

# Supplementary material for “Comprehensive comparison of ensembles of classifiers for binary and multiclass problems”

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## Abstract

Ensembles of classifiers are one of the most powerful and widely used classification methods in Machine Learning. Ensembles of classifiers have proven beneficial in almost all fields of applications that encounter classification problems. Over the past few decades, numerous ensemble methods have emerged, yet a thorough comparison remains absent. In this paper, we carry out the most ample comparison of ensemble methods ever attempted. This paper tests more than 200 ensemble and classification algorithms on a benchmark of 500 datasets, resulting in more than a million experiments reported. Five different classification performance metrics are considered in the comparison. We first examine the general comparative performance of the methods, then analyze their behavior in relation to the number of features, the class imbalance of the datasets, the number of classes, and the size of the datasets. We also studied the robustness of the best methods in the presence of noise and their behavior from the point of view of a  $\kappa$ -error diagram. As a general rule, gradient boosting, such as XGBoost, BoostForest, and HybridGB, and methods based on strong randomization, such as RotationForest, ExtraTrees, and RandomForest, obtained the best results. However, whether used alone or in conjunction with a stacking classifier, support vector machines demonstrated competitive performance. The study of algorithm behavior based on dataset characteristics revealed that the group of best methods frequently depends on those characteristics.

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165	Detailed results for SIBag(ovo)	1508
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178	Detailed results for DBUBoost(ova)	1625
179	Detailed results for JOUSBoostOS(ovo)	1634
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181	Detailed results for iBRF(ovo)	1652
182	Detailed results for iBRF(ova)	1661
183	Detailed results for DPF-EL(ovo)	1670
184	Detailed results for DPF-EL(ova)	1679
185	Detailed results for WHMB(ovo)	1688
186	Detailed results for WHMB(ova)	1697
187	Detailed results for LPBoost(ovo)	1706
188	Detailed results for LPBoost(ova)	1715
189	Detailed results for MLPBoost(ovo)	1724
190	Detailed results for MLPBoost(ova)	1733
191	Detailed results for CERLPBoost(ovo)	1742

192	Detailed results for CERLPBoost(ova)	1751
193	Detailed results for ERLPBoost(ovo)	1760
194	Detailed results for ERLPBoost(ova)	1769
195	Detailed results for SoftBoost(ovo)	1778
196	Detailed results for SoftBoost(ova)	1787
197	Detailed results for TotalBoost(ovo)	1796
198	Detailed results for TotalBoost(ova)	1805
199	Detailed results for MadaBoost(ovo)	1814
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201	Detailed results for GBM(ovo)	1832
202	Detailed results for GBM(ova)	1841
203	Detailed results for GraphSepBoost(ovo)	1850
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205	Detailed results for AdaBoostV(ovo)	1868
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207	Detailed results for RotationForest (30)	1887
208	Detailed results for BoostForest (30)	1896
209	Detailed results for ExtraTree (30)	1905
210	Detailed results for HistGradientBoostingTrees (30)	1914
211	Detailed results for HybridGB (30)	1923
212	Detailed results for DiscreteAdaBoost(ova) (30)	1932
213	Detailed results for MultiBoost (30)	1941
214	Detailed results for NewtonBoost (30)	1950
215	Detailed results for RotationForest (100)	1960
216	Detailed results for BoostForest (100)	1969
217	Detailed results for ExtraTree (100)	1978
218	Detailed results for HistGradientBoostingTrees (100)	1987
219	Detailed results for HybridGB (100)	1996
220	Detailed results for DiscreteAdaBoost(ova) (100)	2005
221	Detailed results for MultiBoost (100)	2014
222	Detailed results for NewtonBoost (100)	2023
223	Detailed results for RotationForest (500)	2033
224	Detailed results for BoostForest (500)	2042
225	Detailed results for ExtraTree (500)	2051
226	Detailed results for HistGradientBoostingTrees (500)	2060
227	Detailed results for HybridGB (500)	2069
228	Detailed results for DiscreteAdaBoost(ova) (500)	2078
229	Detailed results for MultiBoost (500)	2087
230	Detailed results for NewtonBoost (500)	2096
231	Detailed results for RotationForest	2106
232	Detailed results for SVM	2110
233	Detailed results for Stacking	2114
234	Detailed results for BoostForest	2118
235	Detailed results for ExtraTree	2122
236	Detailed results for HistGradientBoostingTrees	2126
237	Detailed results for HybridGB	2130
238	Detailed results for DiscreteAdaBoost(ova)	2134
239	Detailed results for MultiBoost	2138

240	Detailed results for NewtonBoost . . . . .	2142
241	Detailed results for RotationForest . . . . .	2147
242	Detailed results for SVM . . . . .	2151
243	Detailed results for Stacking . . . . .	2155
244	Detailed results for BoostForest . . . . .	2159
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246	Detailed results for HistGradientBoostingTrees . . . . .	2167
247	Detailed results for HybridGB . . . . .	2171
248	Detailed results for DiscreteAdaBoost(ova) . . . . .	2175
249	Detailed results for MultiBoost . . . . .	2179
250	Detailed results for NewtonBoost . . . . .	2183
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252	Detailed results for SVM . . . . .	2192
253	Detailed results for Stacking . . . . .	2196
254	Detailed results for BoostForest . . . . .	2200
255	Detailed results for ExtraTree . . . . .	2204
256	Detailed results for HistGradientBoostingTrees . . . . .	2208
257	Detailed results for HybridGB . . . . .	2212
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# 1 Methods

Tables 1, 2 and 3 show the method used in the comparison.

Table 1: Summary of the ensemble methods used in the comparison

Method	Binary/Multiclass	Reference	Language	Source
ABC <sup>1</sup>	Binary	[Pham and Cham, 2007]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
ABCMart	Multiclass	[Li, 2009]	C	<a href="https://github.com/pltrees/abcboost">https://github.com/pltrees/abcboost</a>
A-Bagging	Multiclass	[Agarwal and Chowdary, 2020]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
A-Boosting	Multiclass	[Kim, 2003]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
ABCRobustLogit	Multiclass	[Li, 2009]	C	<a href="https://github.com/pltrees/abcboost">https://github.com/pltrees/abcboost</a>
AdaBoost	Multiclass	[Bauer and Kohavi, 1999]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost-P	Multiclass	[Baig et al., 2023]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoostEPIC	Multiclass	[Soto et al., 2014]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.ECC	Multiclass	[Guruswami and Sahai, 1999]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoostEPIC	Multiclass	[Lu et al., 2010]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.ERP	Multiclass	[Li, 2006]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.M1	Multiclass	[Freund and Schapire, 1996]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.M1W	Multiclass	[Eibl and Pfeiffer, 2002]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.M2	Multiclass	[Freund and Schapire, 1996]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.MH	Multiclass	[Schapire and Singer, 1999]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.NC	Multiclass	[Wang et al., 2010]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.OC	Multiclass	[Schapire, 1997]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoost.SECC	Multiclass	[Sun et al., 2007b]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaBoostV	Binary	[Rätsch and Warmuth, 2005]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
AdaC1, AdaC2, AdaC3	Binary	[Sun et al., 2007a]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
AdaCost	Binary/Multiclass	[Fan and Stolfo, 1999]	Python	<a href="https://imbalanced-ensemble.readthedocs.io/en/latest/">https://imbalanced-ensemble.readthedocs.io/en/latest/</a>
AdaUBoost	Multiclass	[Shawe-Taylor and Karakoulas, 1999]	Python	<a href="https://imbalanced-ensemble.readthedocs.io/en/latest/">https://imbalanced-ensemble.readthedocs.io/en/latest/</a>
Arc-X4	Multiclass	[Breiman, 1998]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
Asymmetric AdaBoost	Multiclass	[Viola and Jones, 2002]	Python	<a href="https://imbalanced-ensemble.readthedocs.io/en/latest/">https://imbalanced-ensemble.readthedocs.io/en/latest/</a>
Aveboost	Multiclass	[Torres-Sospedra et al., 2008]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
Bagging	Multiclass	[Bauer and Kohavi, 1999]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
BalanceCascade	Multiclass	[Liu et al., 2009]	Python	<a href="https://imbalanced-ensemble.readthedocs.io/en/latest/">https://imbalanced-ensemble.readthedocs.io/en/latest/</a>
BalancedRandomForest	Multiclass	[Newaz et al., 2024]	Python	<a href="https://imbalanced-ensemble.readthedocs.io/en/latest/">https://imbalanced-ensemble.readthedocs.io/en/latest/</a>
BBOB <sup>2</sup>	Multiclass	[Martínez-Muñoz and Suárez, 2007]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
BCEI <sup>3</sup>	Binary	[Ahachad et al., 2017]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
BoostForest	Multiclass	[Zhao et al., 2023]	Python	<a href="https://github.com/zhaochangming/BoostForest">https://github.com/zhaochangming/BoostForest</a>
BoostMA	Multiclass	[Eibl and Pfeiffer, 2005]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
BrownBoost	Binary	[Freund, 2001]	Python	<a href="https://github.com/yannrs/BrownBoost">https://github.com/yannrs/BrownBoost</a>
Cascade voting	Multiclass	[Cui et al., 2023]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
CatBoost	Multiclass	[Dorogush et al., 2017]	Python	<a href="https://github.com/catboost">https://github.com/catboost</a>
CBS0, CSB1, CSB2	Binary	[Nikolaou et al., 2016]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
CERLPBoost	Binary	[Shalev-Shwartz and Singer, 2010]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
ClusterBased	Multiclass	[Rahman and Verma, 2013]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>

Table 2: Summary of the ensemble methods used in the comparison (continuation)

Method	Binary/Multiclass	Reference	Language	Source
CSBBoost	Binary	[Salehi and Khedmati, 2024]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
CUSBoost	Binary	[Rayhan et al., 2017]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
DECORATE	Multiclass	[Melville and Mooney, 2005]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
DELAK	Multiclass	[Guo et al., 2021]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
Discrete AdaBoost	Binary	[Friedman et al., 2000]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
DBUBoost	Binary	[Hou et al., 2019] DBUBoost	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
DGBF <sup>4</sup>	Multiclass	[Delgado-Panadero et al., 2024]	Python	<a href="https://zenodo.org/records/7236216">https://zenodo.org/records/7236216</a>
DPF-EL	Binary	[Xu and Liu, 2022]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
EASE	Binary	[Ren et al., 2022]	Python	<a href="https://github.com/JinJunRen/EASE">https://github.com/JinJunRen/EASE</a>
EasyEnsemble	Binary/Multiclass	[Liu et al., 2009]	Python	<a href="https://imbalanced-learn.org/stable/index.html">https://imbalanced-learn.org/stable/index.html</a>
ECOC (dense, sparse)	Multiclass	[Dietterich and Bakiri, 1995]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
EcuBoost	Binary	[Wang et al., 2020]	Python	<a href="https://github.com/JinJunRen/EASE">https://github.com/JinJunRen/EASE</a>
EmphasisBoost	Binary	[Gómez-Verdejo et al., 2006]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
EPIBoost	Binary	[Utkin, 201]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
ERLPBoost	Binary	[Warmuth et al., 2008]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
Extremely randomized trees	Multiclass	[Geurts et al., 2006]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
FeatureBoost	Multiclass	[O’Sullivan et al., 2000]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
FilterBoost	Multiclass	[Bradley and Schapire, 2007]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
FlexBoost	Multiclass	[Jeon et al., 2019]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
FloatBoost	Multiclass	[Li and Zhang, 2004]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
GBDT-PL	Multiclass	[Shi et al., 2019]	Python	<a href="https://lightgbm.readthedocs.io/en/latest/index.html">https://lightgbm.readthedocs.io/en/latest/index.html</a>
GBM	Binary	[Friedman, 2001]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
GentleBoost	Multiclass	[Friedman et al., 2000]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
GPBoost	Binary	[Sigrist, 2022]	Python	<a href="https://gpboost.readthedocs.io/en/latest/index.html">https://gpboost.readthedocs.io/en/latest/index.html</a>
GradientBoostingClassifier	Multiclass	[Friedman, 2001]	Python	<a href="https://scikit-learn.org/stable/">https://scikit-learn.org/stable/</a>
GraphSepBoost	Binary	[Alon et al., 2023]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
GrPloss	Multiclass	[Eibl and Pfeiffer, 2005]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
HBoost	Multiclass	[Kadkhodaei et al., 2020]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
HistGradientBoostingClassifier	Multiclass	[Friedman, 2001]	Python	<a href="https://scikit-learn.org/stable/">https://scikit-learn.org/stable/</a>
HybridGB	Multiclass	[Sibindi et al., 2023]	Python	<a href="https://xgboost.readthedocs.io/en/stable/">https://xgboost.readthedocs.io/en/stable/</a> , <a href="https://scikit-learn.org/stable/">https://scikit-learn.org/stable/</a>
HUE	Binary	[Ng et al., 2022]	Python	<a href="https://github.com/Alirezakm/HUE">https://github.com/Alirezakm/HUE</a>
iBRF	Binary	[Xie et al., 2009]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
JousBoostOS, JousBoostUS	Binary	[Mease et al., 2007]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
KTBoost	Multiclass	[Sigrist, 2021b]	Python	<a href="https://pypi.org/project/KTBoost/">https://pypi.org/project/KTBoost/</a>
LaGaBoost	Binary	[Sigrist, 2023]	Python	<a href="https://gpboost.readthedocs.io/en/latest/index.html">https://gpboost.readthedocs.io/en/latest/index.html</a>
LearningFromBites	Multiclass	[Chawla et al., 2004]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
LightGBM	Multiclass	[Ke et al., 2017]	Python	<a href="https://lightgbm.readthedocs.io/en/latest/index.html">https://lightgbm.readthedocs.io/en/latest/index.html</a>
LIUBoost	Binary	[Ahmed et al., 2019]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
LocalBoost	Multiclass	[Zhang and Zhang, 2008]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
LogitBoost	Multiclass	[Friedman et al., 2000]	Python	<a href="https://pypi.org/project/logitboost/">https://pypi.org/project/logitboost/</a>
LPBoost	Binary	[Demiriz et al., 2002]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
M-AdaBoost	Binary	[Zhou et al., 2020]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>

Table 3: Summary of the ensemble methods used in the comparison (continuation)

Method	Binary/Multiclass	Reference	Language	Source
MadaBoost	Binary/Multiclass	[Domingo and Watanabe, 2000]	C	<a href="https://github.com/pltrees/abcboost">https://github.com/pltrees/abcboost</a>
MarginBoost	Binary	[Smola et al., 2000]	C	<a href="https://github.com/pltrees/abcboost">https://github.com/pltrees/abcboost</a>
Mart	Multiclass	[Li, 2009]	C	<a href="https://github.com/pltrees/abcboost">https://github.com/pltrees/abcboost</a>
MEBoost	Binary	[adn S. Ahmed et al., 2017]	C	<a href="https://github.com/farshidrayhancv/MEBoost">https://github.com/farshidrayhancv/MEBoost</a>
MIBag	Binary	[Razavi-Far et al., 2021]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
MIBoost	Binary	[Razavi-Far et al., 2021]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
MILBoost	Binary	[Zhang et al., 2005]	Python	<a href="https://github.com/hbldh/skboost">https://github.com/hbldh/skboost</a>
MLPBoost	Binary	[Mitsuboshi et al., 2023]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
Modest AdaBoost	Binary	[Vezhnevets and Vezhnevets, 2005]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
MPBoost	Binary	[Esuli et al., 2006]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
MPSUBoost	Binary	[Kim and Lim, 2022]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
MSmoothBoost	Multiclass	[Jin and Zhang, 2007]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
MultiBoost	Multiclass	[Webb, 2000]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
NewtonBoost	Multiclass	[Sigrist, 2021a]	Python	<a href="https://pypi.org/project/KBBoost/">https://pypi.org/project/KBBoost/</a>
NGBoost	Multiclass	[Duan et al., 2020]	Python	<a href="https://github.com/stanfordmlgroup/ngboost/tree/master">https://github.com/stanfordmlgroup/ngboost/tree/master</a>
NNBoost	Multiclass	[Chakraborty et al., 2020]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
One-vs.-all	Multiclass	[Dietterich and Bakiri, 1995]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
One-vs.-one	Multiclass	[Dietterich and Bakiri, 1995]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
RandomForest	Multi-class	[Breiman, 2001]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
RBBoost	Binary	[Díez-Pastor et al., 2015]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
Real AdaBoost	Binary	[Friedman et al., 2000]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
ReweightBoost	Multiclass	[Rodríguez and Maudes, 2008]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
RolexBoost	Multiclass	[Yang et al., 2020]	Python	<a href="https://pypi.org/project/rolexboost/">https://pypi.org/project/rolexboost/</a>
RotationForest	Multiclass	[Rodríguez et al., 2006]	Python	<a href="https://pypi.org/project/rolexboost/">https://pypi.org/project/rolexboost/</a>
RobustLogit	Multiclass	[Li, 2009]	C	<a href="https://github.com/pltrees/abcboost">https://github.com/pltrees/abcboost</a>
RUSBoost	Multiclass	[Seiffert et al., 2010]	Python	<a href="https://imbalanced-learn.org/stable/index.html">https://imbalanced-learn.org/stable/index.html</a>
RSM	Multiclass	[Ho, 1998]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
sBoost-1, sBoost-2	Binary	[Li et al., 2015]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
SIBag	Binary	[Razavi-Far et al., 2021]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
SIBoost	Binary	[Razavi-Far et al., 2021]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
SmoothBoost	Binary	[Servedio, 2001]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
SMOTEBoost	Multiclass	[Chawla et al., 2003]	Python	<a href="https://imbalanced-ensemble.readthedocs.io/en/latest/snapboost/">https://imbalanced-ensemble.readthedocs.io/en/latest/snapboost/</a>
SnapBoost	Binary	[Parnell et al., 2020]	Python	<a href="https://pypi.org/project/snapboost/">https://pypi.org/project/snapboost/</a>
SoftBoost	Binary	[Rätsch et al., 2007]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
SPE	Binary	[Chen et al., 2023]	Python	<a href="https://github.com/ZhiningLiu1998/imbalanced-ensemble">https://github.com/ZhiningLiu1998/imbalanced-ensemble</a>
SSAdaBoost	Binary	[Liu et al., 2020]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
Stacking	Multiclass	[Džeroski and Zenko, 2004]	Python	<a href="https://scikit-learn.org/stable/">https://scikit-learn.org/stable/</a>
TLUSBoost	Binary	[Kumar et al., 2019]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
TotalBoost	Binary	[Warmith et al., 2006]	Rust	<a href="https://github.com/rmitsuboshi/miniboosts">https://github.com/rmitsuboshi/miniboosts</a>
TSSE-BIM	Binary	[Bai et al., 2024]	Python	<a href="https://github.com/15399240803/TSSE-BIM">https://github.com/15399240803/TSSE-BIM</a>
VadaBoost	Multiclass	[Shivaswamy and Jebara, 2011]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
Vote-boosting	Binary	[Sabzevari et al., 2018]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
Wagging	Multiclass	[Webb, 2000]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
WHMBoost	Binary	[Zhao et al., 2020]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
WeightBoost	Binary	[Jin et al., 2003]	C	<a href="http://cib.uco.es/ensembles/">http://cib.uco.es/ensembles/</a>
WildWood	Multiclass	[Gaiffa et al., 2023]	Python	<a href="https://pypi.org/project/wildwood/">https://pypi.org/project/wildwood/</a>
XGBoost	Multiclass	[Chen and Guestrin, 2016]	Python	<a href="https://xgboost.readthedocs.io/en/stable/">https://xgboost.readthedocs.io/en/stable/</a>

## 2 Datasets

Summary of datasets. Imbalance degree (ID) is a class-imbalance metric[Ortigosa-Hernández et al., 2017].

Table 4: Summary of datasets

Datasets	Instances	Inputs	Classes	IR	ID
abalone	4,177	10	29	690.0	20.35
abalone19	4,177	10	2	125.6	0.98
abalone9-18	731	10	2	16.0	0.88
accelerometer	31,991	6	2	54.9	0.96
ads	3,279	1,558	2	6.1	0.72
adult	48,842	105	2	3.2	0.52
AID_1431	1,260	112	2	5.3	0.68
AID_1878	1,048	112	2	5.3	0.68
AID_602330	1,927	112	2	10.5	0.83
AID_652128	998	112	3	14.0	0.87
AID_773	270	112	2	14.0	0.87
AID1284Morered	362	914	2	4.4	0.63
AID1284red	362	103	2	69.2	0.97
AID1608Morered	1,033	914	2	4,270.2	1.00
AID1608red	1,033	154	2	948.0	1.00
AID362red	4,279	144	2	4.1	0.61
AID373AID439red	59,795	154	2	4.1	0.61
AID373red	59,788	155	2	355.6	0.99
AID439Morered	69	914	2	1.5	0.19
AID439red	69	81	2	21.4	0.91
AID456red	9,982	153	2	279.5	0.99
AID600_MACCS	358	167	2	878.2	1.00
AID604	95,662	154	2	2.1	0.35
AID604AID644_AllRed	59,782	154	2	2.1	0.35
AID644Morered	206	914	2	23.7	1.82
AID644red	206	100	2	1,502.1	1.00
AID687AID721red	33,067	153	2	347.1	0.99
AID687red	33,067	153	2	108.2	0.98
AID688red	27,189	153	2	3.4	0.54
AID721morered	94	914	2	3.4	0.54
AID721red	94	87	2	1,029.8	1.00
AID746AID1284red	59,784	154	2	161.9	0.99
AID746red	59,788	154	2	7.0	0.75
AID852_MACCS	641	167	2	3.4	0.54
all-aml	72	7,129	2	1.8	0.30
anneal	898	59	5	76.1	3.70
antivirus	372	531	2	4.1	0.61
anuran-f-b	7,195	22	2	64.1	1.77
anuran-family	7,195	22	4	103.3	0.98
anuran-genus	7,195	22	8	60.2	5.64
anuran-species	7,195	22	10	50.4	7.50

*Continued on next page*

Datasets	Instances	Inputs	Classes	IR	ID
aps-failure	76,000	170	2	54.2	0.96
arcene	200	10,000	2	1.3	0.12
arrhythmia	452	279	13	82.0	9.60
auction	2,043	8	2	6.8	0.74
audiology	226	93	24	29.0	18.35
audit-risk	775	26	2	1.5	0.21
autism-adolescent	104	65	2	1.5	0.21
autism-adult	704	102	2	2.7	0.46
autism-child	292	86	2	1.1	0.03
autos	205	72	6	17.0	3.33
avila	20,867	10	12	779.4	8.48
balance	625	4	3	5.8	0.66
bank	41,188	62	2	7.9	0.77
banknote	1,371	4	2	1.3	0.11
bankruptcy	250	18	2	1.3	0.14
barleyblumeria	4,340	64	2	1.8	0.28
basehock	1,993	4,862	2	1.0	0.00
bio	145,751	74	2	111.4	0.98
biodeg	1,055	41	2	2.0	0.32
biomed	209	8	2	1.8	0.28
bitcoin	291,670	8	29	287,529.0	27.99
block	574,913	11	2	273.6	0.99
block	574,913	11	2	273.6	0.99
breast-cancer	286	15	2	2.3	0.40
breast-cancer-co	116	9	2	1.2	0.10
breast-cancer-ma	97	24,481	2	1.1	0.05
breast-tissue	106	9	6	1.5	2.11
bridges	107	36	7	15.0	4.37
bub10at310k-hg16-17	104,812	200	2	10.0	0.82
bze_3d_rdkit_descriptors	405	117	2	3.6	0.56
cad	303	13	2	2.5	0.42
caesarian	80	5	2	1.3	0.15
cancer	699	9	2	1.9	0.31
car	1,728	16	4	18.3	2.62
card	690	51	2	1.2	0.11
cardiotocography	2,126	21	10	10.7	5.38
cardiotocography-nsp	2,126	21	3	9.4	1.67
cargo2k	3,942	97	3	1.1	0.04
cars	406	7	3	3.4	1.44
cas_N6512_cdk_ECFP2	6,504	1,024	2	1.2	0.08
cdc_diabetes	253,680	21	3	46.1	1.77
census	29,926	409	2	14.6	0.87
central-nervous-system	60	7,129	2	1.8	0.29
cervical-B	858	35	2	14.4	0.87
cervical-C	858	35	2	18.1	0.90
cervical-H	858	35	2	22.9	0.92

*Continued on next page*

Datasets	Instances	Inputs	Classes	IR	ID
cervical-S	858	35	2	10.5	0.83
chemo_fontaine	435	881	2	1.8	0.28
Choi_MACCS	74	167	2	2.6	0.45
chrom19	1,700,517	5	2	1,059.8	1.00
ci100410h_MACCS	312	167	2	3.4	0.55
ci200186.atompair_fp	550	780	2	1.7	0.27
ci200186m_DESC_PADEL	541	112	2	1.7	0.27
ci200186m_ExtendedFingerprinter	550	881	2	1.7	0.27
ci900367j_MACCS	939	167	2	1.7	0.25
cirrhosis	418	26	3	9.0	0.75
cjs	2,796	100	6	2.5	2.21
ckd	200	132	2	1.8	0.28
clave	10,800	16	4	10.5	1.51
climate	540	20	2	10.5	0.83
cll_sub_111	111	11,340	3	4.3	0.59
cm1	498	21	2	9.0	0.80
cmc	1,473	9	3	1.9	0.30
cnae-9	1,080	856	9	1.0	0.00
codon_usage	13,028	67	11	153.7	5.49
coil20	1,440	1,024	20	1.0	0.00
collins	500	160	15	11.6	9.22
colon-tumor	62	2,000	2	1.8	0.28
colposcopies-1	287	62	2	1.8	0.28
colposcopies-2	287	62	2	1.8	0.27
colposcopies-3	287	62	2	1.4	0.16
colposcopies-4	287	62	2	2.8	0.47
colposcopies-5	287	62	2	4.9	0.66
colposcopies-6	287	62	2	1.1	0.05
colposcopies-c	287	62	2	3.0	0.50
column-2c	310	6	2	2.1	0.35
column-3c	310	6	3	2.5	1.25
connect-4	67,557	126	3	93.5	1.97
cottonmeloidogyne	4,156	64	2	1.0	0.01
coupon	12,684	118	2	1.3	0.14
covtype	581,012	54	7	103.1	4.62
covtypeCD	20,114	54	2	6.3	0.73
covtypeT	38,501	54	2	13.0	0.86
cox2_cdk_ECFP2	467	1,024	2	4.3	0.62
crowdsourced	10,845	28	6	74.4	4.64
cryotherapy	90	6	2	1.1	0.07
cultivars	320	10	40	1.0	0.00
cyclopentane	271	128	2	1.3	0.11
cylinder-bands	540	564	2	1.4	0.15
darwin	174	450	2	1.0	0.02
datatrieve	130	8	2	10.0	0.82
dbworld	64	4,702	2	1.2	0.09

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Datasets	Instances	Inputs	Classes	IR	ID
default	30,000	23	2	3.5	0.56
deposit	45,211	48	2	7.5	0.77
dermatology	366	34	6	5.4	2.32
desharnais	81	11	3	4.3	1.37
dexter	600	20,000	2	1.0	0.00
dhfr_cdk_ECFP2	756	1,024	2	1.5	0.20
diabetes	520	16	2	1.6	0.23
diabetic	10,177	2,461	3	4.8	0.64
diagnosis	120	7	2	1.4	0.16
dishonest	322	16	2	2.3	0.40
dlbcl-harvard-outcome	58	7,129	2	1.2	0.10
dlbcl-harvard-tumor	77	7,129	2	3.0	0.49
dlbcl-nih	240	7,399	2	1.3	0.15
dlbcl-stanford	47	4,026	2	1.0	0.02
dota2	102,944	116	2	1.1	0.05
dropout	4,424	36	3	2.8	1.28
drug-01	1,885	12	7	21.7	3.56
drug-02	1,885	12	7	15.8	5.45
drug-03	1,885	12	7	326.5	5.65
drug-04	1,885	12	7	11.8	5.46
drug-05	1,885	12	7	126.0	4.83
drug-06	1,885	12	7	3.3	4.20
drug-07	1,885	12	7	202.0	3.69
drug-08	1,885	12	7	52.0	4.58
drug-09	1,885	12	7	542.7	5.84
drug-10	1,885	12	7	46.5	4.57
drug-11	1,885	12	7	114.7	5.82
drug-12	1,885	12	7	298.2	5.76
drug-13	1,885	12	7	36.5	4.62
drug-14	1,885	12	7	76.4	5.51
drug-15	1,885	12	7	35.8	5.72
drug-16	1,885	12	7	196.6	4.55
drug-17	1,885	12	7	5.6	4.30
drug-18	1,885	12	5	939.0	3.99
drug-19	1,885	12	7	182.0	5.74
drybean	13,611	16	7	6.8	3.27
ecoli	336	7	8	48.0	4.55
ecoliCP-IM	220	7	2	1.8	0.30
ecoliM	336	7	2	3.3	0.54
ecoliMU	336	7	2	8.4	0.79
ecoliOM	336	7	2	15.1	0.88
eeg	59,069	72	16	15.5	7.34
eeg-eye	14,980	14	2	1.2	0.10
EPA_FHM	604	112	2	16.3	0.88
er_lit_cdk_ECFP2	393	1,024	2	1.5	0.20
er_tox_cdk_ECFP2	607	1,024	2	1.9	0.31

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Datasets	Instances	Inputs	Classes	IR	ID
er_tox_rdkit_ATOMPAIR	616	1,024	2	20.3	0.91
er_tox_rdkit_AVALON	616	1,024	2	6.4	0.73
er_tox_rdkit_descriptors	607	117	2	1.9	0.31
er_tox_rdkit_FEATMORGAN	616	1,024	2	1.2	0.11
er_tox_rdkit_LAYERED	616	1,024	2	5.2	0.68
er_tox_rdkit_MACCS	616	167	2	22.8	0.92
er_tox_rdkit_MORGAN	616	1,024	2	21.9	0.91
er_tox_rdkit_PATTERN	616	1,024	2	2.3	0.39
er_tox_rdkit_RDKITFP	616	1,024	2	2.3	0.40
er_tox_rdkit_TORSION	616	1,024	2	22.8	0.92
eucalyptus	736	91	5	2.0	2.19
euthyroid	3,163	44	2	9.8	0.81
exon.vs.intron-freq	506,373	64	2	1.1	0.05
fbis-wc	2,463	2,000	17	13.0	12.28
fda.atompair_fp	223	780	2	2.7	0.46
fertility	100	9	2	6.8	0.75
flags	194	242	8	12.2	3.47
fontaine_MACCS	435	167	2	1.8	0.28
fonts	83,267	410	153	112.9	123.23
forest	523	27	4	2.3	1.30
gas	13,910	128	6	1.8	2.16
gastrointestinal	152	699	3	2.6	1.29
gender	4,746	16	3	7.9	0.77
gene	3,175	120	3	2.2	1.28
german	1,000	61	2	2.3	0.40
gina	3,468	970	2	1.0	0.02
glass	214	9	6	7.7	3.41
glass-g2	163	9	2	2.0	0.34
glassBWFP	214	9	2	1.8	0.29
glassBWNFP	214	9	2	14.4	0.87
glassContainers	214	9	2	1.1	0.07
glassNW	214	9	2	3.2	0.52
glassTableware	214	9	2	20.6	0.91
glassVWFP	214	9	2	11.0	0.83
gli_85	85	22,283	2	2.2	0.38
glioma	50	4,434	4	2.0	0.34
glioma-grade	839	23	2	1.4	0.16
green	98	62	2	2.1	0.36
GREY_MAO_DESC_PADEL	68	112	2	1.3	0.11
GREY_MAO_ExtendedFingerprinter	68	881	2	1.3	0.11
grub-damage	155	32	4	2.5	0.42
haberman	306	3	2	2.8	0.47
hapt	10,929	561	12	58.2	5.49
har70	2,259,597	6	7	236.6	3.65
harth	646,133	6	12	368.4	8.53
hayes-roth	160	4	3	2.1	0.36

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Datasets	Instances	Inputs	Classes	IR	ID
hcc-survival	165	49	2	1.6	0.23
heart	270	13	2	1.2	0.11
heart-c	302	22	2	1.2	0.09
hepatitis	155	19	2	3.8	0.58
hepmass	1,050,000	28	2	1.0	0.01
hERG-121inputs	65	121	2	3.8	0.58
hERG-64inputs	65	64	2	3.8	0.58
hERG-9inputs	130	9	2	3.9	0.59
HIA_desc	196	159	2	2.0	0.33
higgs	1,100,000	28	2	1.1	0.06
higher	145	31	8	4.0	4.22
hinselmann	97	62	2	5.2	0.68
hiv1-proteasa	5,938	160	2	4.9	0.66
hiva	4,229	1,617	2	27.2	0.93
horse	364	58	3	4.2	1.43
ht-sensor	928,991	11	3	9.9	0.82
htru2	17,898	8	2	1.3	1.07
hypothyroid	3,772	29	4	1,160.7	2.90
hypothyroidT	3,772	29	2	11.9	0.85
ilpd	583	10	2	2.5	0.43
immuno-therapy	90	7	2	3.6	0.57
ionosphere	351	34	2	1.8	0.28
iris	150	4	3	1.0	0.00
irish	500	17	2	1.3	0.11
isolet	7,797	617	26	1.0	1.00
jm1	10,885	21	2	4.2	0.61
jvowels	9,961	14	9	2.1	5.11
kc1	2,109	21	2	5.5	0.69
kc1-class-level-defectiveornot	145	94	2	1.4	0.17
kc1-class-level-numericdefect	145	94	24	43.0	20.54
kc1-class-level-top5percentDF	145	94	2	15.3	0.88
kc2	522	21	2	3.9	0.59
kidney-disease	400	44	2	1.7	0.25
krkopt	28,056	6	18	162.6	9.38
krvskp	3,196	38	2	1.1	0.04
la1s-wc	3,152	13,195	6	3.4	2.33
la2s-wc	3,023	12,432	6	3.6	3.27
labor	57	29	2	1.8	0.29
leaf	340	14	36	17.0	11.27
led24	200	24	10	2.2	4.11
lenses	24	6	3	3.2	1.39
letter	20,000	16	26	1.1	13.01
leukemia	72	12,582	3	1.4	0.16
leukemia2	72	7,070	2	1.8	0.30
libra	360	90	15	1.0	0.00
linkage	574,913	11	2	273.6	0.99

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Datasets	Instances	Inputs	Classes	IR	ID
liver	345	6	2	1.4	0.16
localization	164,860	31	11	39.4	6.48
lrs	531	101	10	137.0	6.63
lsvt	126	310	2	2.0	0.33
lung	203	3,312	5	20.0	3.59
lung_discrete	73	325	7	1.4	1.10
lung-cancer	32	146	3	20.0	3.59
lung-cancer-harvard1	203	12,600	5	4.7	0.65
lung-cancer-harvard2	181	12,533	2	7.9	0.78
lung-cancer-michigan	96	7,129	2	1.6	0.22
lung-cancer-ontario	39	2,880	2	3.7	3.30
lupus	87	3	2	1.5	0.19
lymphography	148	38	4	27.3	1.75
lymphoma2	96	4,026	9	15.7	6.44
madelon	2,600	500	2	1.0	0.00
magic04	19,020	10	2	1.8	0.30
mammography	961	18	2	1.2	0.07
MAO_MACCS	68	167	2	1.3	0.11
maternal	1,014	6	3	1.5	1.11
messidor	1,151	19	2	1.1	0.06
meter-A	86	36	2	1.4	0.18
meter-B	91	51	3	2.5	1.29
meter-C	180	43	4	2.3	0.40
meter-D	179	43	4	2.3	0.39
mfeat-fac	2,000	216	10	1.0	0.00
mfeat-fou	2,000	76	10	1.0	0.00
mfeat-kar	2,000	64	10	1.0	0.00
mfeat-mor	2,000	6	10	1.0	0.00
mfeat-pix	2,000	240	10	1.0	0.00
mfeat-zer	2,000	47	10	1.0	0.00
mice-prot	1,080	80	8	1.4	0.19
mines	338	3	5	1.1	2.02
mobile	2,856	71	56	1.0	0.00
monks-1	556	6	2	1.0	0.00
monks-2	601	6	2	1.9	0.31
monks-3	554	6	2	1.1	0.04
mushroom	8,124	117	2	1.1	0.04
musk	6,598	166	2	5.5	0.69
MUT_ci034254q_MACCS	601	167	2	1.0	0.00
MUT_ci300400a	7,982	117	2	1.0	0.00
MUT_ci300400a_cdk_ECFP2	8,347	1,024	2	1.0	0.00
mutagen_class_1	683	15	2	1.0	0.00
mutagen_class_2	684	6	2	1.2	0.09
mutagen_class_3	684	15	2	1.3	0.15
mutagens_ExtendedFingerprinter	684	881	2	1.4	0.17
myocardial	1,700	122	8	110.0	6.82

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Datasets	Instances	Inputs	Classes	IR	ID
naticusdroid	29,332	86	2	1.0	0.00
nci9	60	9,712	9	3.3	3.18
ncRNA	196,348	20	19	553.3	16.81
new-thyroid	215	5	3	1.1	0.07
new-thyroidT	215	5	2	4.9	1.54
newspop	39,644	59	2	5.0	0.67
NHANES_age_prediction	2,278	9	2	5.2	0.68
nomao	34,465	172	2	2.5	0.43
NPHA-doctor-visits	714	14	3	2.8	1.30
nursery	12,960	23	5	1,440.3	1.70
obs	1,075	23	4	4.1	1.45
occupancy	20,560	5	2	3.3	0.54
Occupancy_Estimation	10,129	16	4	17.9	2.75
oh0-wc	1,003	3,182	10	3.8	5.24
oh10-wc	1,050	3,238	10	3.1	4.23
oh15-wc	913	3,100	10	2.9	4.23
oh5-wc	918	3,012	10	2.5	5.17
opn310k	104,812	200	2	10.0	0.82
opnat310k-hg16-17	104,812	200	2	10.0	0.82
optdigits	5,620	64	10	1.0	4.01
optdigitsZ	5,620	64	2	9.1	0.80
orl	400	1,024	40	1.0	0.00
orlraws10P	100	10,304	10	1.0	0.00
ovarian-cancer	253	15,154	2	1.8	0.28
ozone1hr	2,536	72	2	33.3	0.94
ozone8hr	2,534	72	2	14.8	0.87
P-Glycoprotein_b_Inhibitor	1,935	1,024	2	195.5	0.99
P-Glycoprotein_b_Substrate	484	1,024	2	169.4	3.87
P-Glycoprotein_c_RDkit_AtomPair_FP	1,247	1,024	2	1.7	0.25
P-Glycoprotein_RDkit_AtomPair_FP	195	1,024	2	1.3	0.14
p53-mutants	3,142	5,408	2	3.0	0.50
page-blocks	5,473	10	5	2.6	0.44
pah.atompair_fp	94	780	2	1.0	0.00
parkinson	1,209	27	2	13.2	0.86
parkinsons	195	22	2	1.4	0.17
particle	130,064	50	2	2.9	0.49
pasture	36	25	3	5.0	3.31
pc1	1,109	21	2	1.1	4.02
pcmac	1,943	3,289	2	2.3	0.39
pd	756	754	2	2.3	0.39
pediatric-leukemia	327	12,558	7	2.0	0.32
pendigits	10,992	16	10	1.0	0.00
period	90	1,177	2	1.1	0.06
period-10f	90	10	2	1.2	0.11
Pgp_desc	201	159	2	1.4	0.15
phishing	2,457	30	2	1.2	0.11

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Datasets	Instances	Inputs	Classes	IR	ID
phoneme	5,404	5	2	2.4	0.41
phy	50,000	78	2	1.0	0.01
pima	768	8	2	1.9	0.30
plrx	182	12	2	2.5	0.42
poker	1,025,103	25	10	57,078.1	7.68
polish-1st	7,027	64	2	24.8	0.92
polish-2nd	10,173	64	2	24.4	0.92
polish-3rd	10,503	64	2	20.2	0.91
polish-4th	9,792	64	2	18.0	0.89
polish-5th	5,910	64	2	13.4	0.86
polya	9,255	169	2	1.8	0.28
popularity	39,644	59	3	11.5	1.50
post-operative	90	20	3	21.7	1.59
postures	78,095	37	5	1.1	1.04
pred-tox_mutagen_ref-desc	684	17	2	1.0	0.00
primary-tumor	339	23	22	28.3	13.36
profb	672	67	2	2.0	0.33
promoters	106	114	2	1.0	0.00
prostate	136	12,600	2	1.3	0.13
prostate_GE	102	5,966	2	1.0	0.02
puc-rio	165,633	21	5	4.3	1.48
pufs-64	240,000	64	2	1.0	0.00
raisin	900	7	2	1.0	0.00
re0-wc	1,504	2,886	13	50.8	9.49
re1-wc	1,657	3,758	25	33.8	18.34
rejafada	1,996	6,825	2	28.0	0.93
relathe	1,427	4,321	2	1.2	0.08
rnaseq	801	20,531	5	3.8	3.23
rocket	6,892	17	2	1.5	0.18
RT_IOT2022	123,117	95	12	3,264.1	10.75
satimage	6,435	36	6	2.4	2.26
satimageF	6,435	36	2	8.1	0.78
satimageT	6,435	36	2	9.3	0.81
scadi	70	205	7	15.0	3.50
schiller	92	62	2	2.6	0.45
schizo	340	15	2	1.1	0.04
secom	1,567	590	2	13.9	0.87
secondary_mushroom	61,069	127	2	1.2	0.11
segment	2,310	19	7	1.0	0.00
segmentO	2,310	19	2	6.0	0.71
seismic	2,583	22	2	14.1	0.87
semeion	1,593	265	2	8.8	0.80
sens-1-gram	3,801	15	2	6.6	0.74
sens-2-gram	3,801	209	2	6.6	0.74
sens-3-gram	3,801	1,877	2	6.6	0.74
sens-4-gram	3,801	11,408	2	6.6	0.74

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Datasets	Instances	Inputs	Classes	IR	ID
sensorless	58,509	48	11	1.0	0.00
sepsis	129,392	3	2	10.0	0.82
shoppers	12,330	28	2	5.5	0.69
shuttle	58,000	9	7	4,144.3	4.91
sick	3,772	33	2	15.3	0.88
sirtuin6	100	6	2	1.0	0.00
skin	244,801	3	2	3.8	0.58
smk_can_187	187	19,993	2	1.1	0.04
solar-flare	1,389	20	6	7.6	2.36
sonar	208	60	2	1.1	0.07
soybean	683	82	19	10.3	12.26
spambase	4,601	57	2	1.5	0.21
spect	267	22	2	3.8	0.58
spectf	349	44	2	2.7	0.45
spectrometer	531	101	48	28.0	31.24
splice-EI	3,175	120	2	3.2	0.52
splice-IE	3,175	120	2	3.1	0.52
sport-articles	1,001	59	2	1.7	0.27
squash-stored	52	26	3	2.7	0.44
squash-unstored	52	25	3	5.0	0.63
steel_industry	35,040	17	3	3.8	0.59
steel-b	1,941	27	2	33.7	0.94
steel-d	1,941	27	2	2.5	1.28
steel-k	1,941	27	2	4.0	0.60
steel-o	1,941	27	2	1.9	0.31
steel-p	1,941	27	2	11.2	0.84
steel-s	1,941	27	2	25.6	0.92
steel-z	1,941	27	2	9.2	0.80
student-weekend	649	57	5	2.0	0.32
student-workday	649	57	5	5.4	2.34
studentap	131	70	3	25.1	3.63
susy	500,000	17	2	1.2	0.08
swarm_aligned	24,016	2,400	2	2.2	0.37
swarm_flocking	24,016	2,400	2	1.0	0.00
swarm_grouped	24,016	2,400	2	1.7	0.25
tae	151	5	3	1.1	1.02
Tdp_desc	361	159	2	3.2	0.53
texture	5,500	40	11	1.0	0.00
theorem	6,118	56	2	1.4	0.17
thoracic	470	27	2	5.6	0.70
Thyroid_Diff	383	55	2	2.5	0.43
tic-tac-toe	958	9	2	1.9	0.31
tis	13,375	927	2	3.0	0.50
titanic	2,201	8	2	2.1	0.35
tourist	73	77	6	7.4	3.47
tox_171	171	5,748	4	1.2	1.05

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Datasets	Instances	Inputs	Classes	IR	ID
toxicity	171	1,203	2	2.0	0.34
toxicity-13f	171	13	2	2.0	0.34
trains	10	61	2	1.0	0.00
transfusion	748	4	2	3.2	0.52
trec11-wc	414	6,429	9	19.0	4.45
trec12-wc	313	5,804	8	9.4	5.25
trec21-wc	336	7,902	6	46.4	4.62
trec23-wc	204	5,832	6	13.1	2.59
trec31-wc	927	10,128	7	117.7	3.51
trec41-wc	878	7,454	10	24.4	5.42
trec45-wc	690	8,261	10	10.7	5.31
tuandromd	4,464	241	2	4.0	0.60
turkish	400	50	4	1.0	0.00
tvnews	129,685	231	2	1.7	0.27
urban	675	147	9	4.1	4.26
vehicle	846	18	4	1.1	0.05
vehicleVAN	846	18	2	3.2	0.53
voice	126	310	2	2.0	0.33
vote	435	16	2	1.6	0.23
vowel	990	10	11	1.0	0.00
vowelZ	990	10	2	9.9	0.82
vrnormat310k-hg16-17	104,812	200	2	10.0	0.82
wap-wc	1,560	8,460	20	57.0	12.33
warpar10p	130	2,400	10	1.0	0.00
warppie10p	210	2,420	10	1.0	0.00
watch-acc	354,097	20	7	1.5	3.08
watch-gyr	320,543	20	7	1.2	3.05
waveform	5,000	40	3	1.0	1.01
web-phishing	1,353	9	3	6.8	0.69
weight-lift	39,242	169	5	1.7	3.11
white-clover	63	39	4	13.0	1.70
wifi-loc	2,000	7	4	1.0	0.00
wilt	4,839	5	2	17.5	0.89
wine	178	13	3	1.5	1.11
winequality-red	1,599	11	6	62.0	3.58
winequality-white	4,898	11	7	366.5	3.67
winnipeg	325,834	174	7	74.4	2.52
yale	165	1,024	15	1.0	0.00
yeast	1,484	8	10	77.3	5.54
yeastCYT-POX	483	8	2	22.1	0.91
yeastEXC	1,484	8	2	40.3	0.95
yeastME1	1,484	8	2	32.0	0.94
yeastME2	1,484	8	2	27.6	0.93
zip	9,298	256	10	2.2	7.10
zoo	101	16	7	8.4	4.37

### 3 Supplementary figures

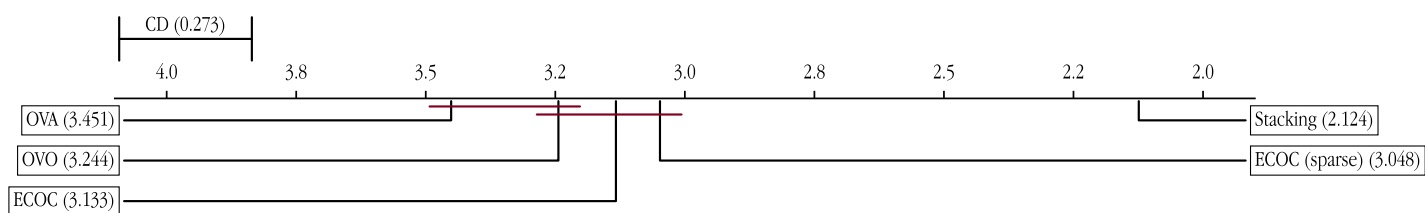
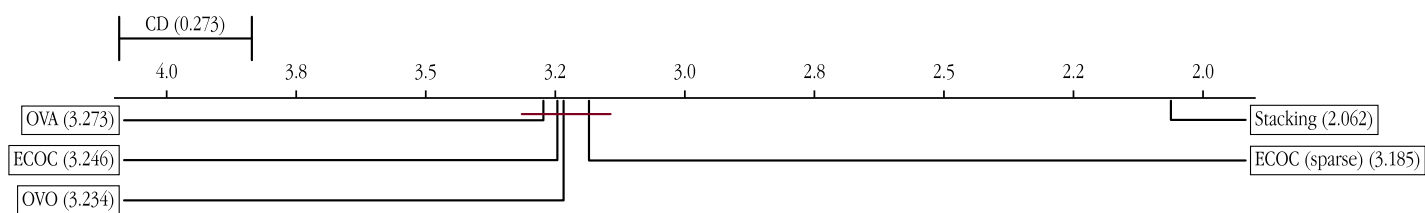
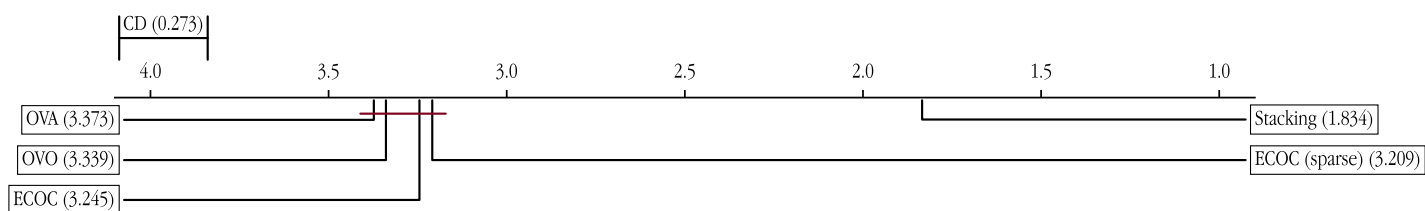
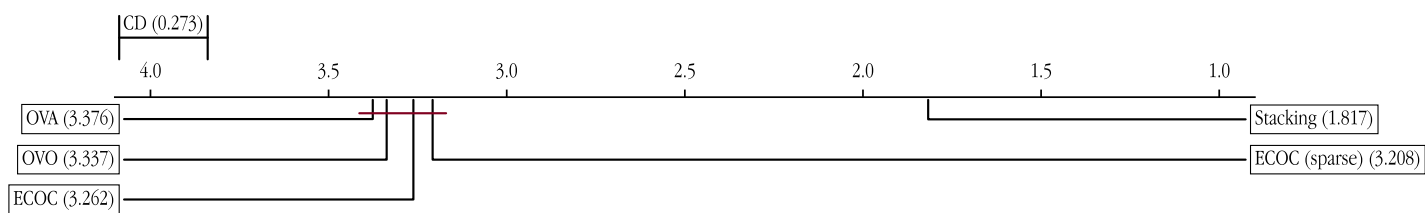


Figure 1: Nemenyi test for group #2 methods and Error-rate, F1-macro, Kappa, and EN metrics.



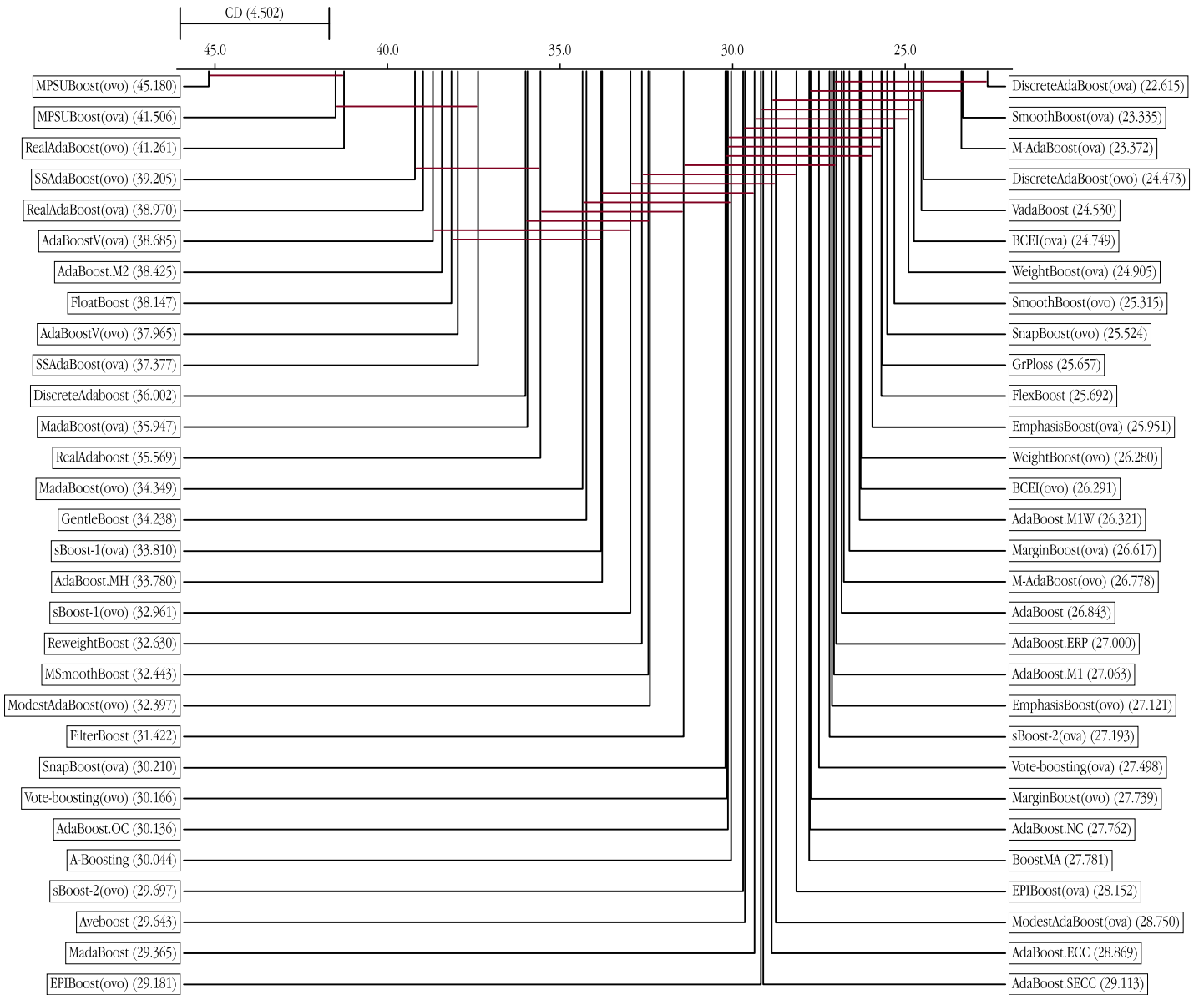


Figure 2: Nemenyi test for group #3 methods for Error-rate metric.

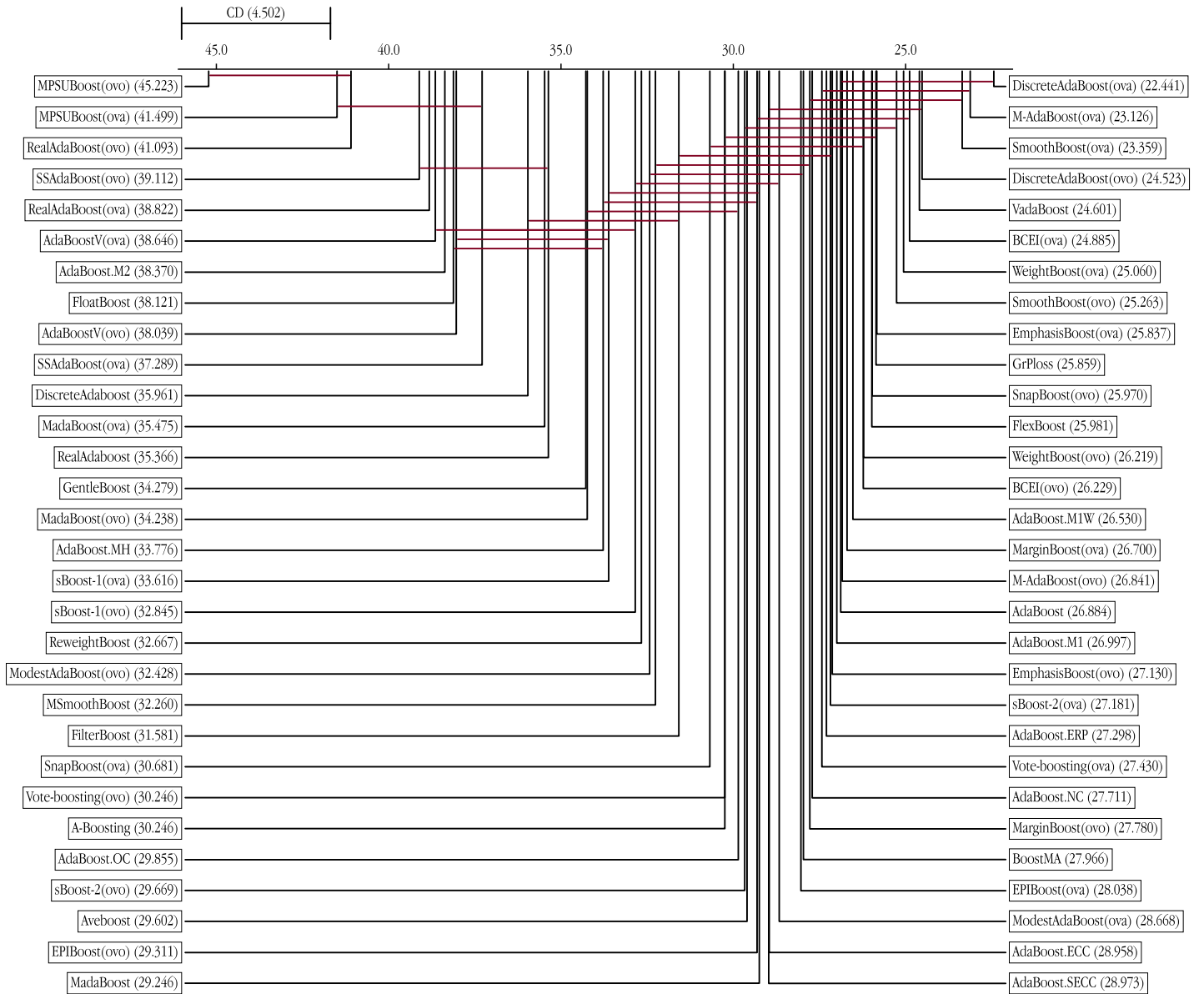


Figure 3: Nemenyi test for group #3 methods for F1-macro metric.

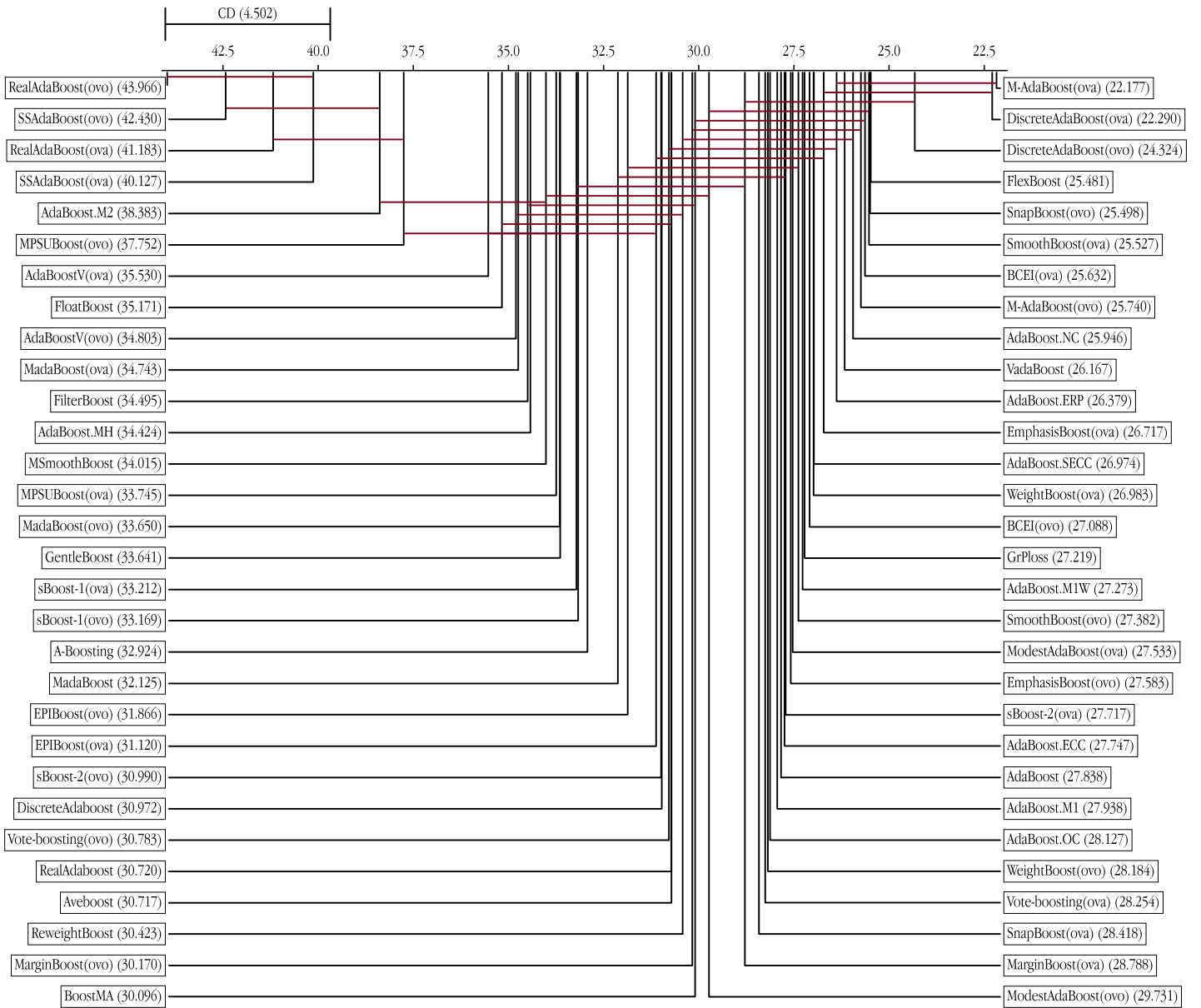


Figure 4: Nemenyi test for group #3 methods for Kappa metric.

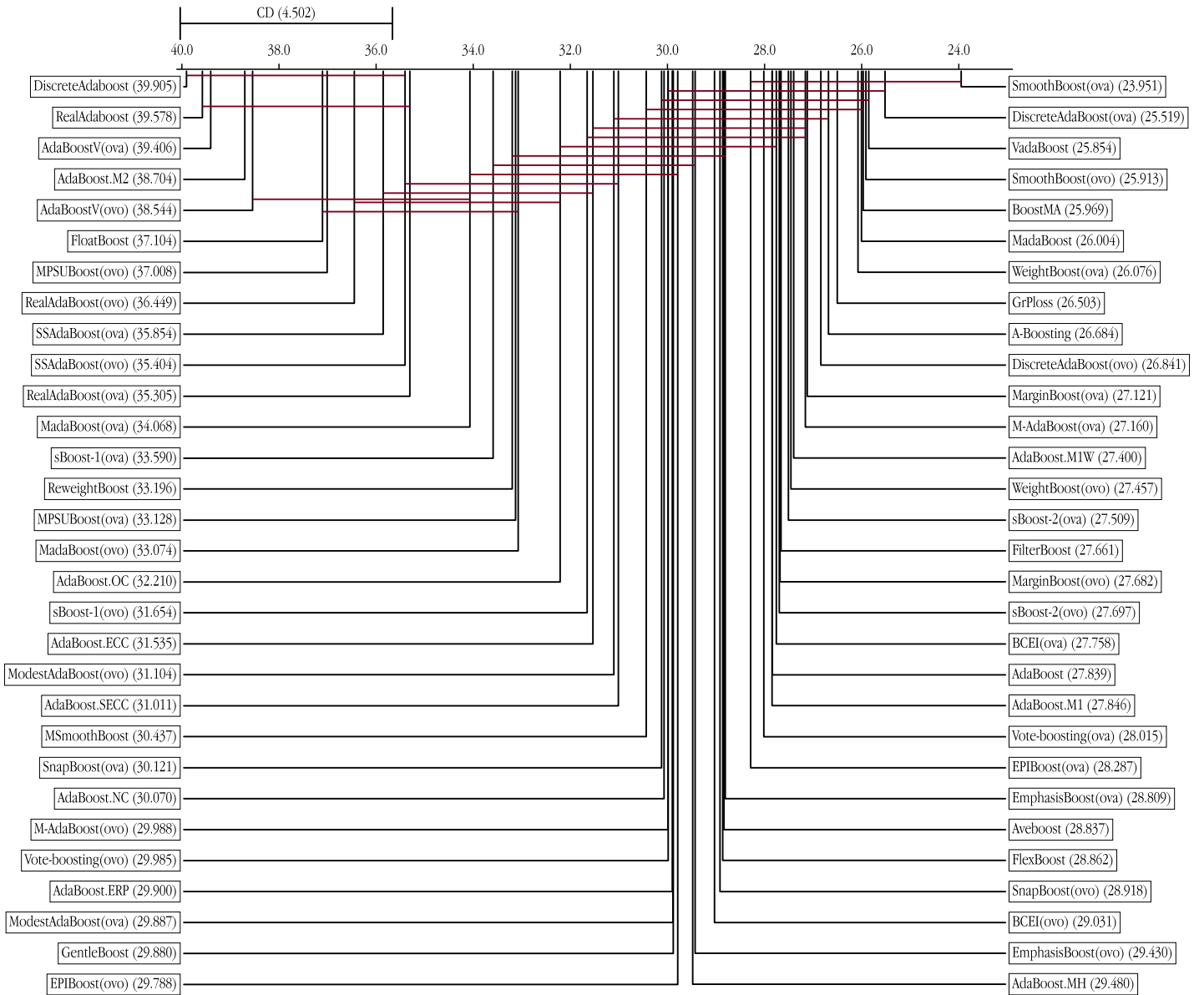


Figure 5: Nemenyi test for group #3 methods for CEN metric.

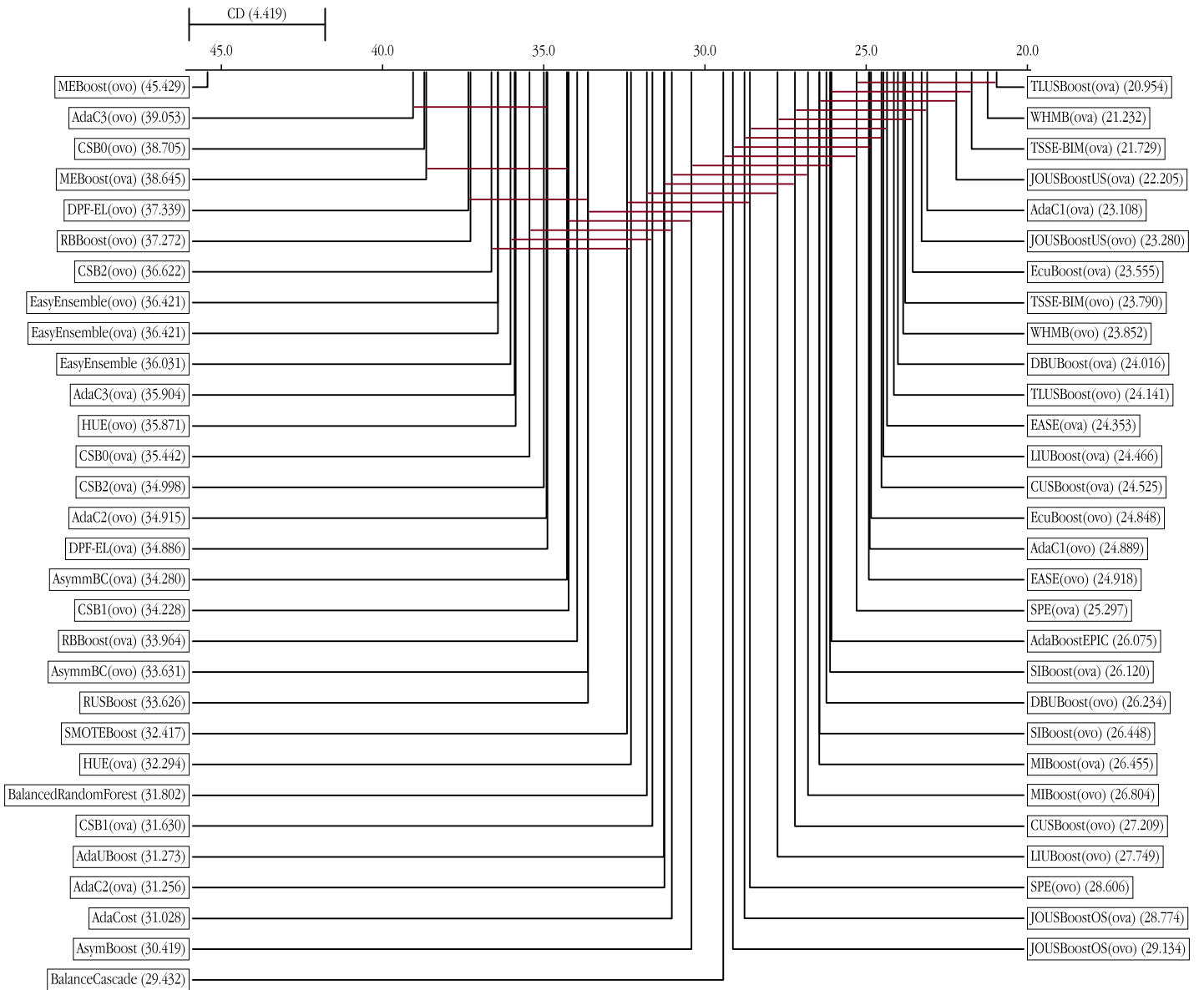


Figure 6: Nemenyi test for group #4 methods for Error-rate metric.

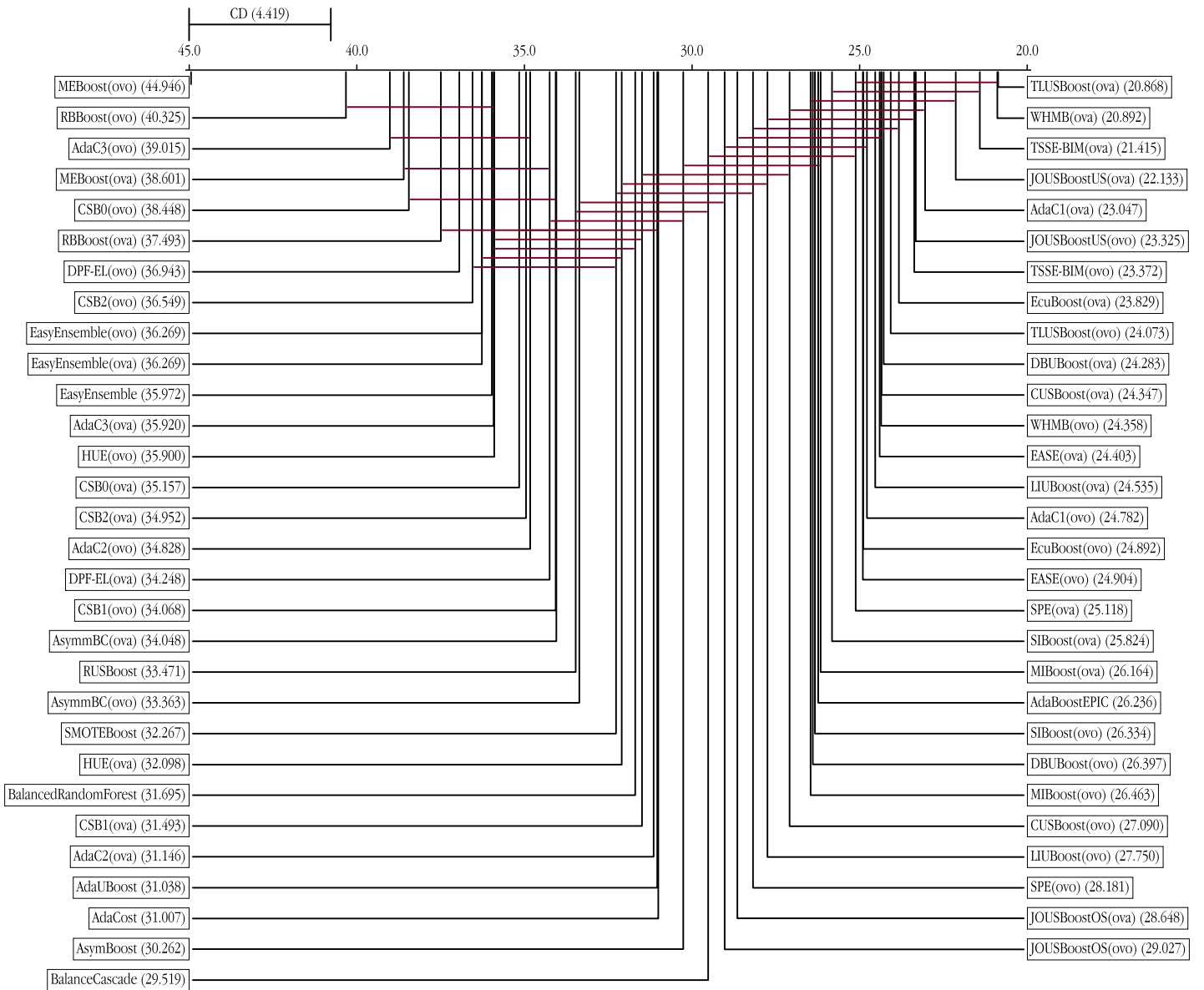


Figure 7: Nemenyi test for group #4 methods for F1-macro metric.

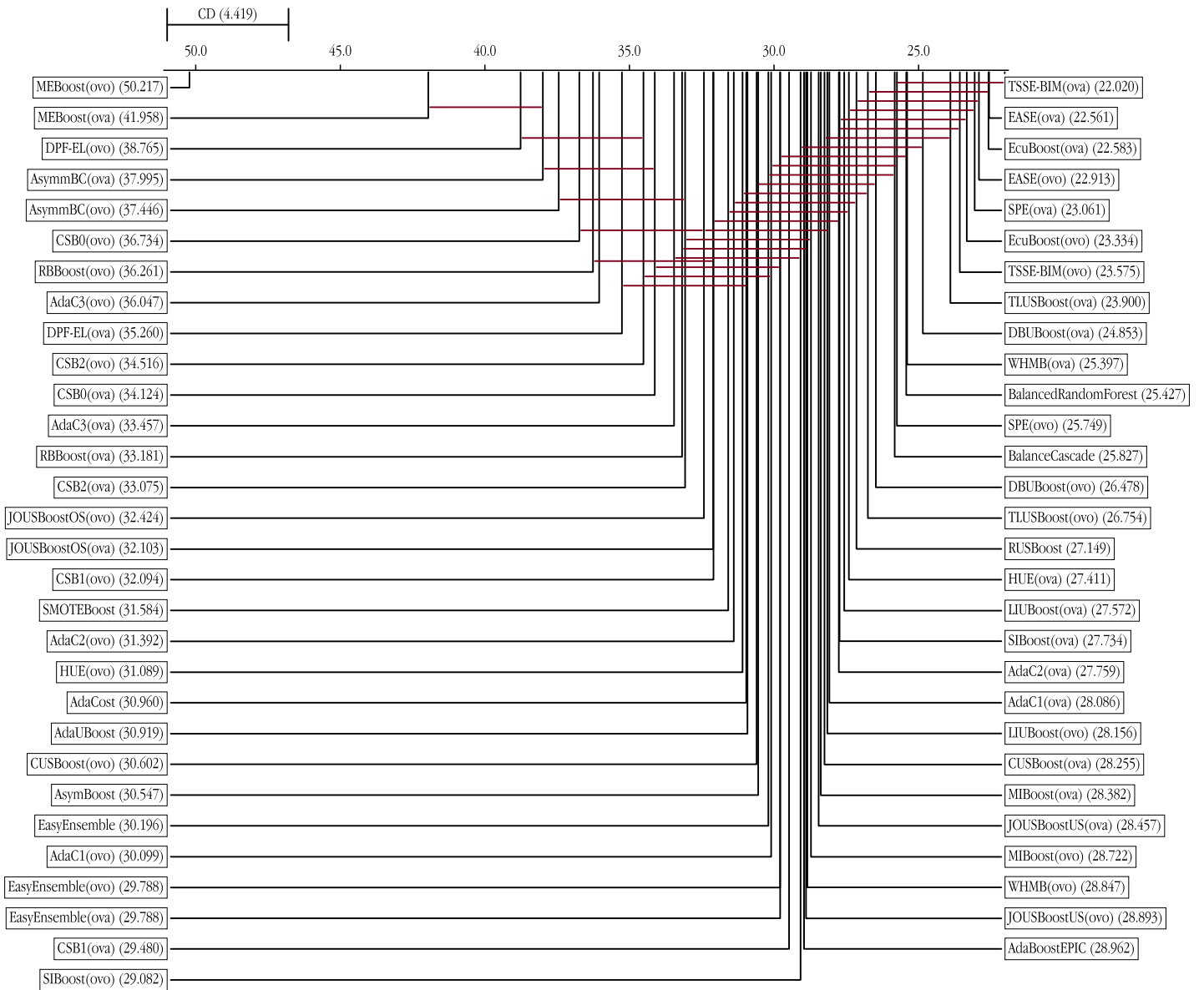


Figure 8: Nemenyi test for group #4 methods for Kappa metric.

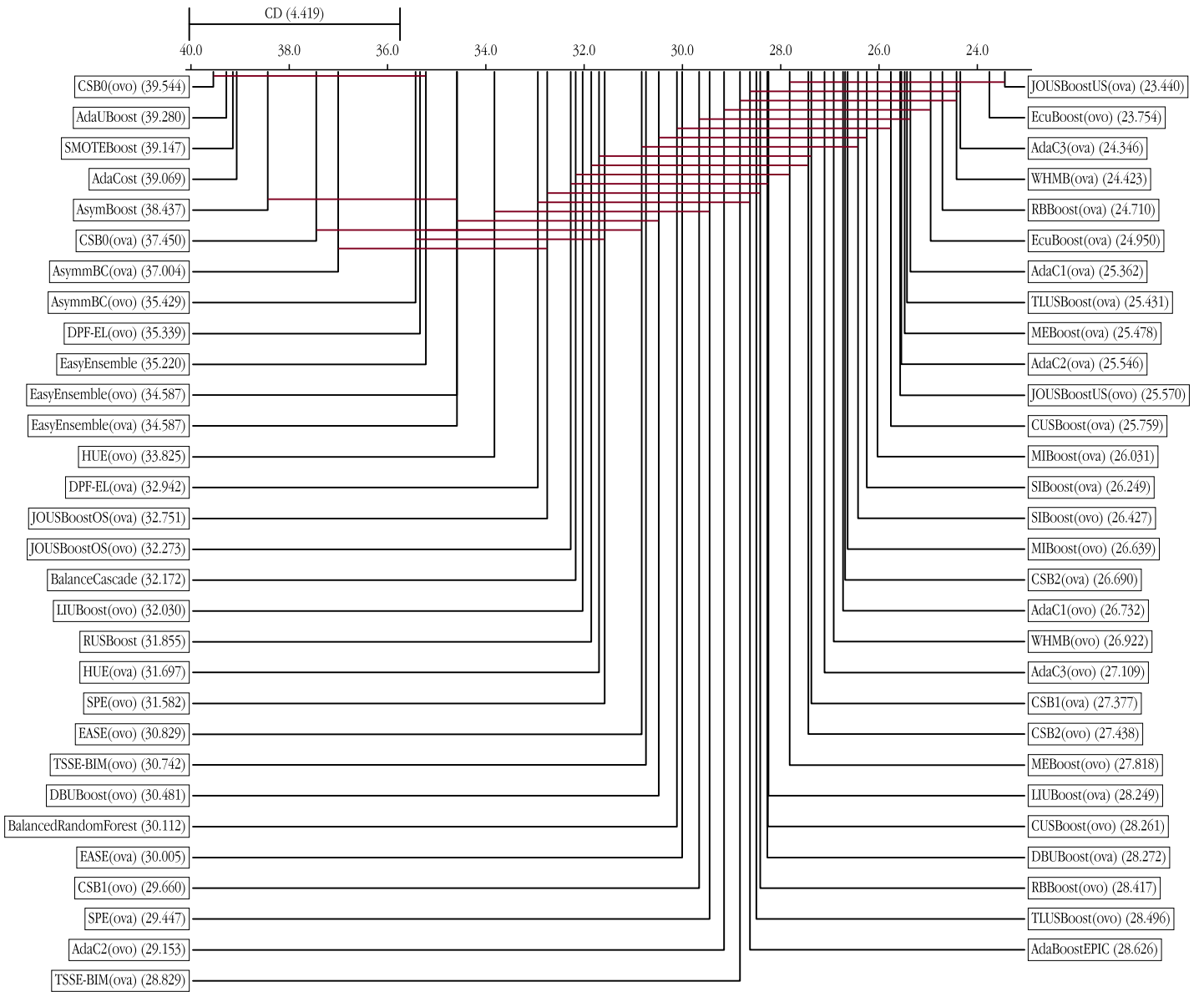


Figure 9: Nemenyi test for group #4 methods for CEN metric.



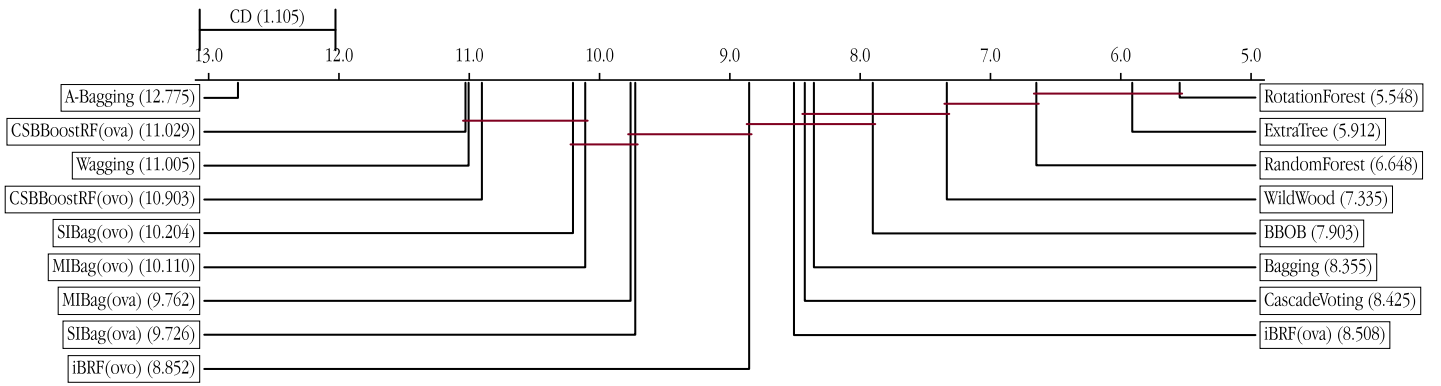


Figure 10: Nemenyi test for group #5 methods for Error-rate metric.

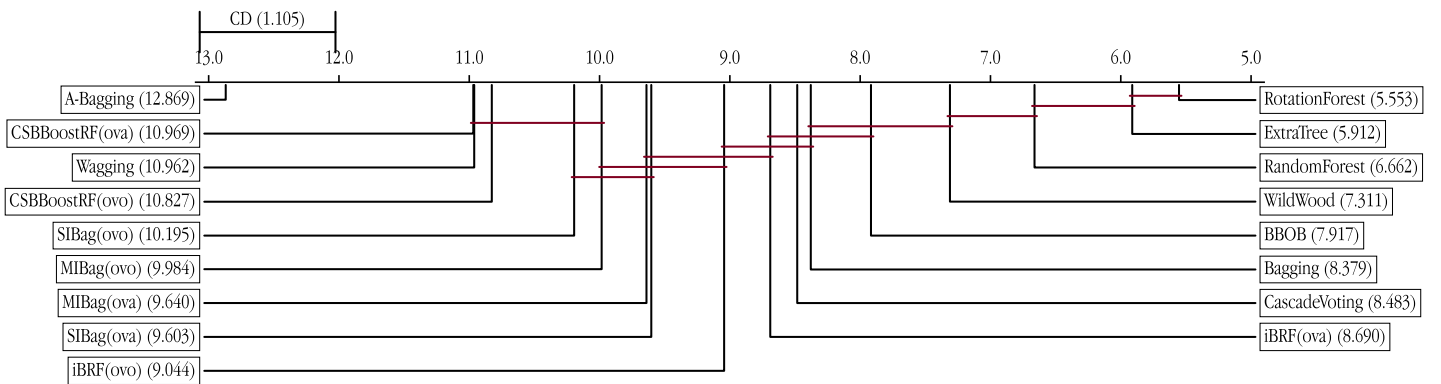


Figure 11: Nemenyi test for group #5 methods for F1-macro metric.

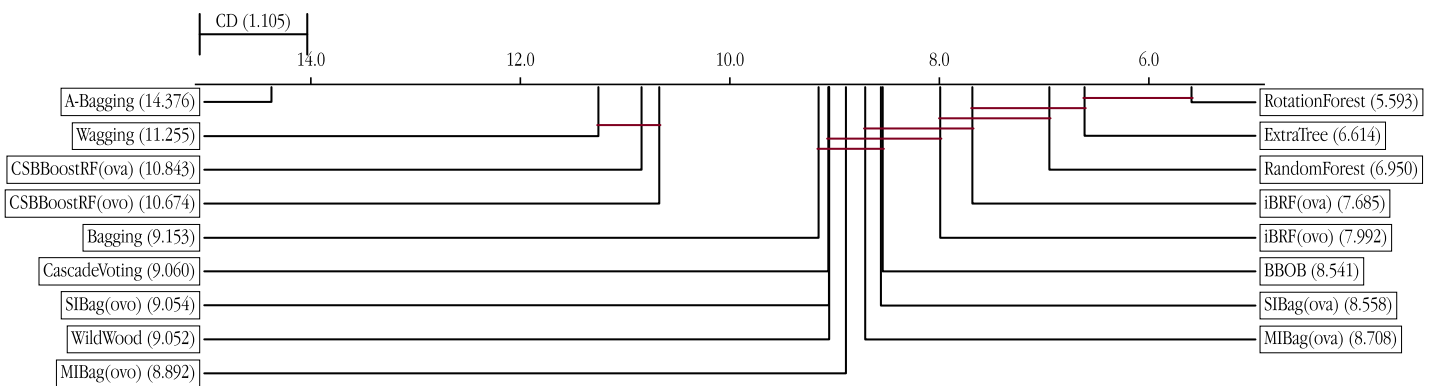


Figure 12: Nemenyi test for group #5 methods for Kappa metric.

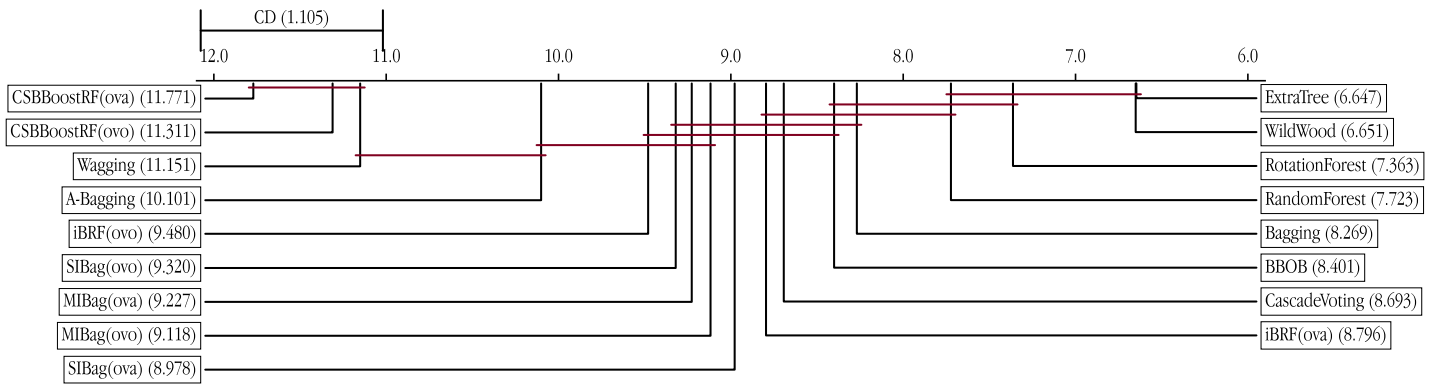


Figure 13: Nemenyi test for group #5 methods for CEN metric.

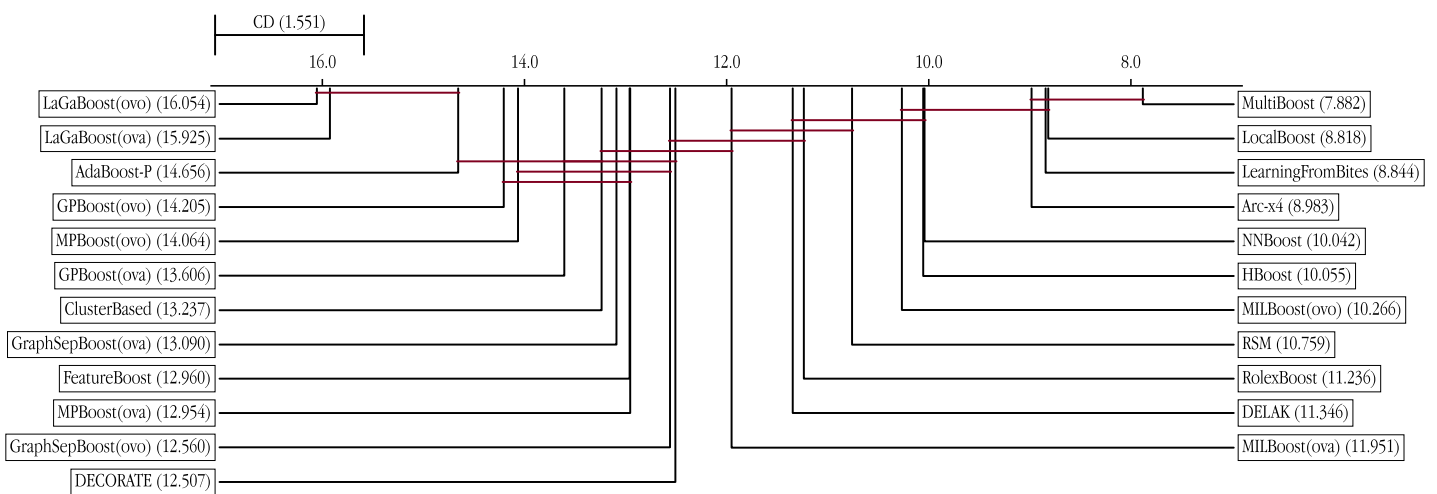


Figure 14: Nemenyi test for group #6 methods for Error-rate metric.

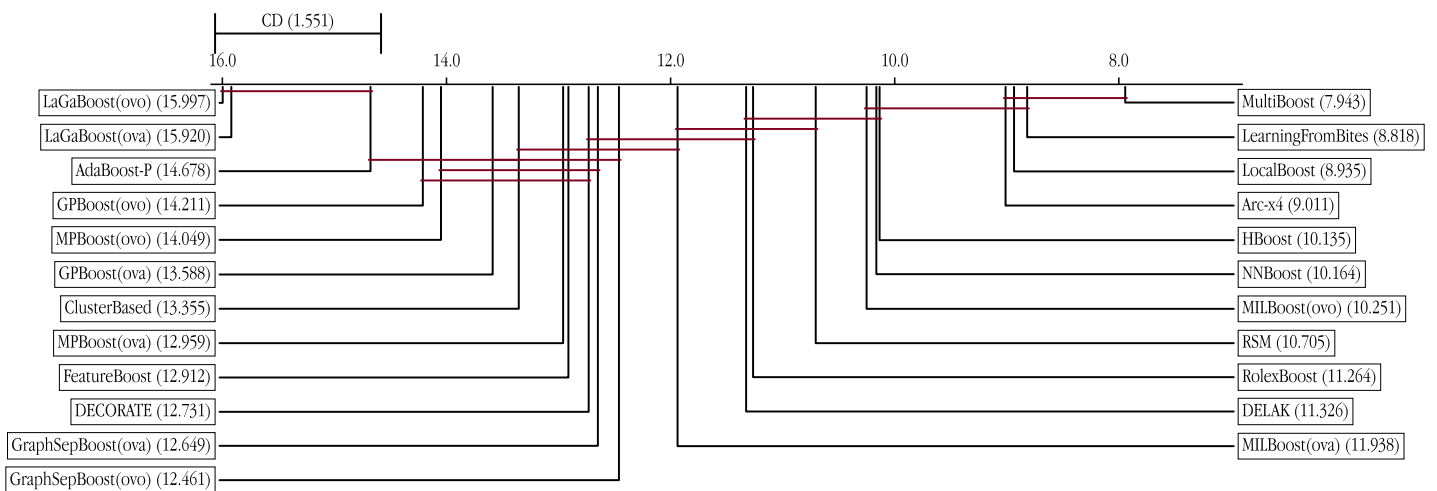


Figure 15: Nemenyi test for group #6 methods for F1-macro metric.

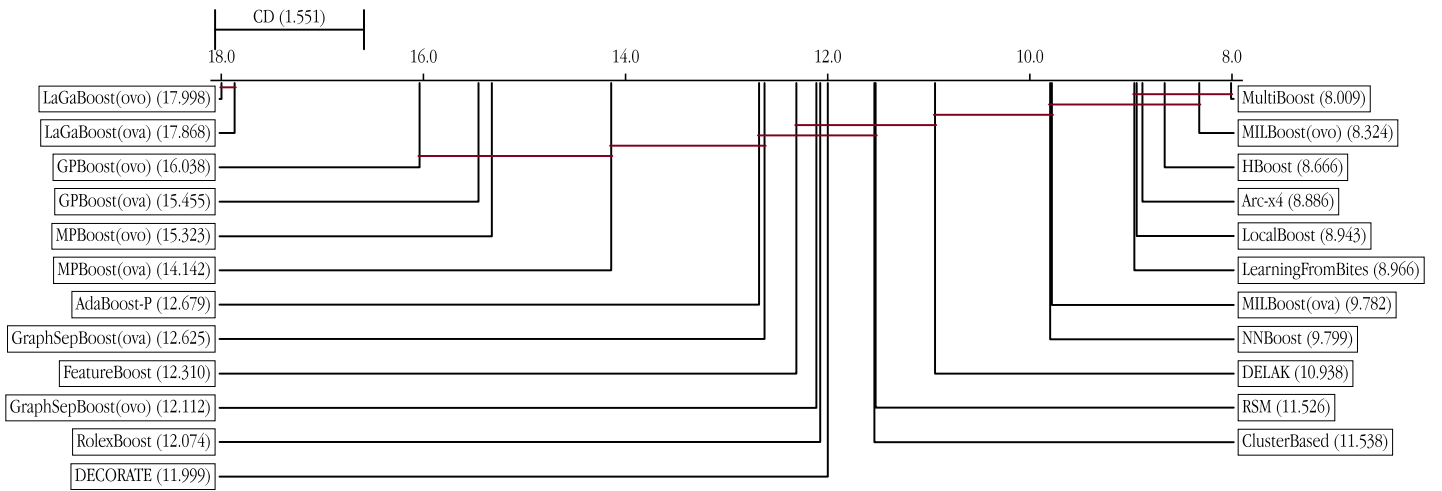


Figure 16: Nemenyi test for group #6 methods for Kappa metric.

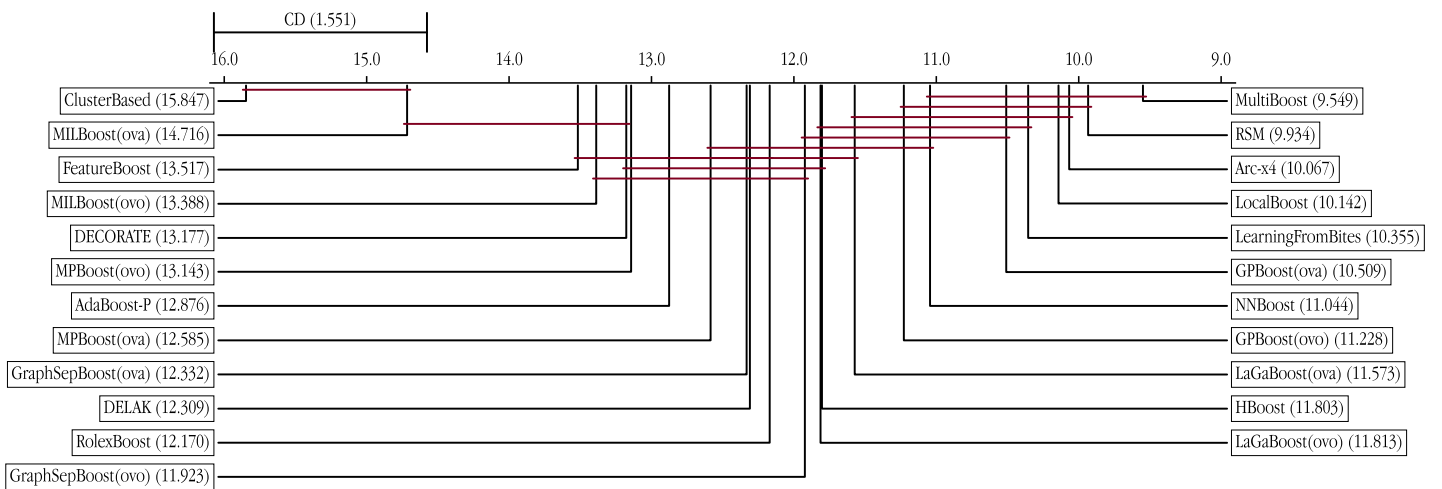


Figure 17: Nemenyi test for group #6 methods for CEN metric.

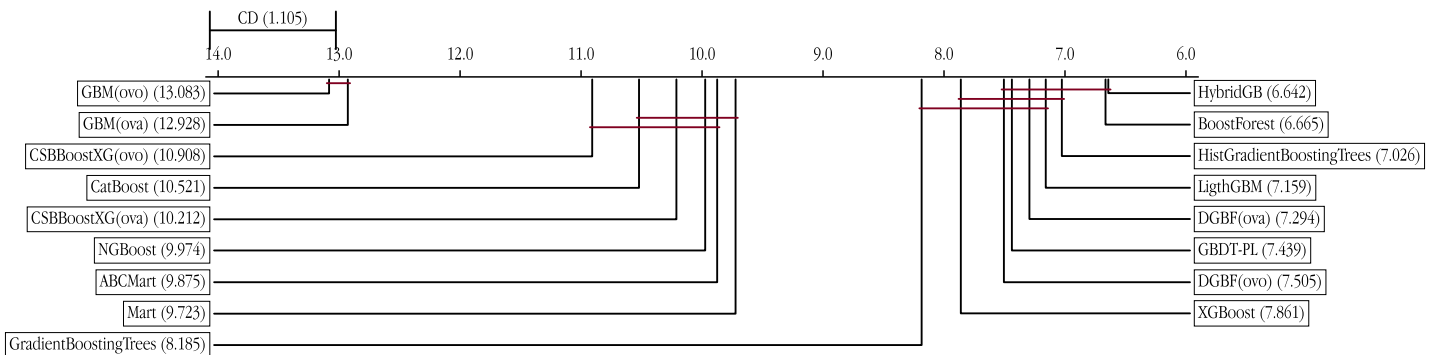


Figure 18: Nemenyi test for group #7 methods for Error-rate metric.

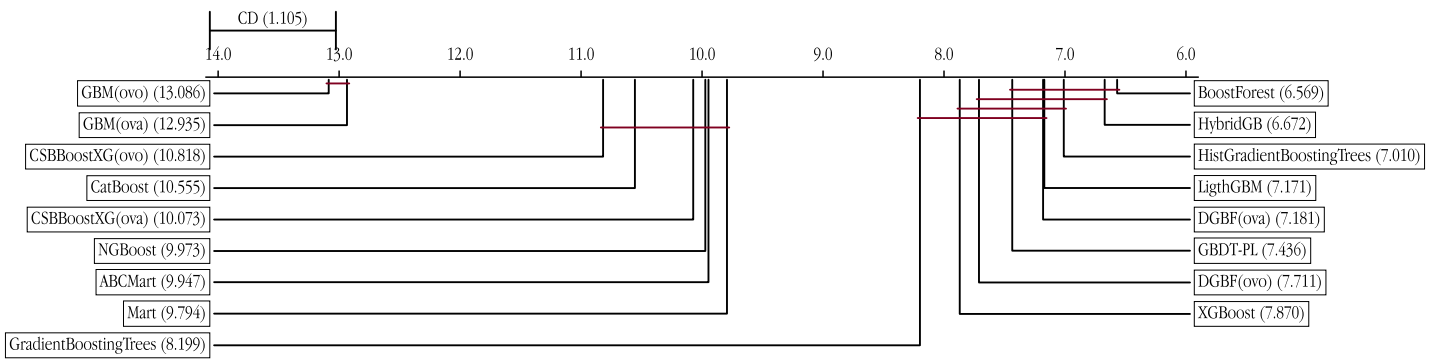


Figure 19: Nemenyi test for group #7 methods for F1-macro metric.

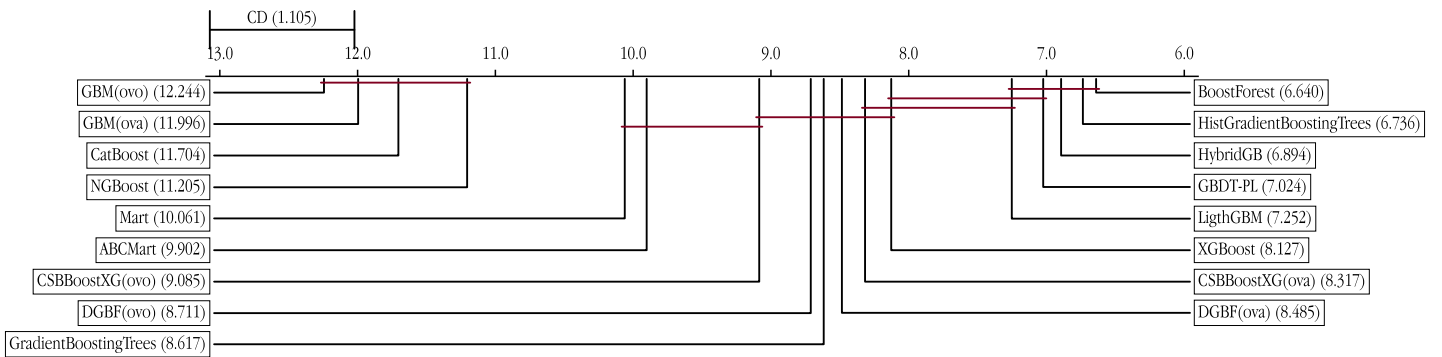


Figure 20: Nemenyi test for group #7 methods for Kappa metric.

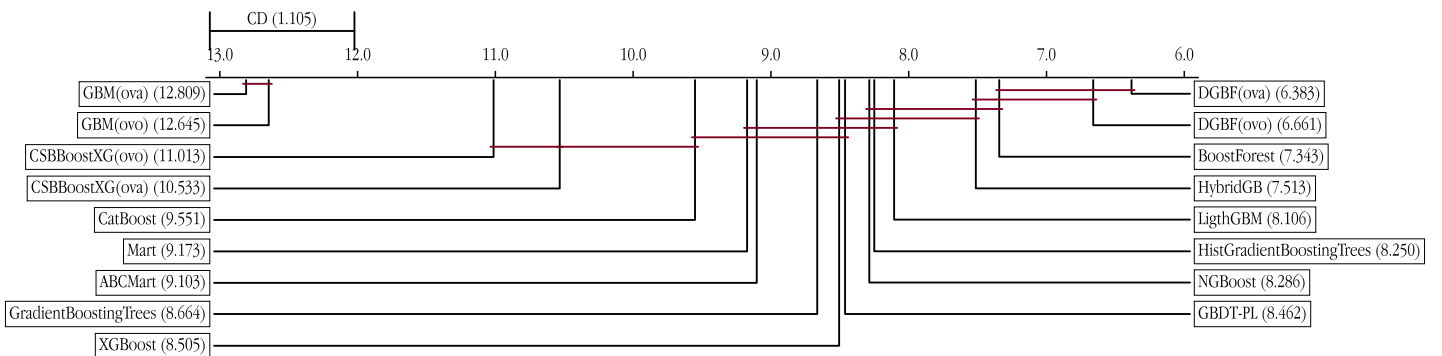


Figure 21: Nemenyi test for group #7 methods for CEN metric.

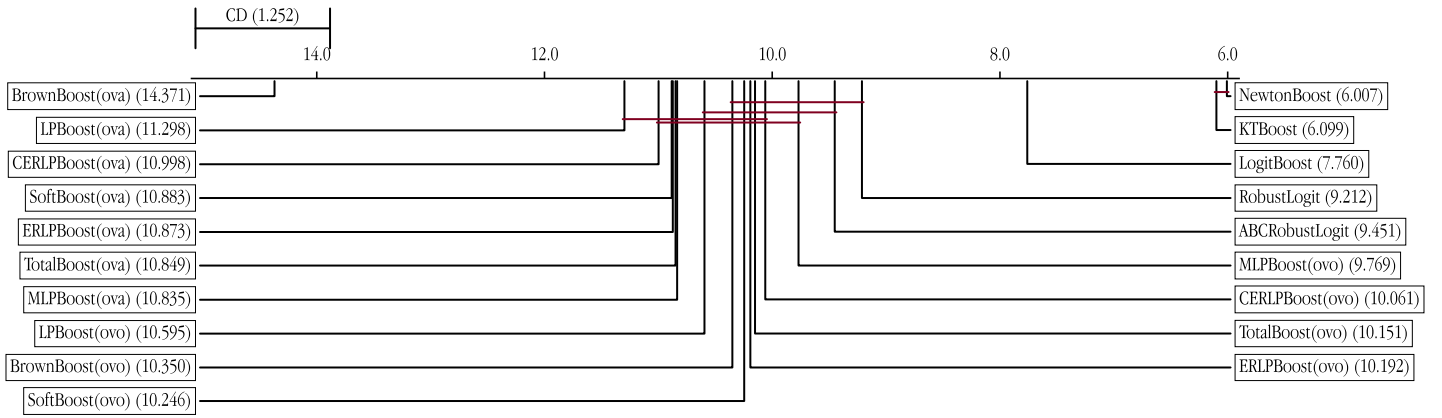


Figure 22: Nemenyi test for group #8 methods for Error-rate metric.

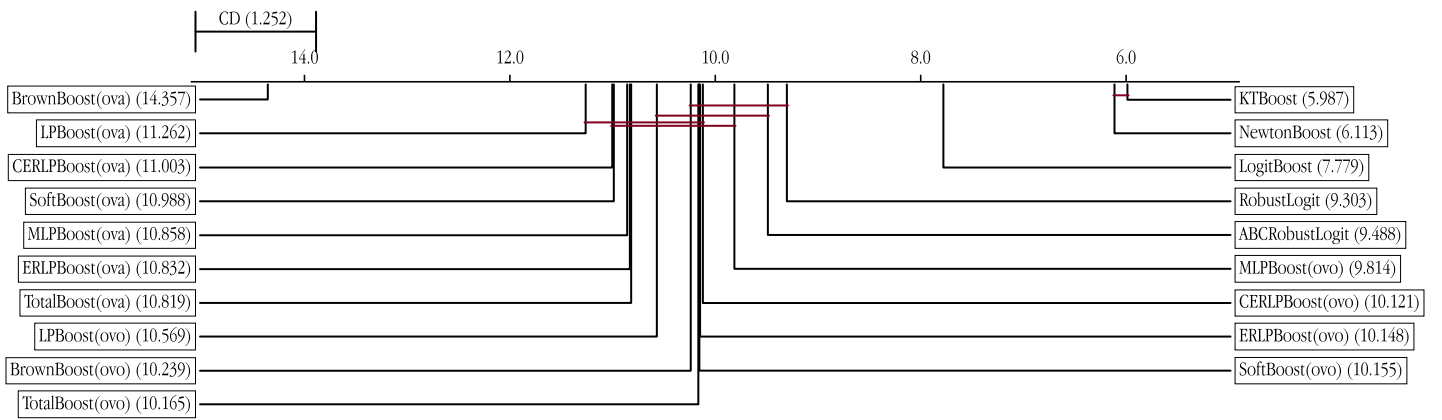


Figure 23: Nemenyi test for group #8 methods for F1-macro metric.

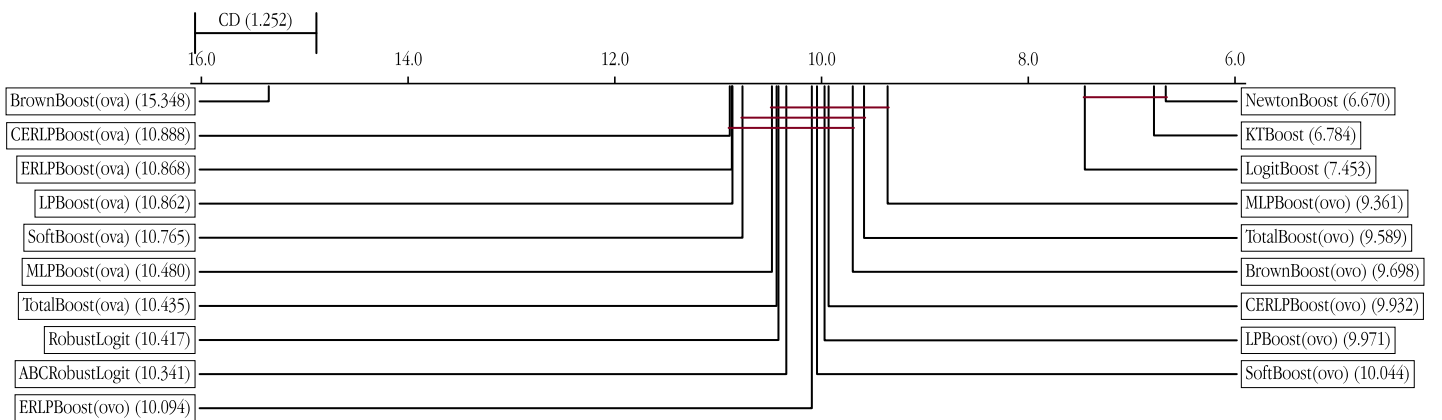


Figure 24: Nemenyi test for group #8 methods for Kappa metric.

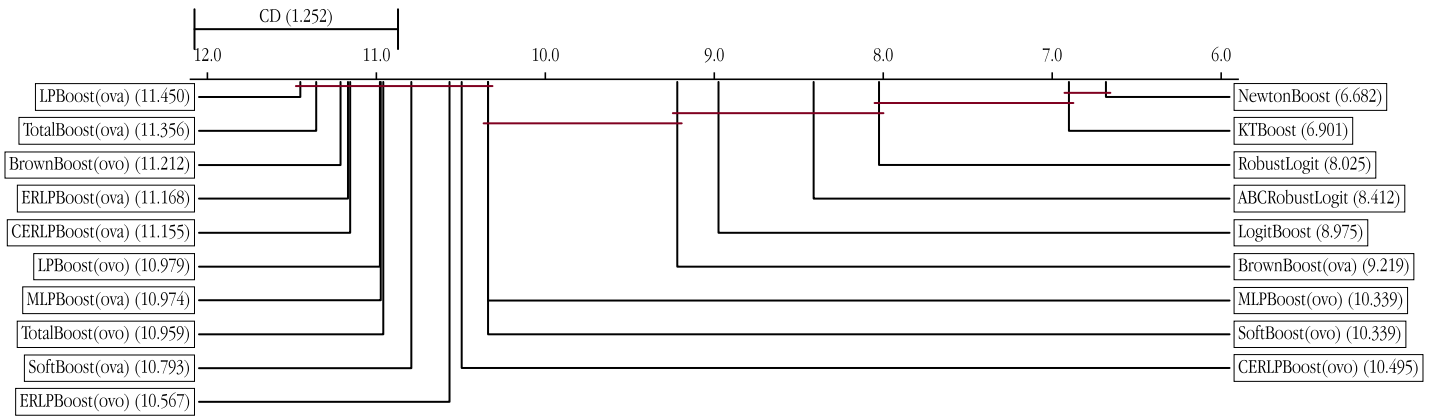


Figure 25: Nemenyi test for group #8 methods for CEN metric.

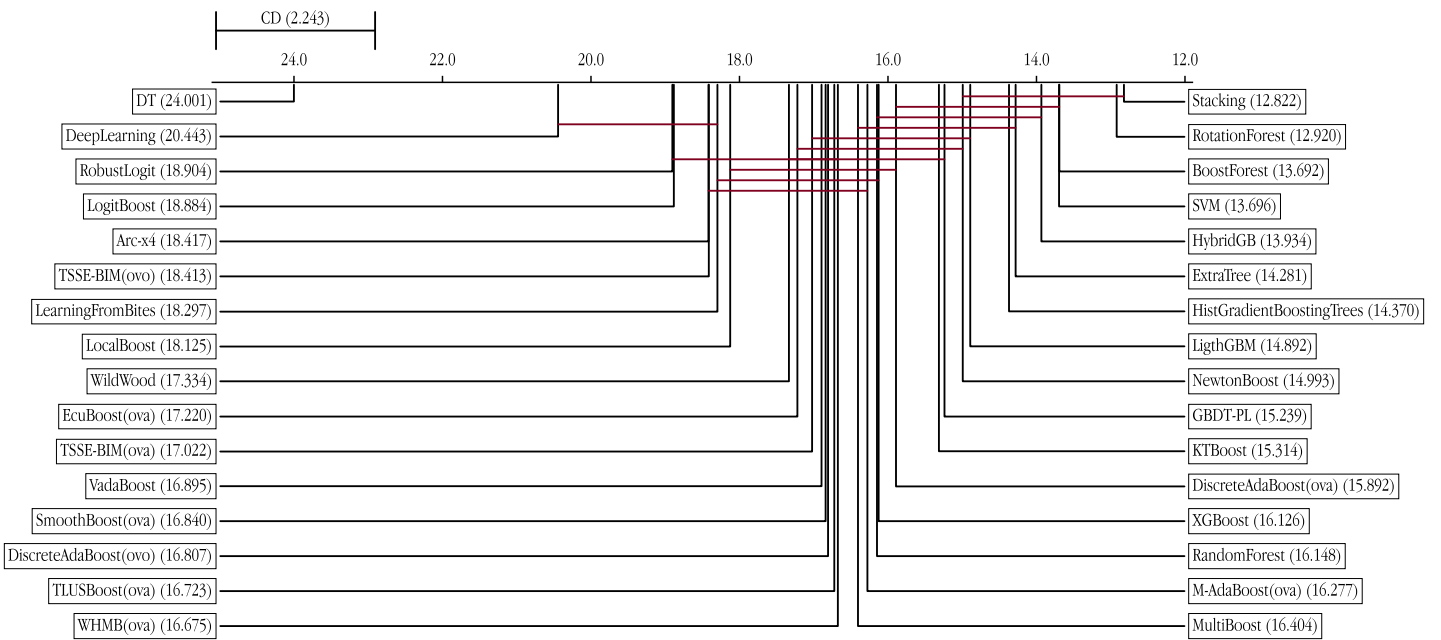


Figure 26: Nemenyi test for the best methods of every group for Error-rate metric.

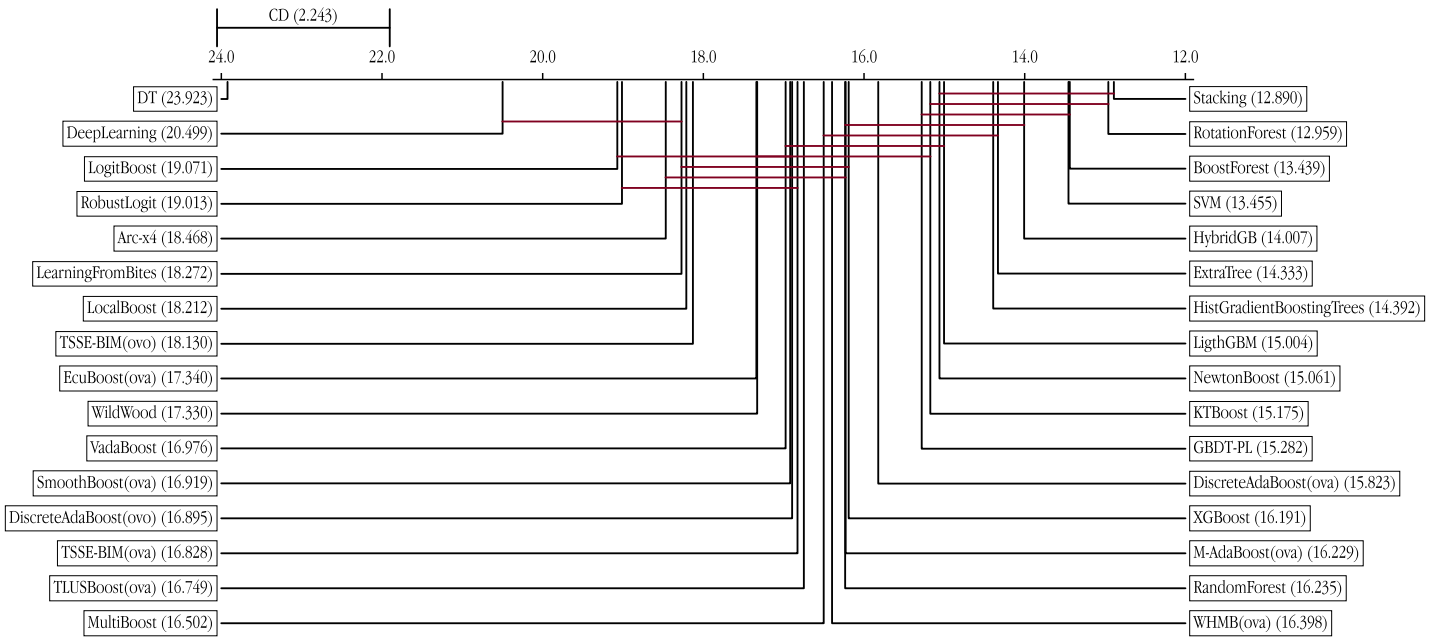


Figure 27: Nemenyi test for the best methods of every group F1-macro metric.

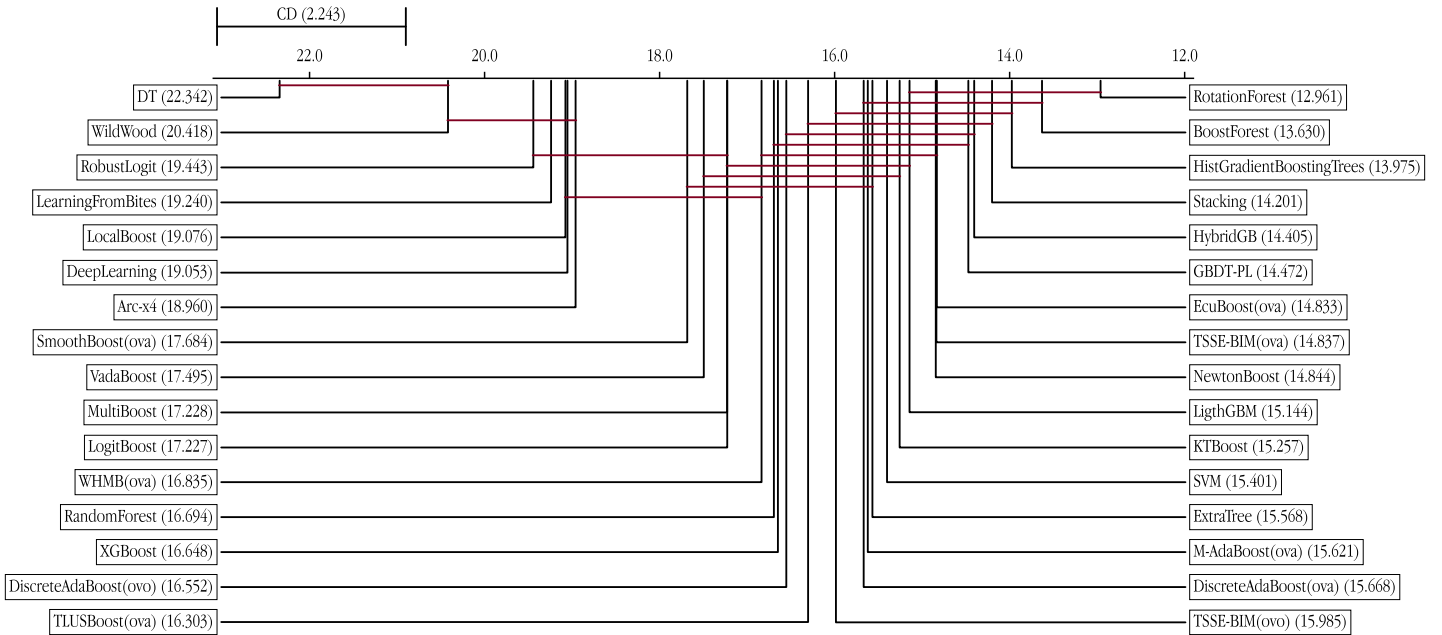


Figure 28: Nemenyi test for the best methods of every group Kappa metric.

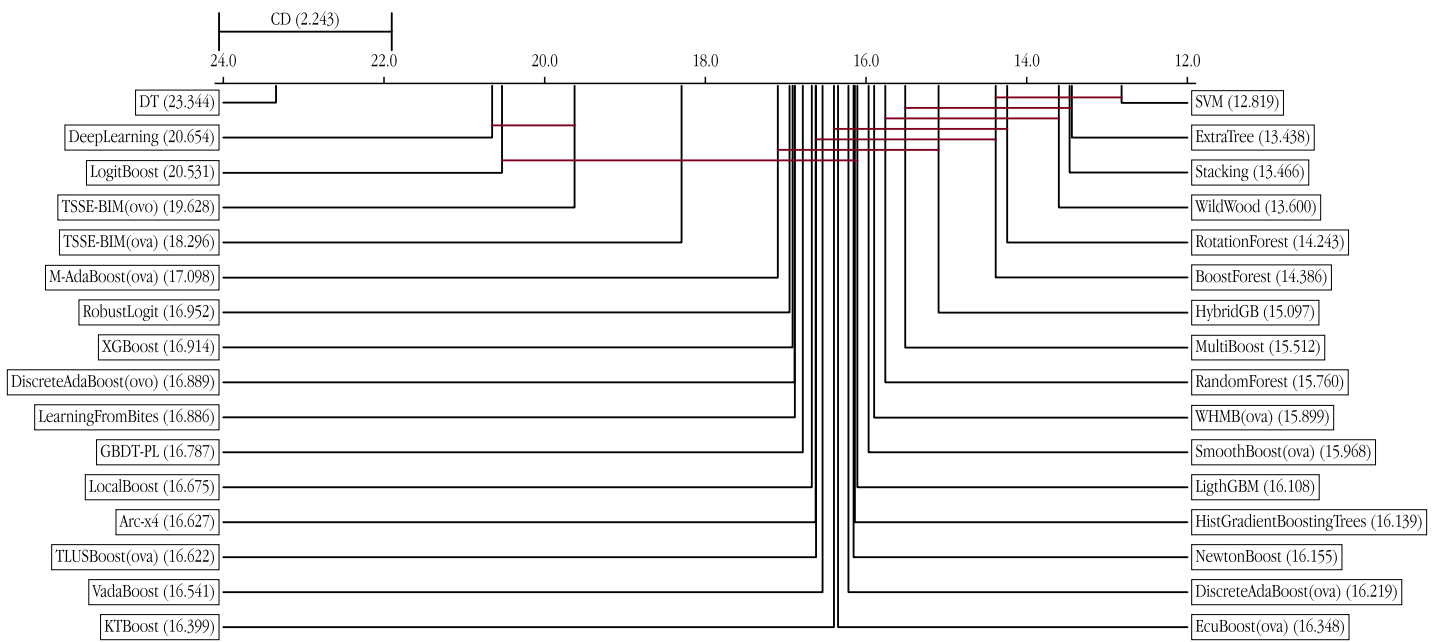


Figure 29: Nemenyi test for the best methods of every group CEN metric.



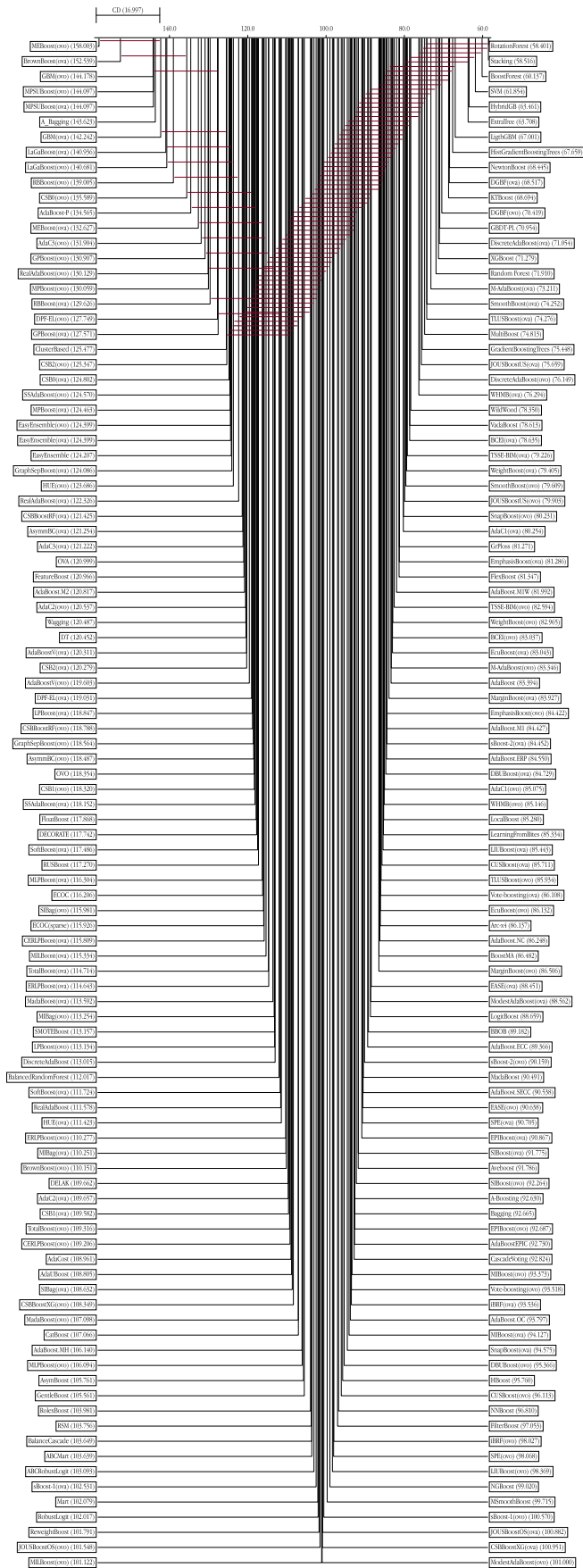


Figure 30: Nemenyi test for all methods for Accuracy metric.

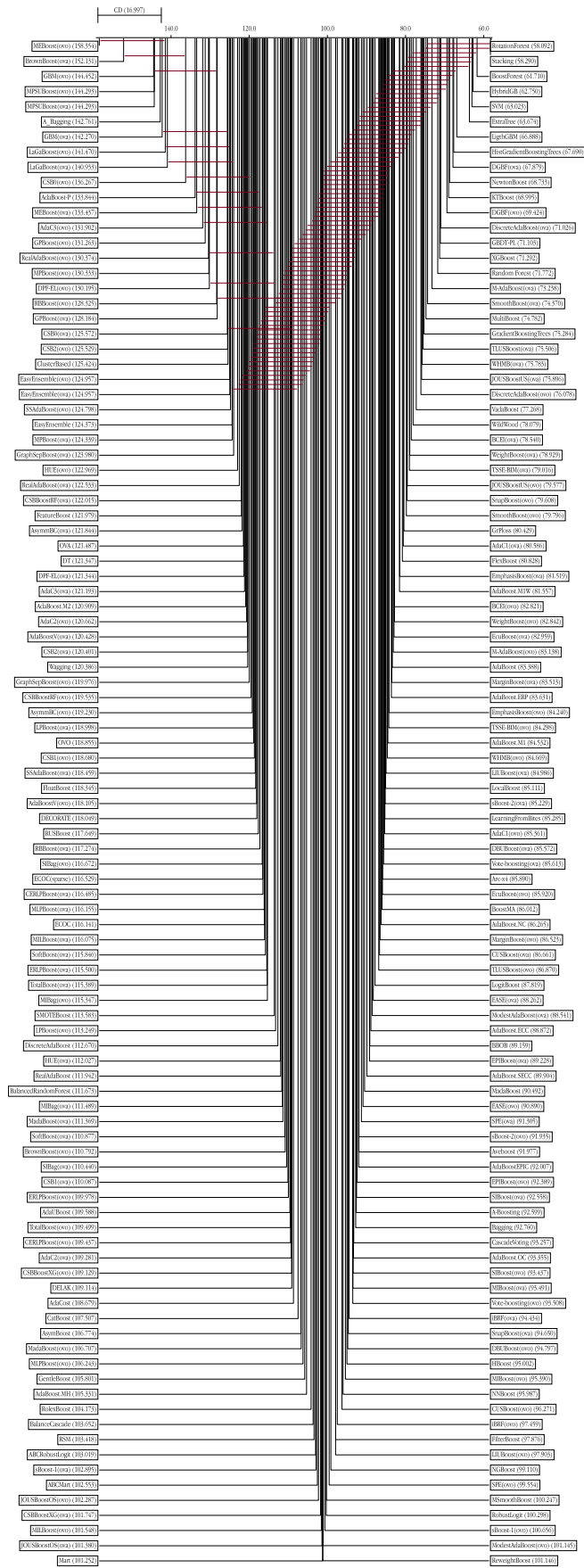


Figure 31: Neményi test for all methods for Error-rate metric.

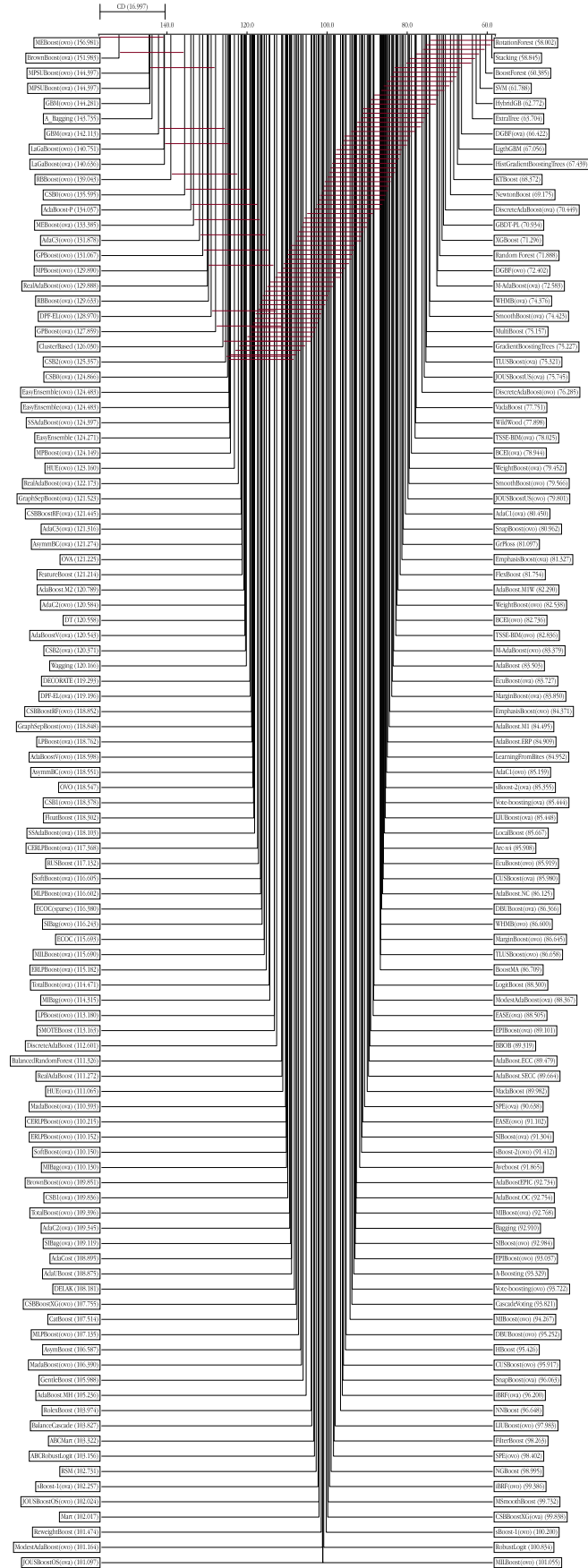


Figure 32: Nemenyi test for all methods for F1-macro metric.

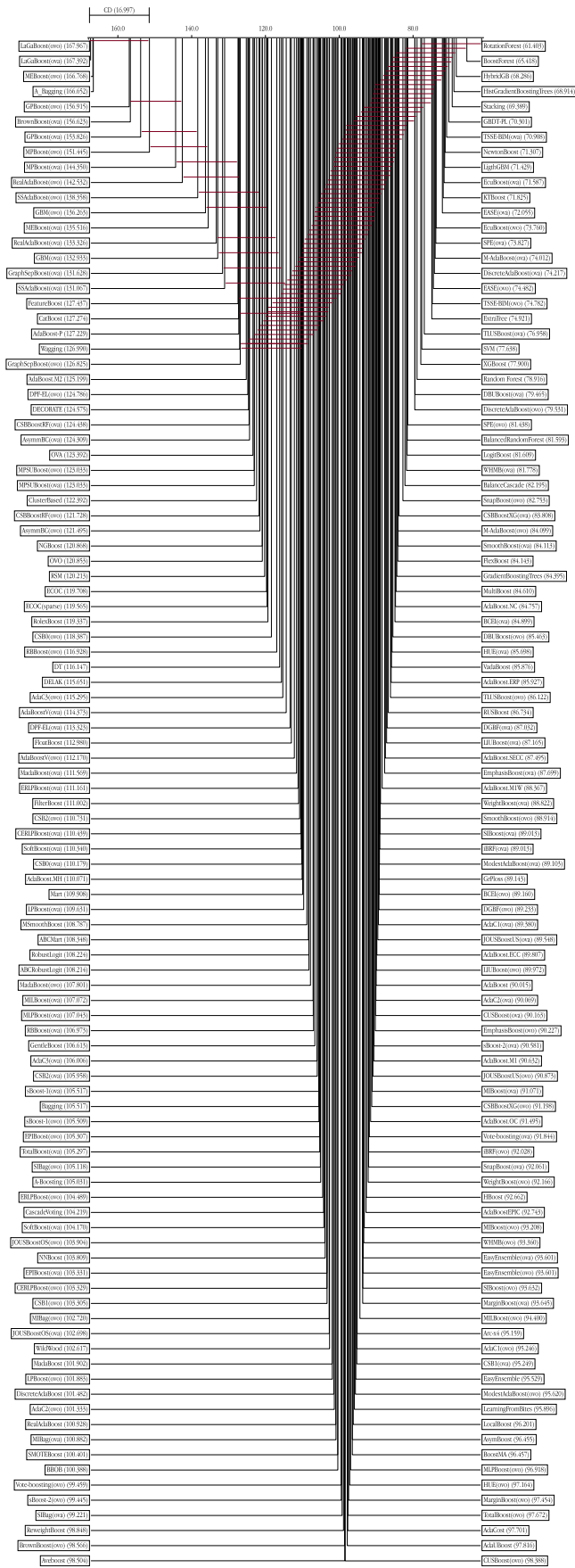


Figure 33: Nemenyi test for all methods for Kappa metric.

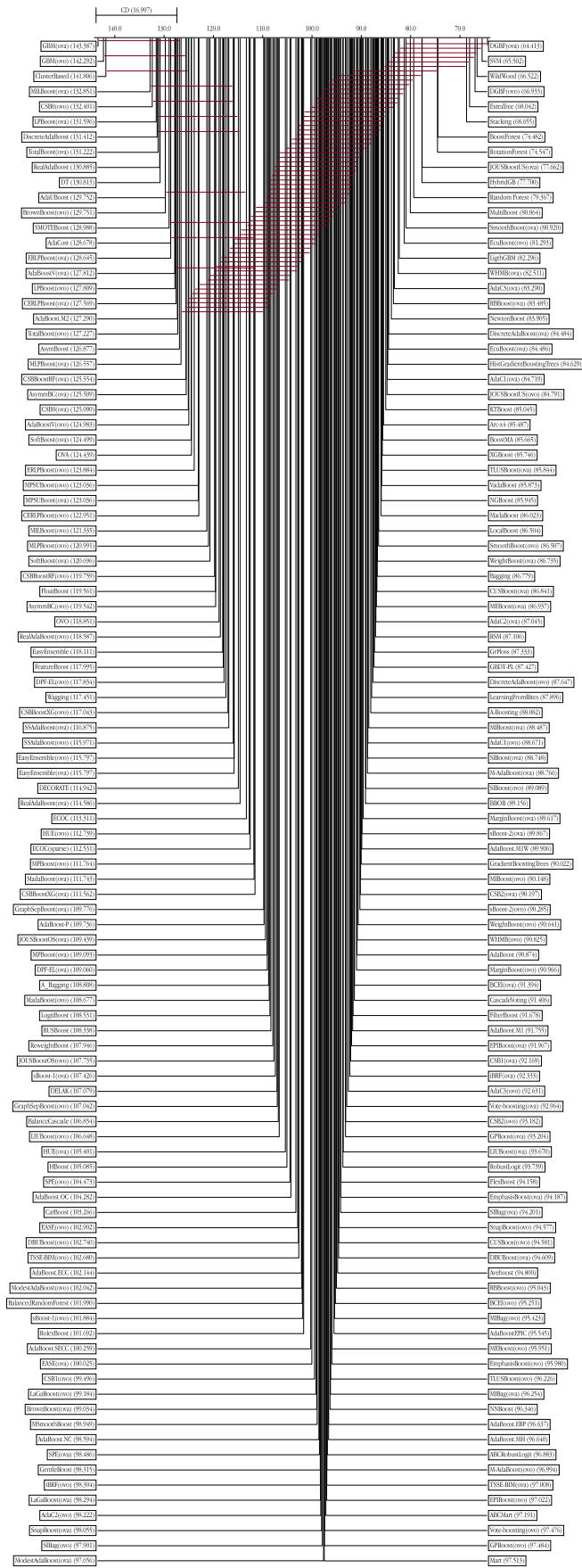


Figure 34: Nemenyi test for all methods for CEN metric.

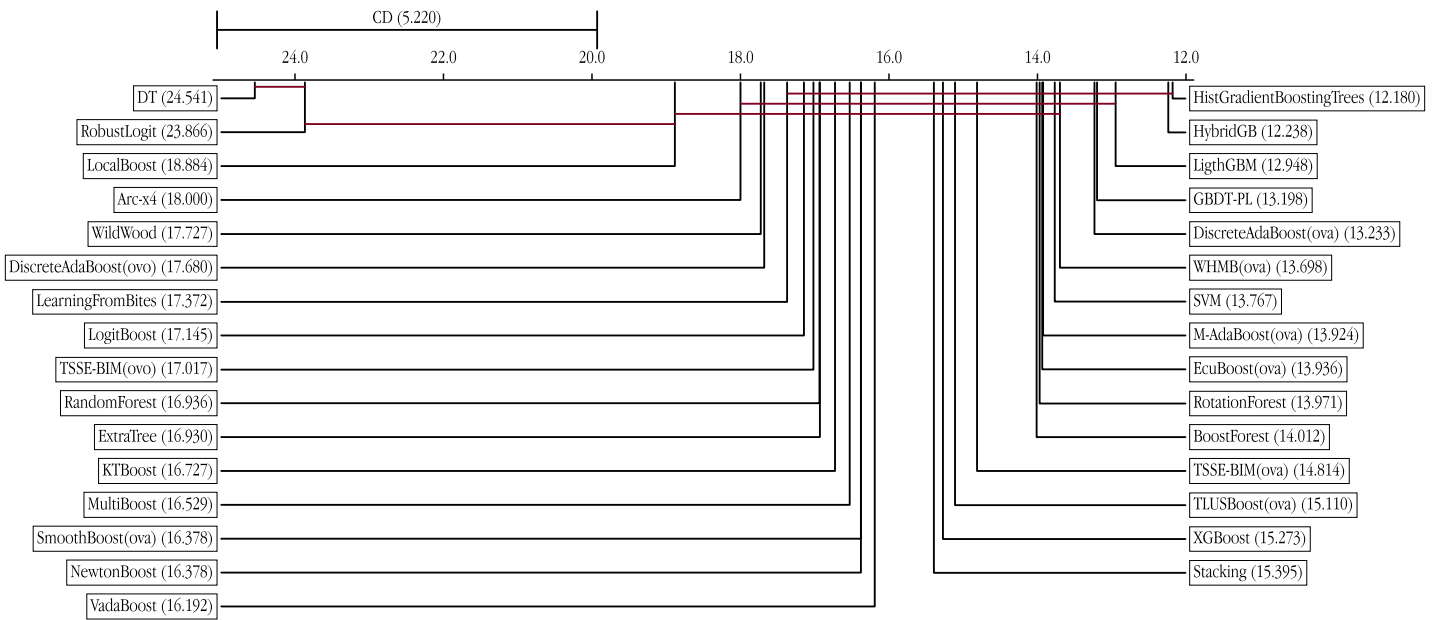


Figure 35: Nemenyi test for datasets with many features for Error-rate metric.

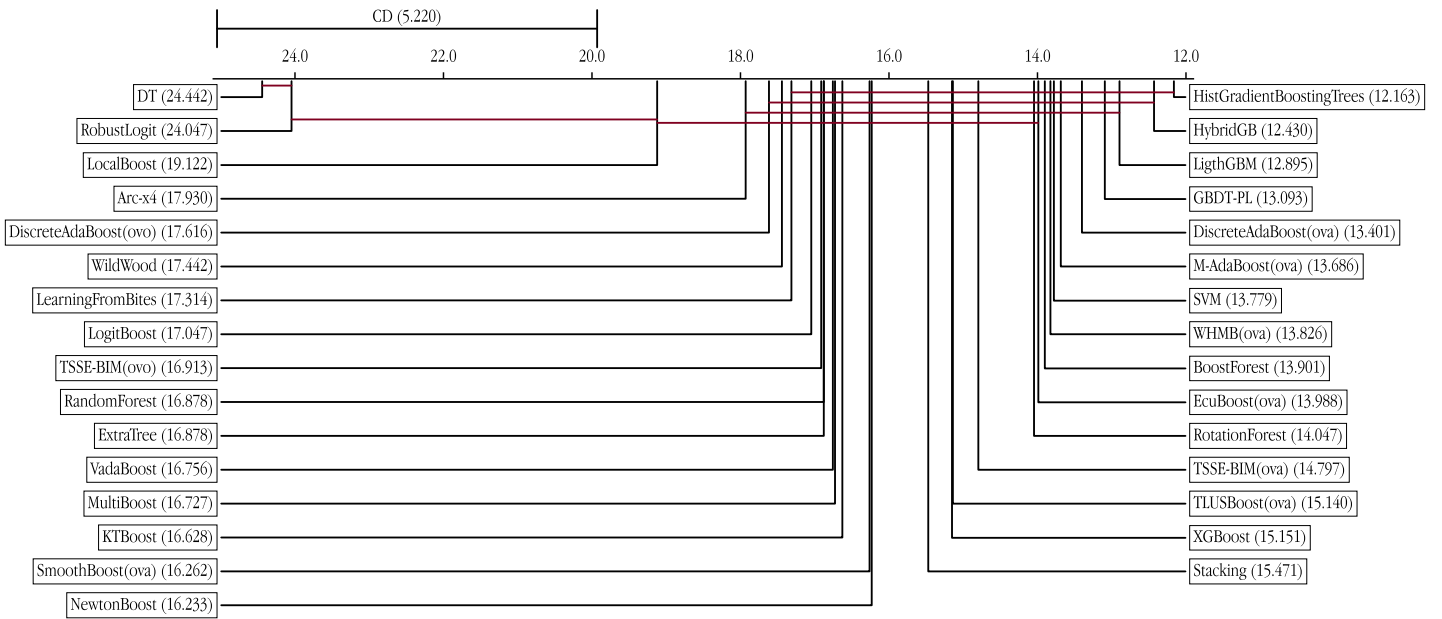


Figure 36: Nemenyi test for datasets with many features for F1-macro metric.

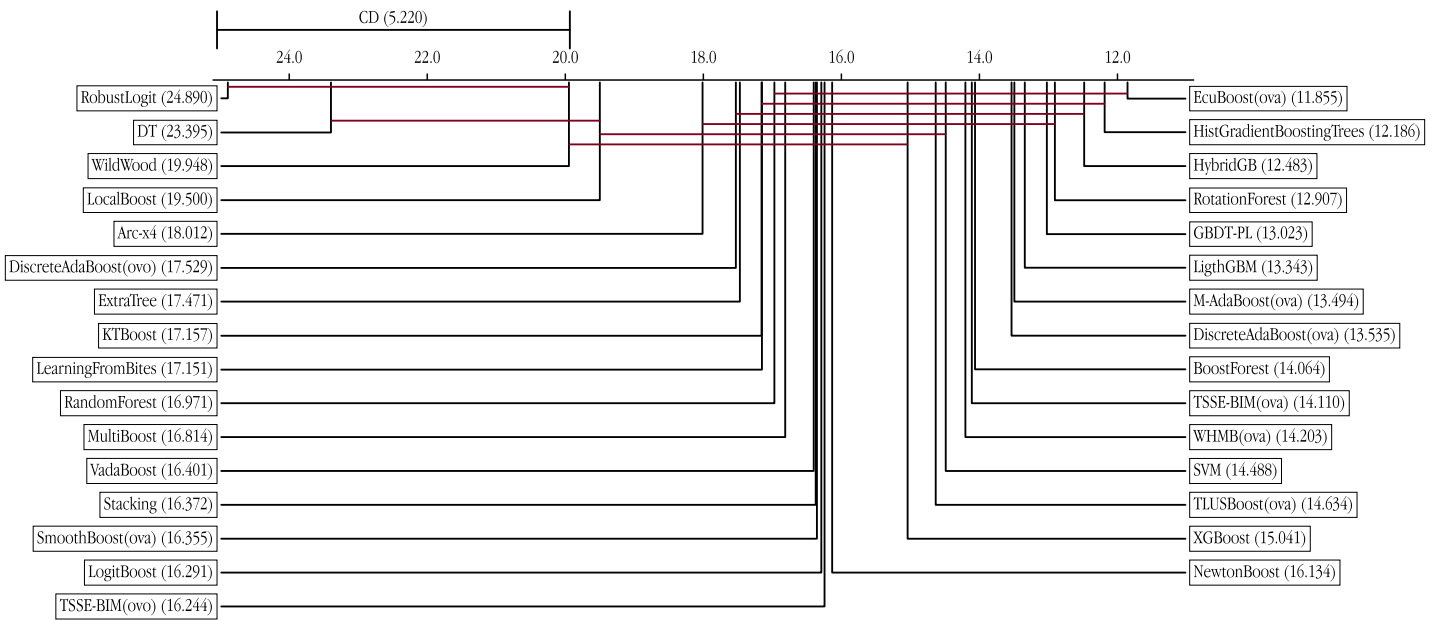


Figure 37: Nemenyi test for datasets with many features for Kappa metric.

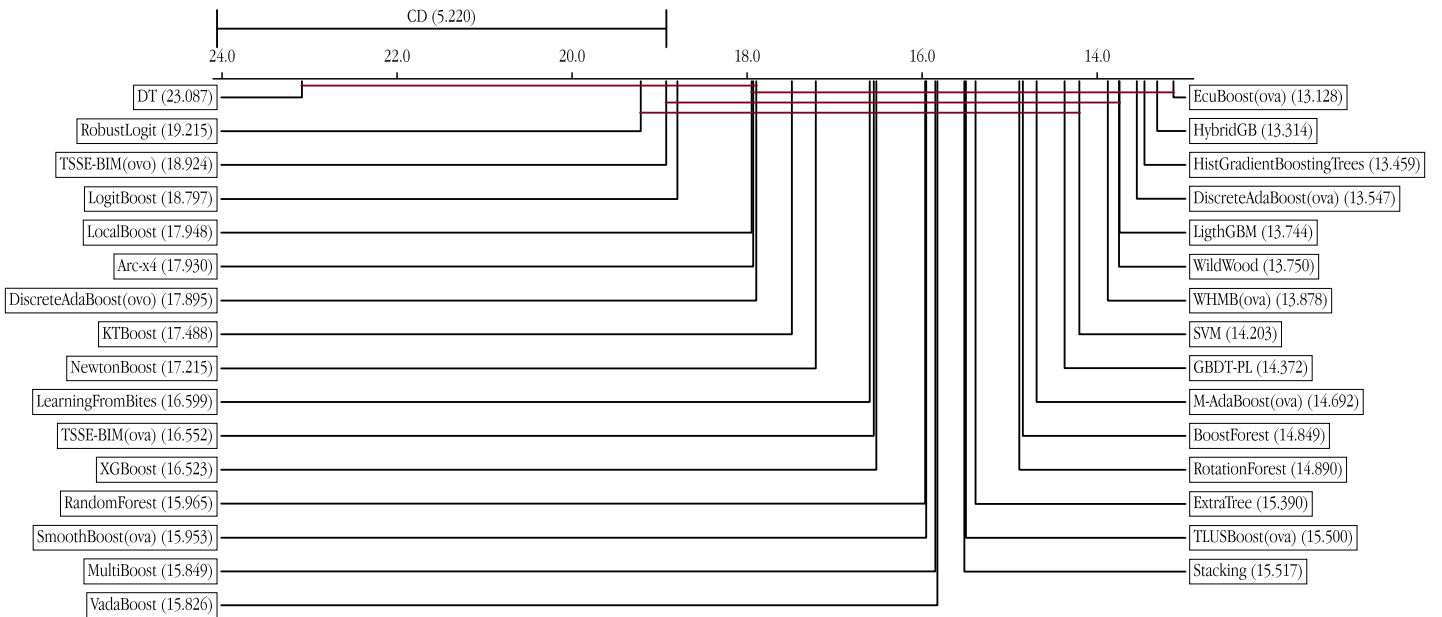


Figure 38: Nemenyi test for datasets with many features for CEN metric.

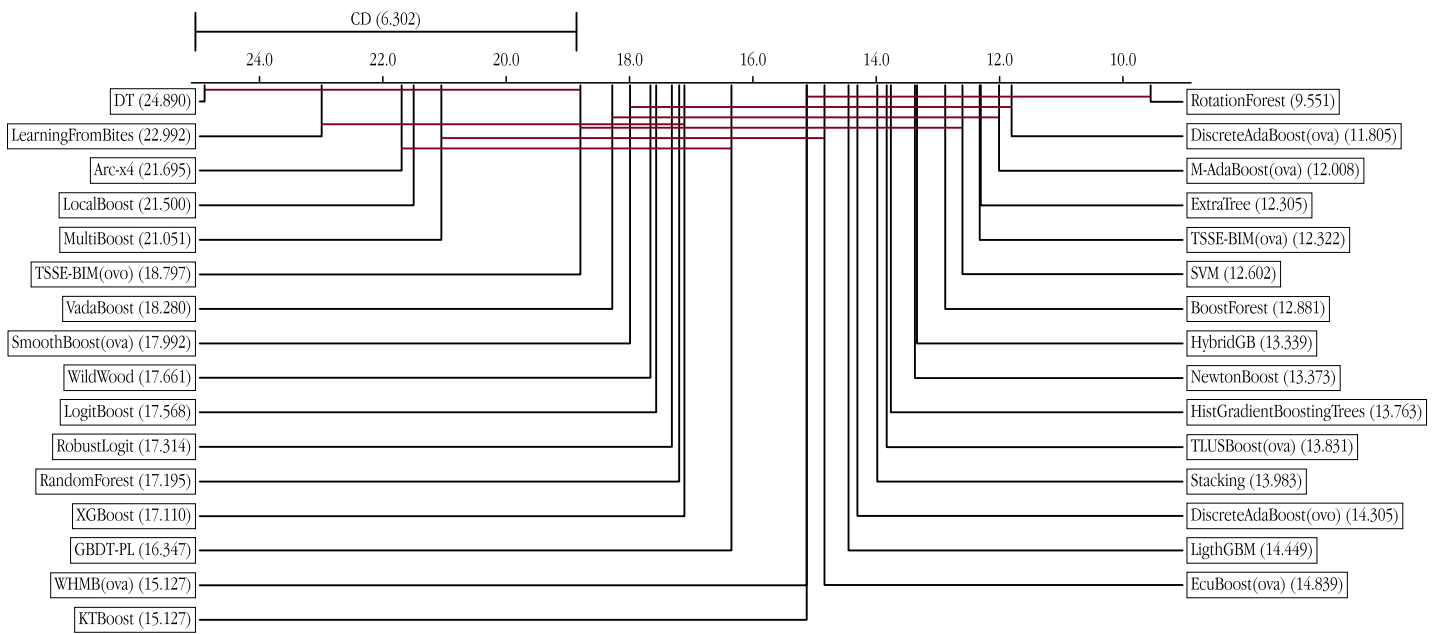


Figure 39: Nemenyi test for datasets with many classes for Error-rate metric.

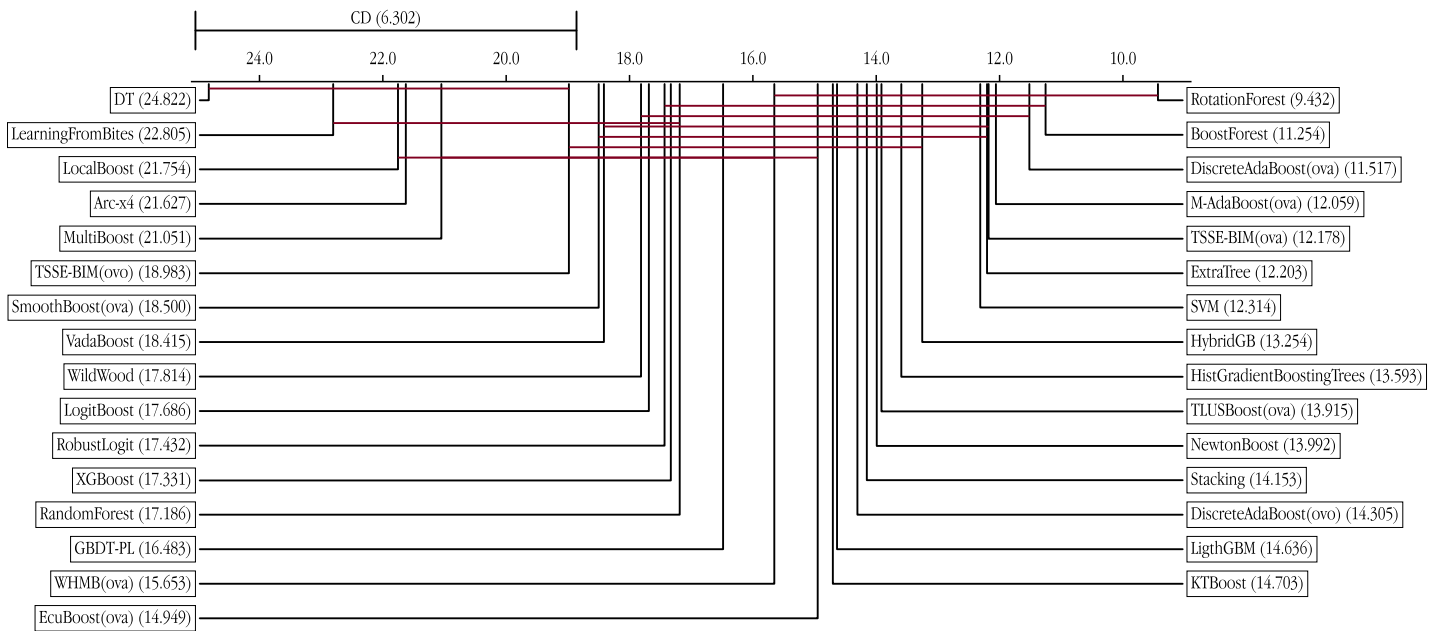


Figure 40: Nemenyi test for datasets with many classes for F1-macro metric.



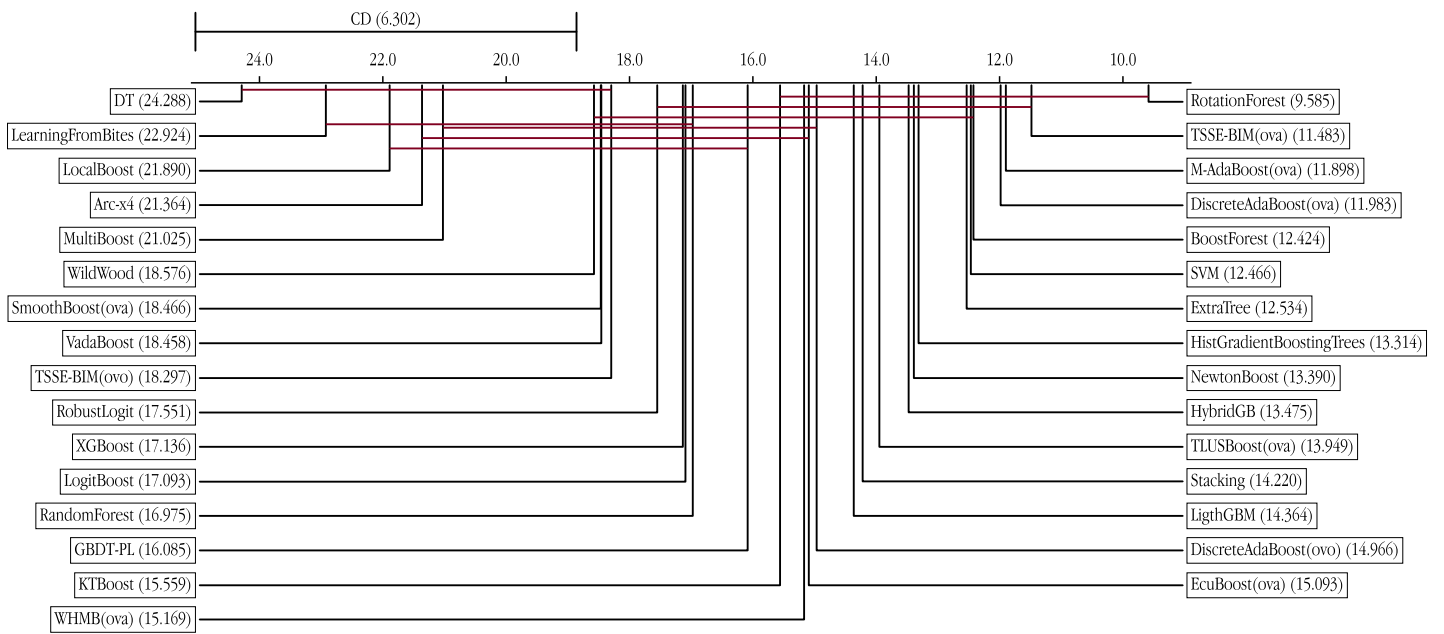


Figure 41: Nemenyi test for datasets with many classes for Kappa metric.

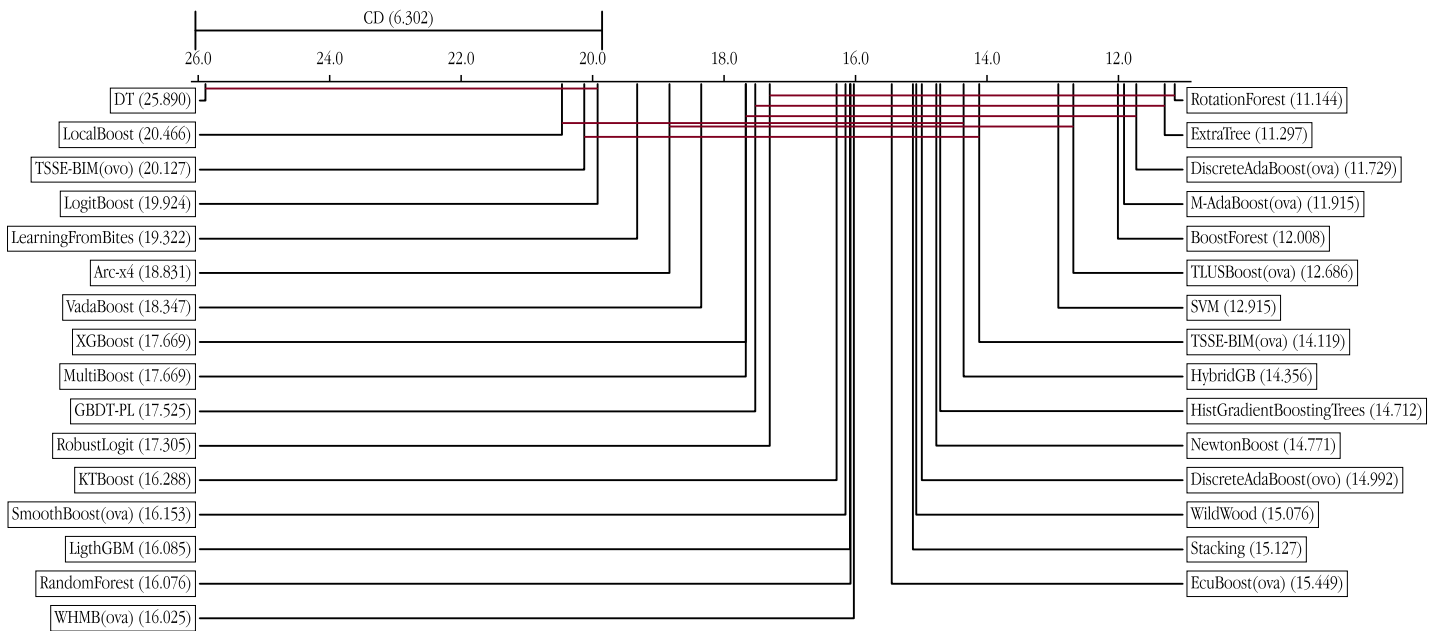


Figure 42: Nemenyi test for datasets with many classes for CEN metric.

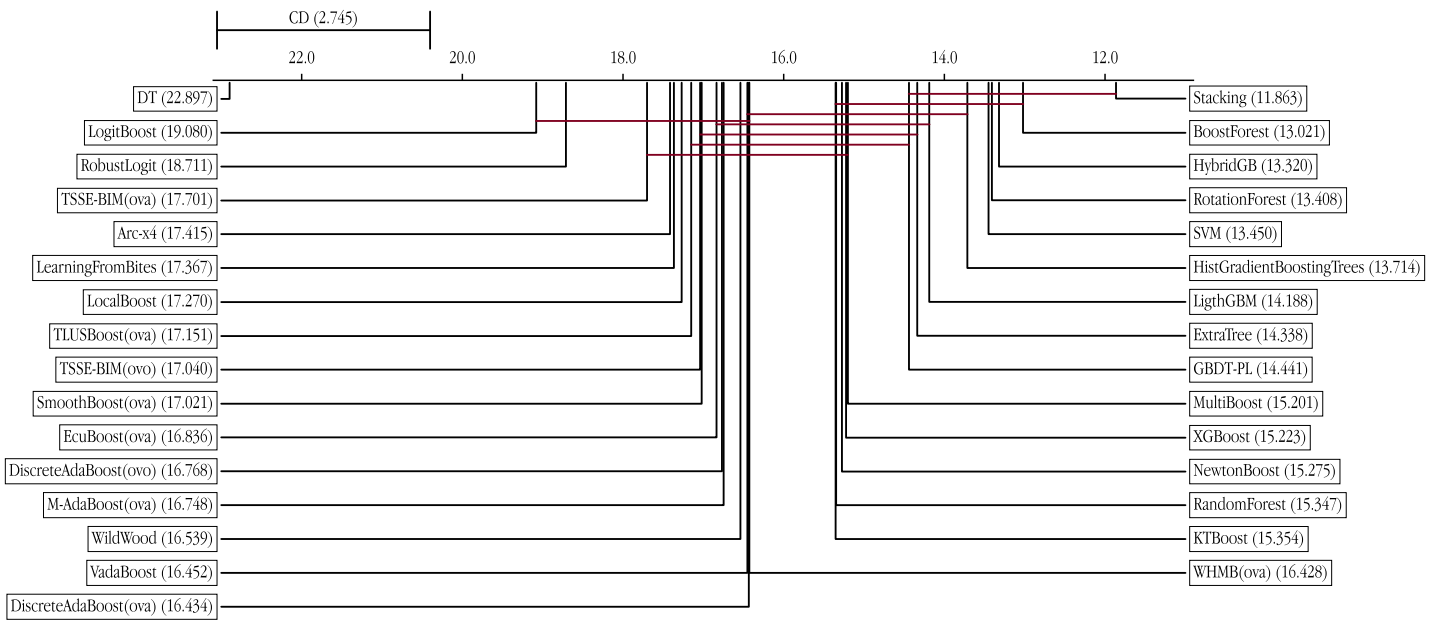


Figure 43: Nemenyi test for datasets with two classes for Error-rate metric.

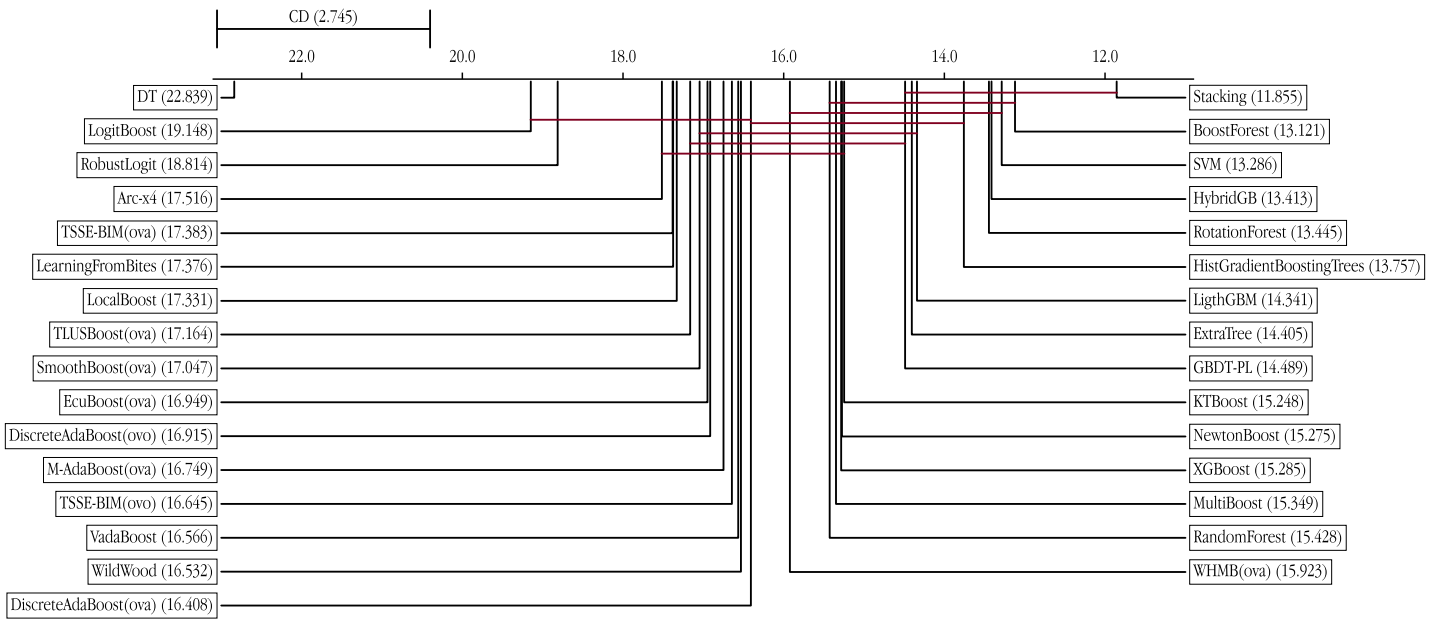


Figure 44: Nemenyi test for datasets with two classes for F1-macro metric.

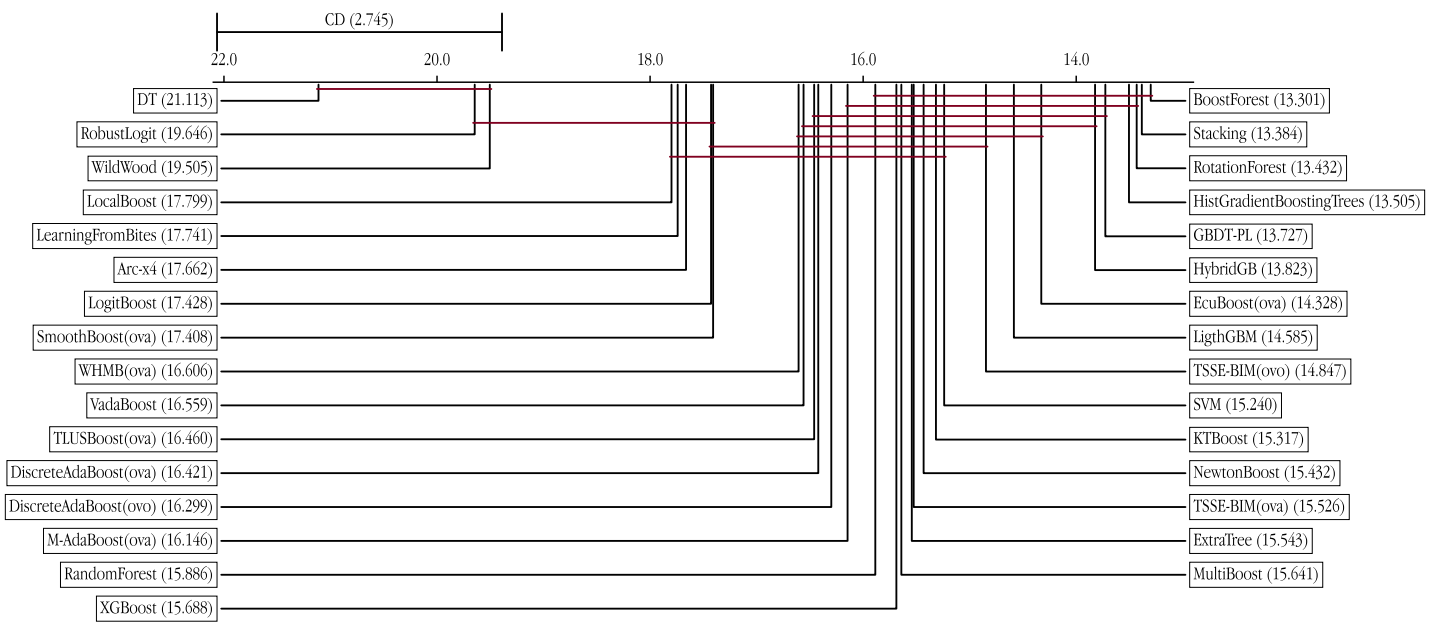


Figure 45: Nemenyi test for datasets with two classes for Kappa metric.

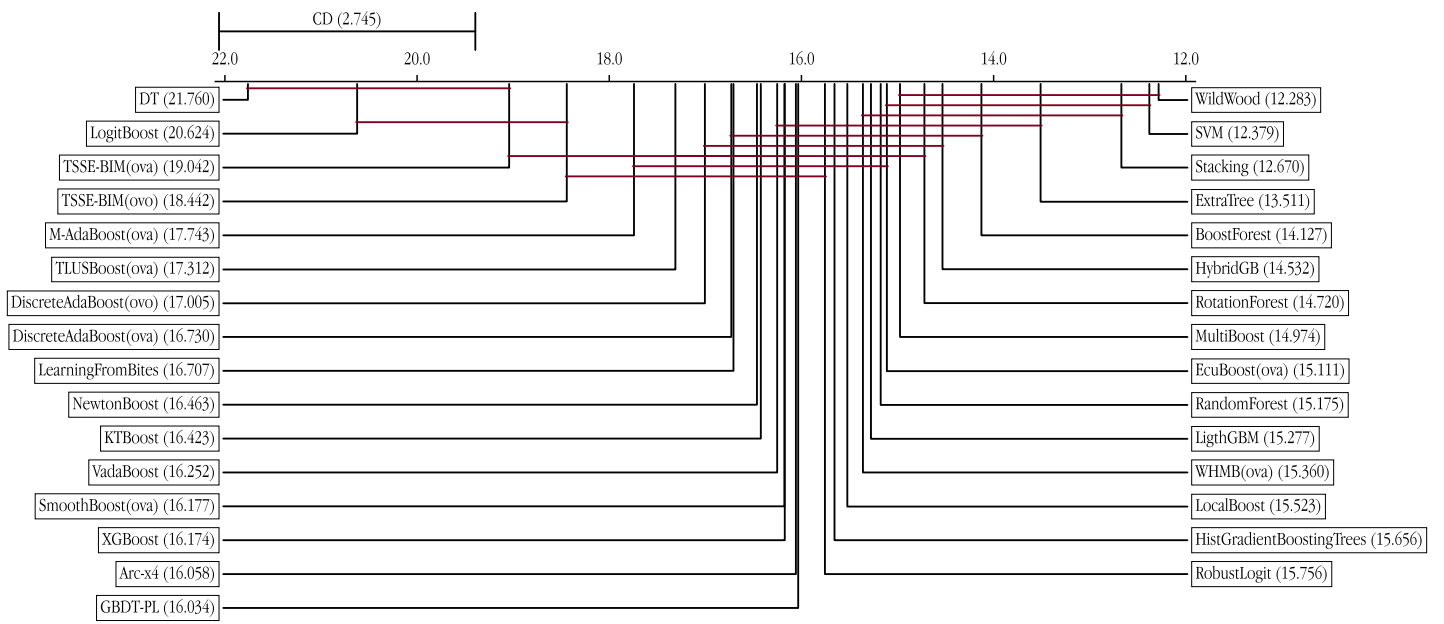


Figure 46: Nemenyi test for datasets with two classes for CEN metric.

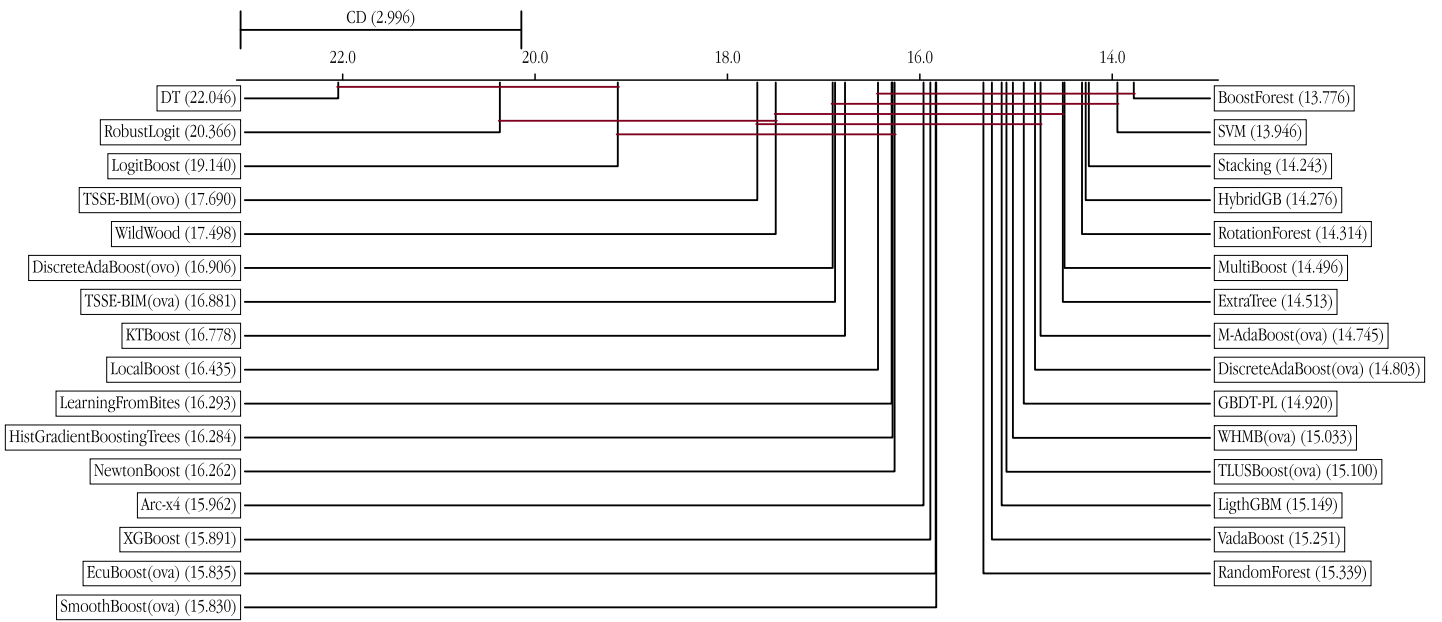


Figure 47: Nemenyi test for small datasets for Error-rate metric.

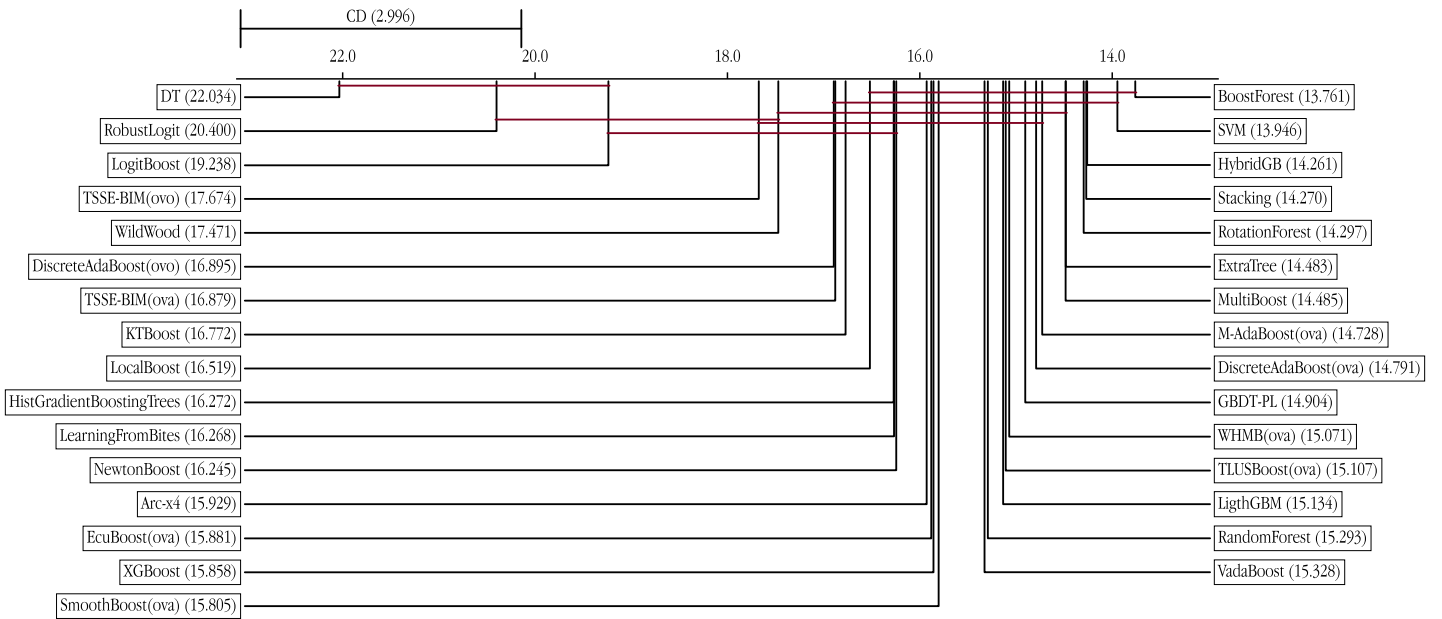


Figure 48: Nemenyi test for small datasets for F1-macro metric.

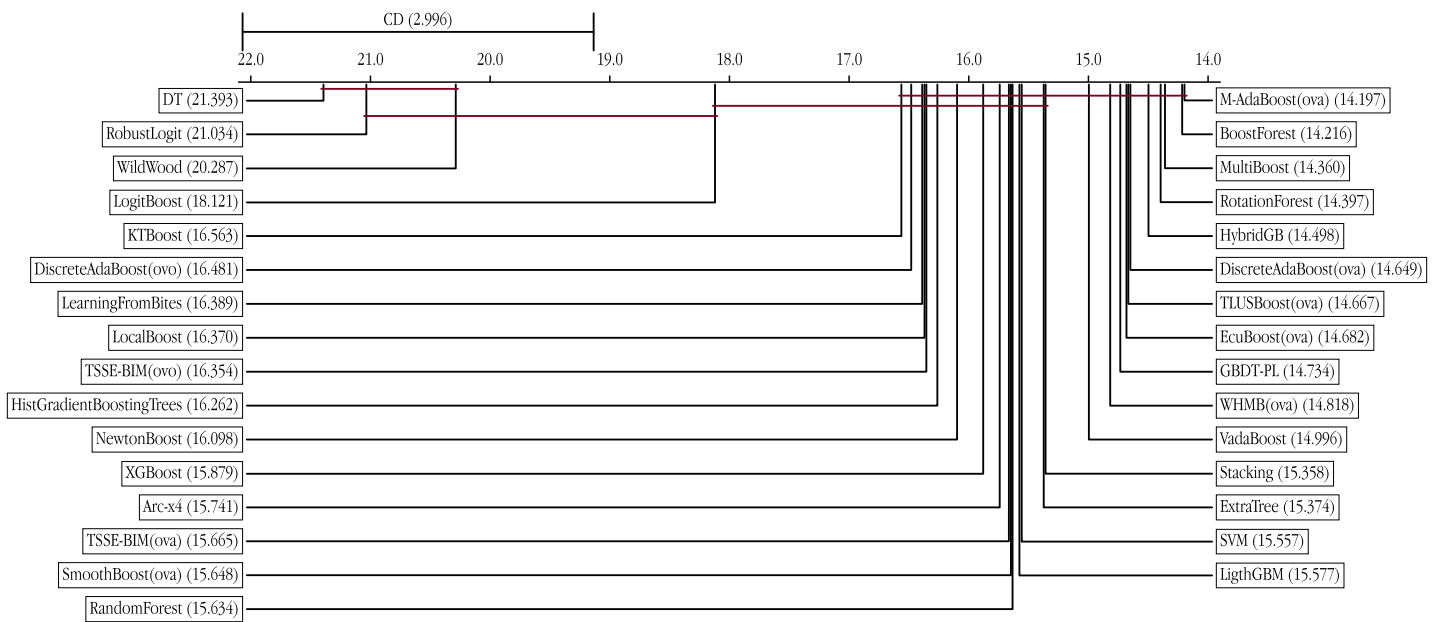


Figure 49: Nemenyi test for small datasets for Kappa metric.

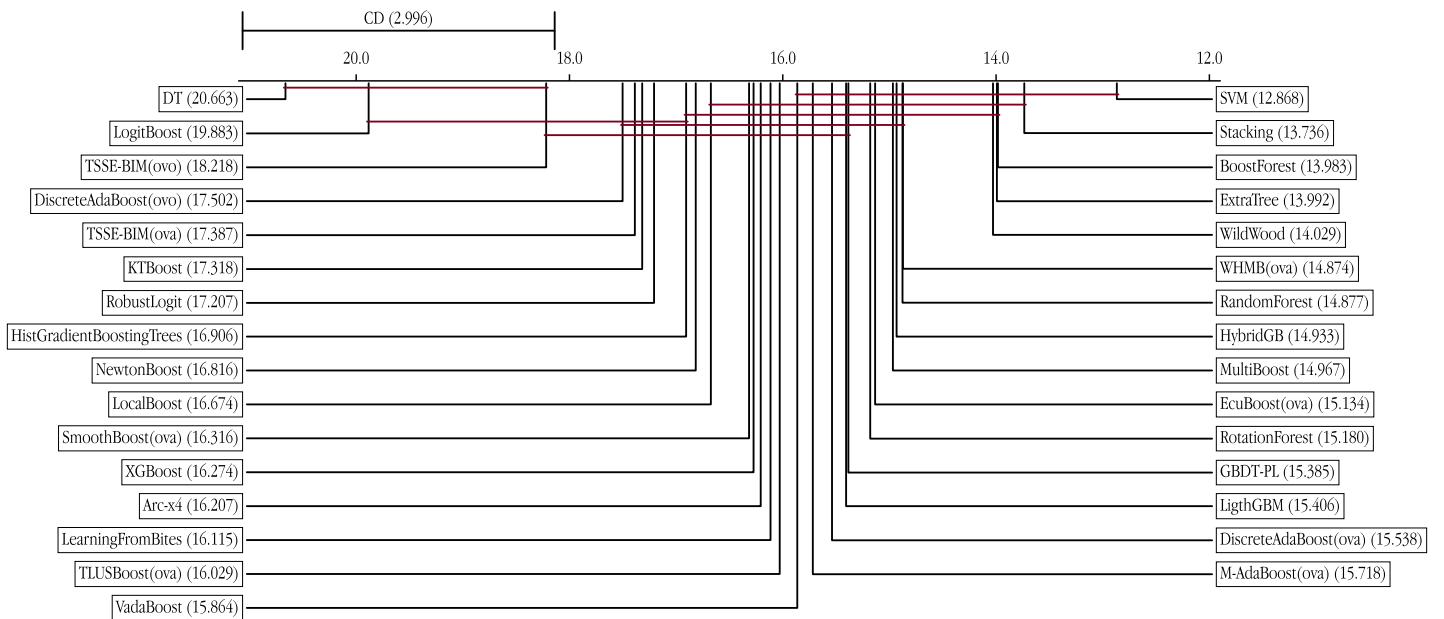


Figure 50: Nemenyi test for small datasets for CEN metric.

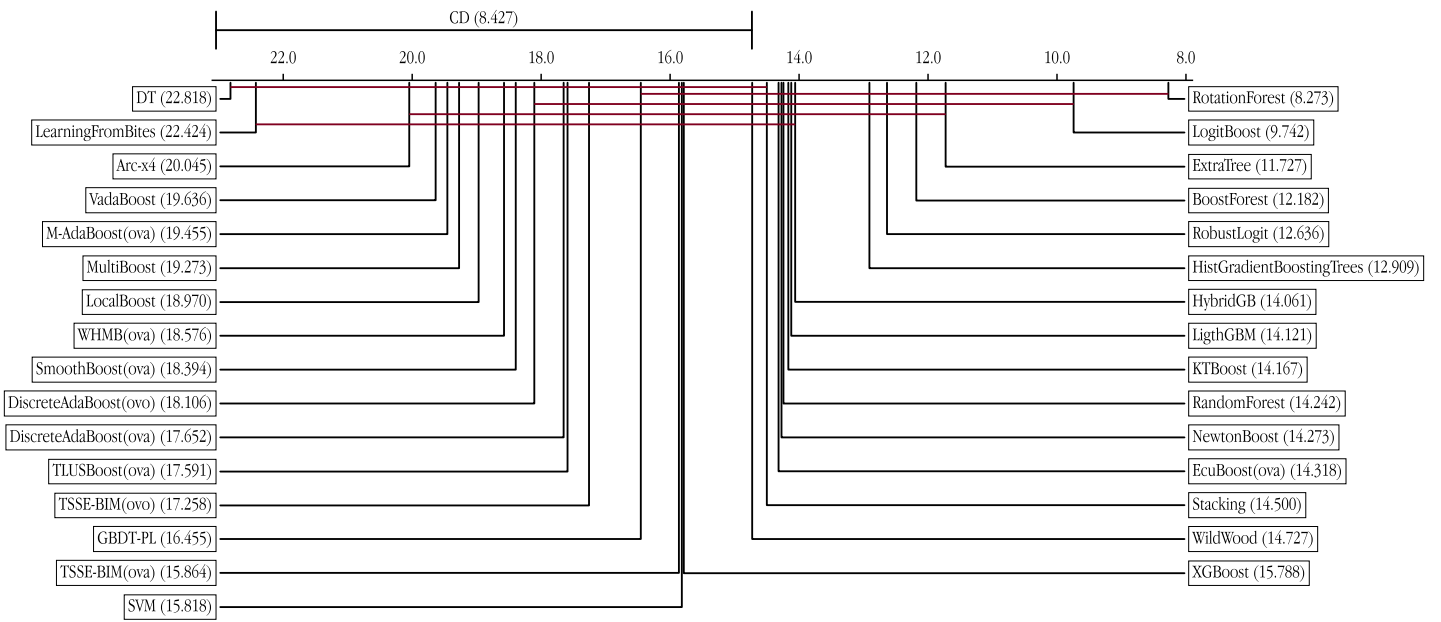


Figure 51: Nemenyi test for large datasets for Error-rate metric.

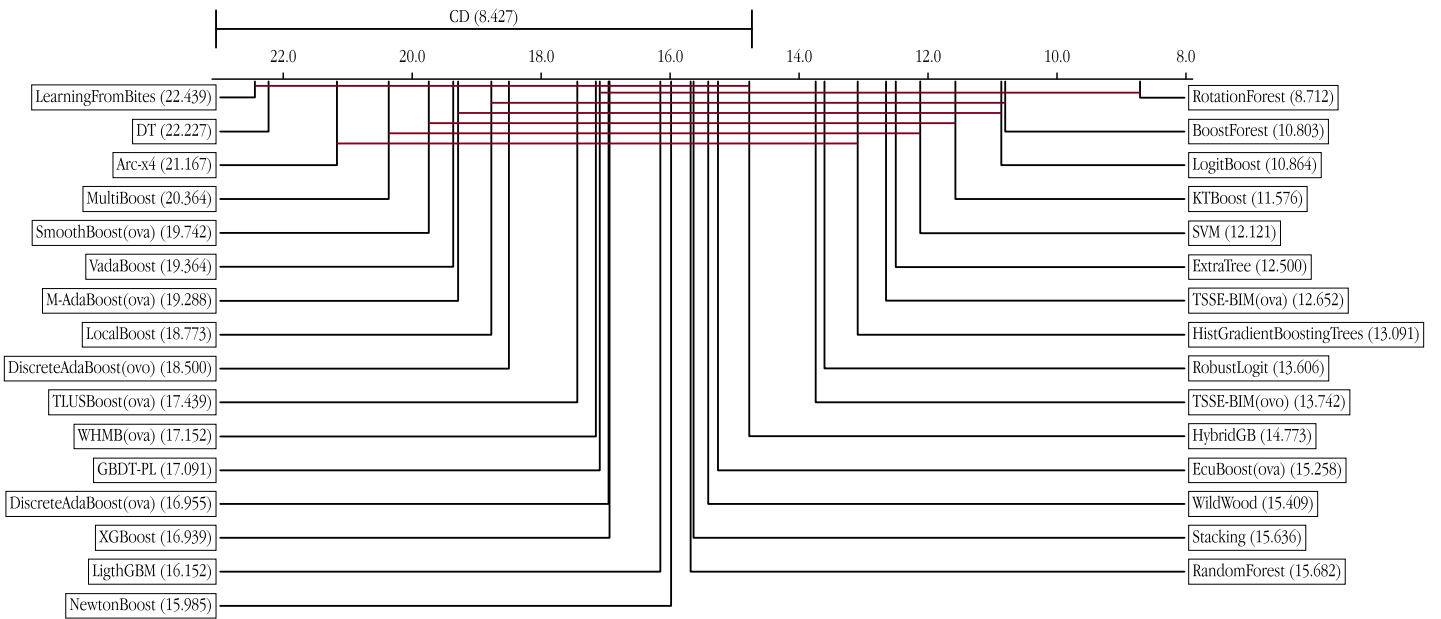


Figure 52: Nemenyi test for large datasets for F1-macro metric.

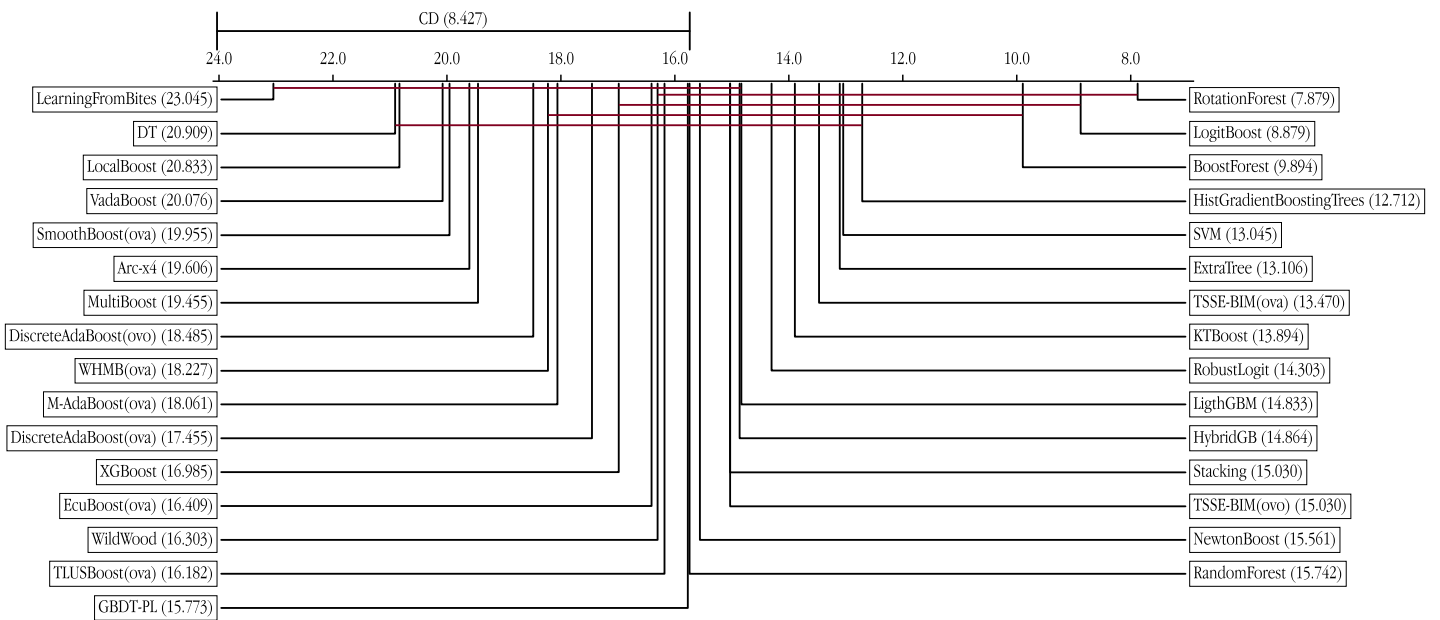


Figure 53: Nemenyi test for large datasets for Kappa metric.

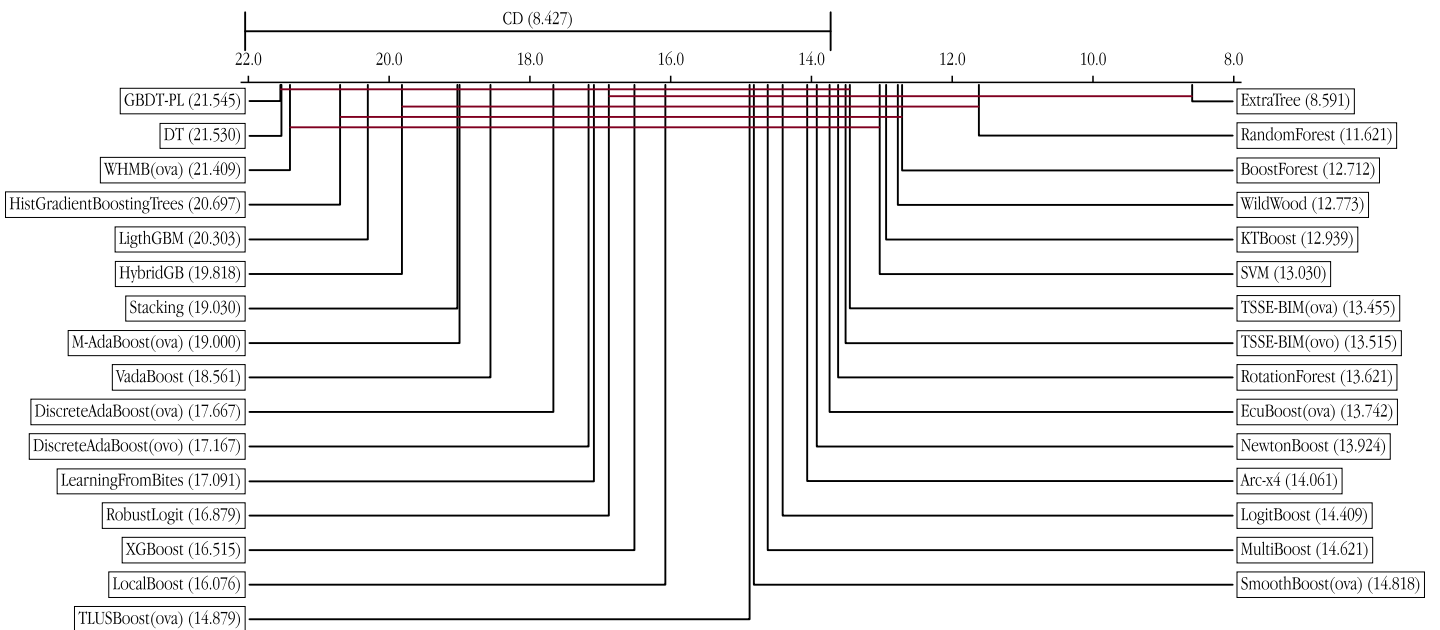
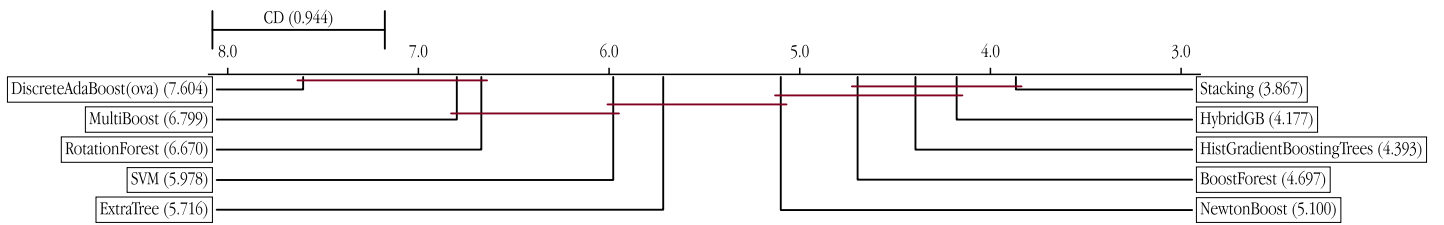
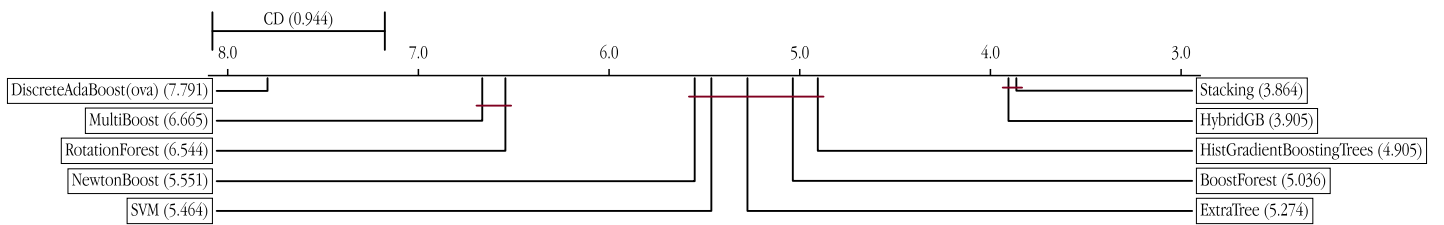


Figure 54: Nemenyi test for large datasets for CEN metric.

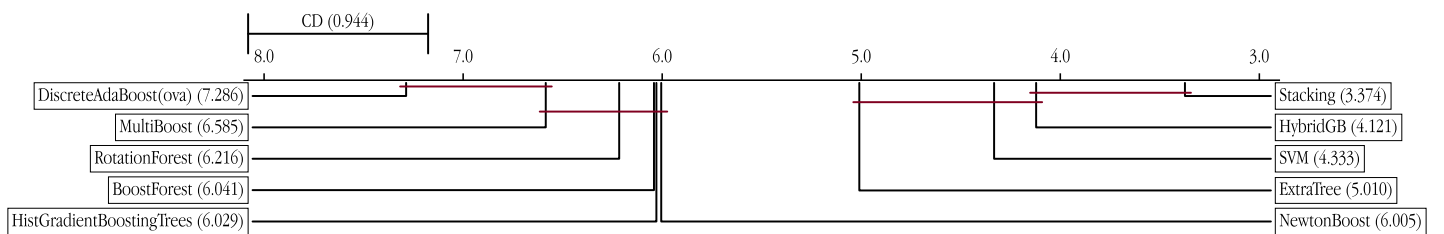




(a) Noise 5%

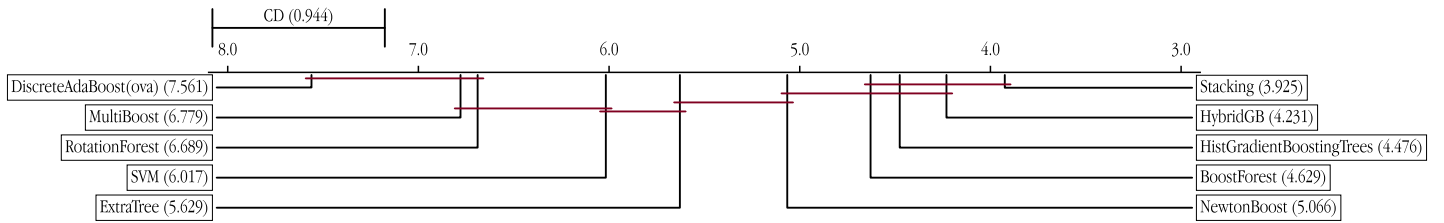


(b) Noise 10%

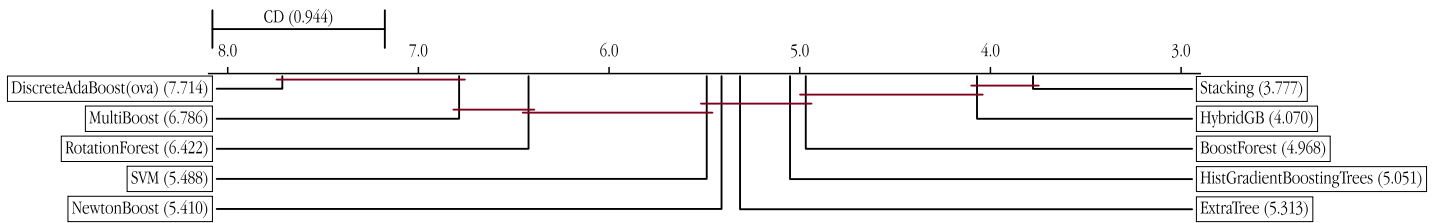


(c) Noise 20%

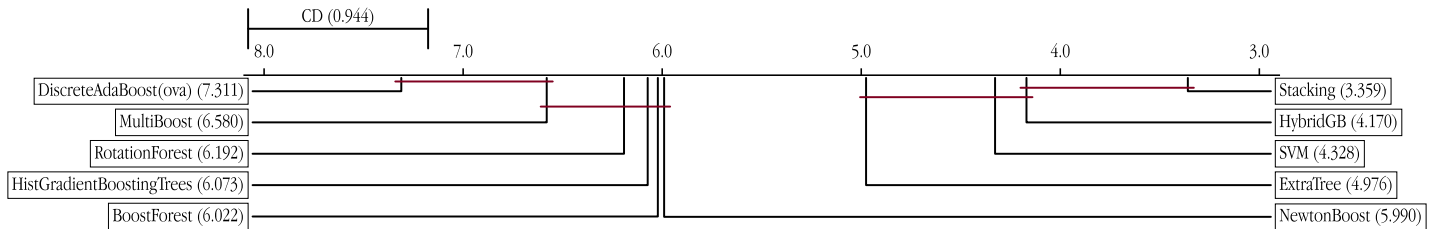
Figure 55: Nemenyi test for different ratios of noise for the Error-rate metric.



(a) Noise 5%

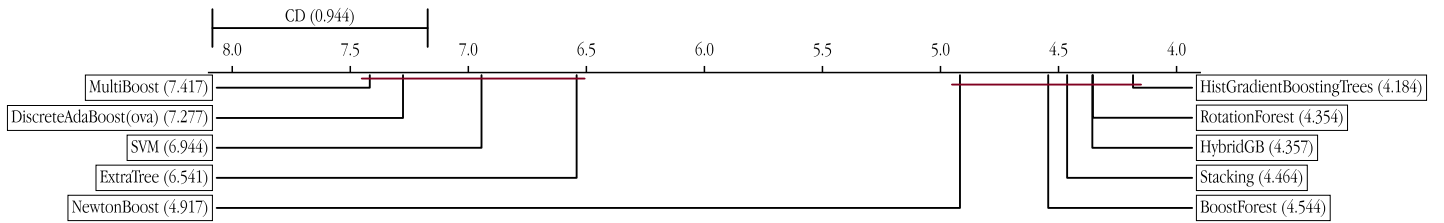


(b) Noise 10%

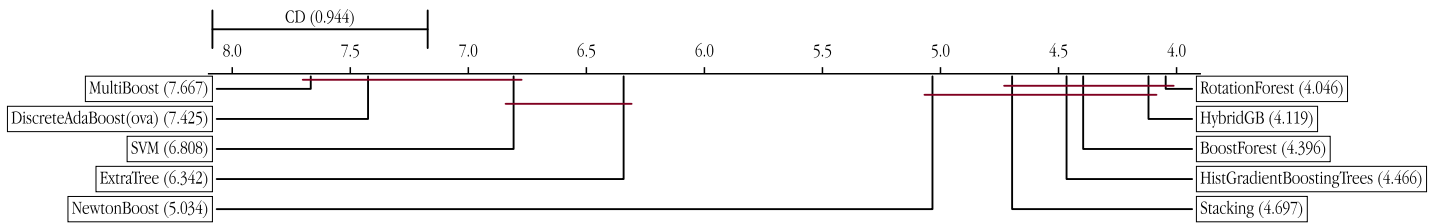


(c) Noise 20%

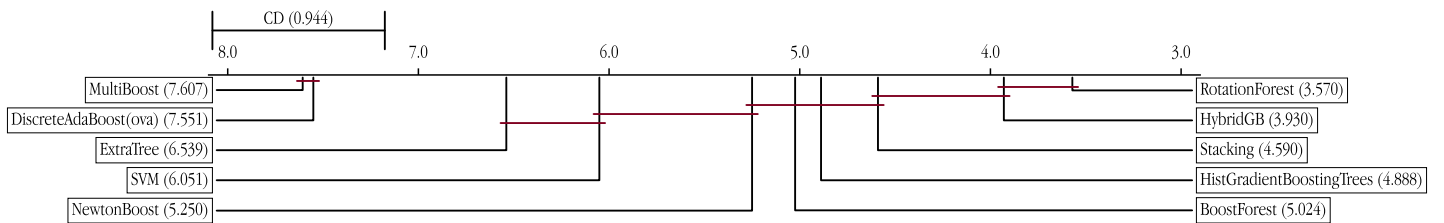
Figure 56: Nemenyi test for different ratios of noise for the F1-macro metric.



(a) Noise 5%

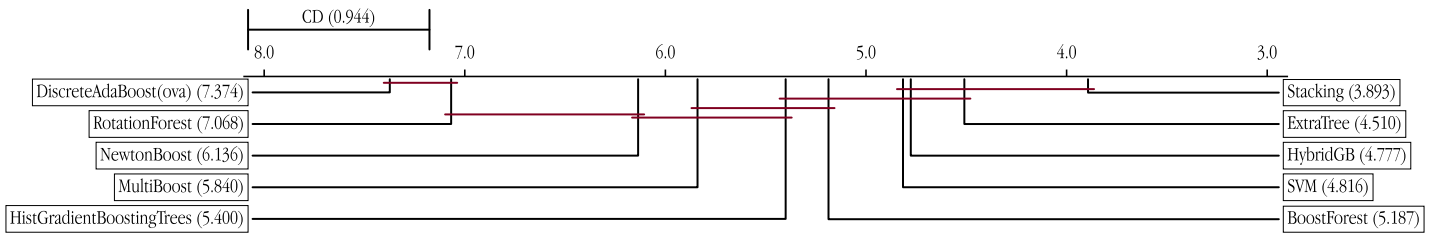


(b) Noise 10%

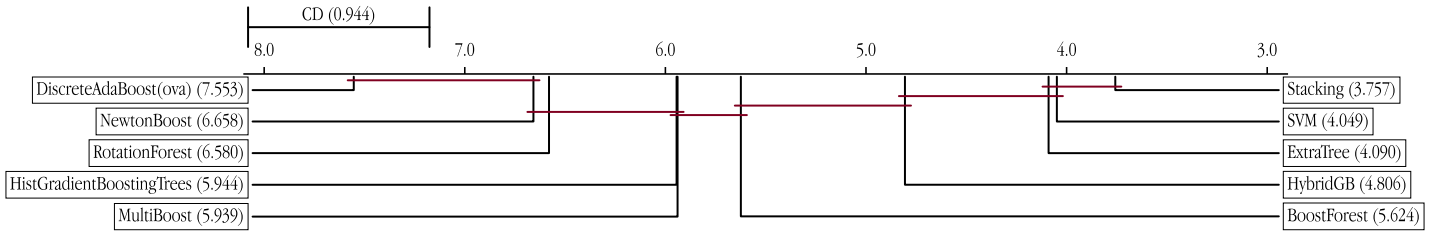


(c) Noise 20%

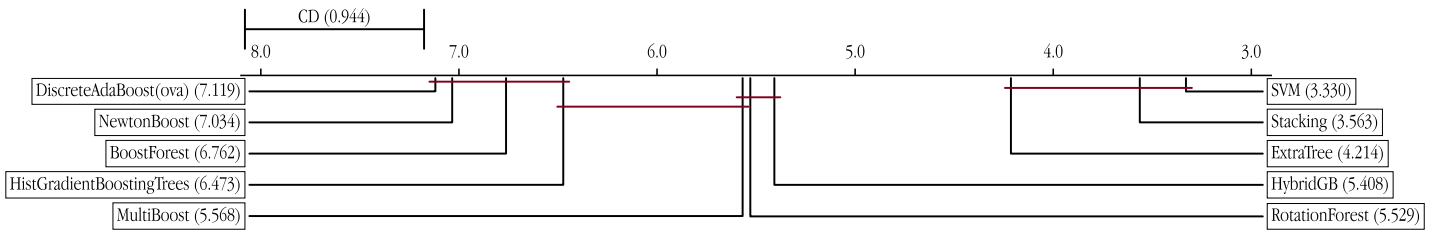
Figure 57: Nemenyi test for different ratios of noise for the Kappa metric.



(a) Noise 5%



(b) Noise 10%



(c) Noise 20%

Figure 58: Nemenyi test for different ratios of noise for the CEN metric.

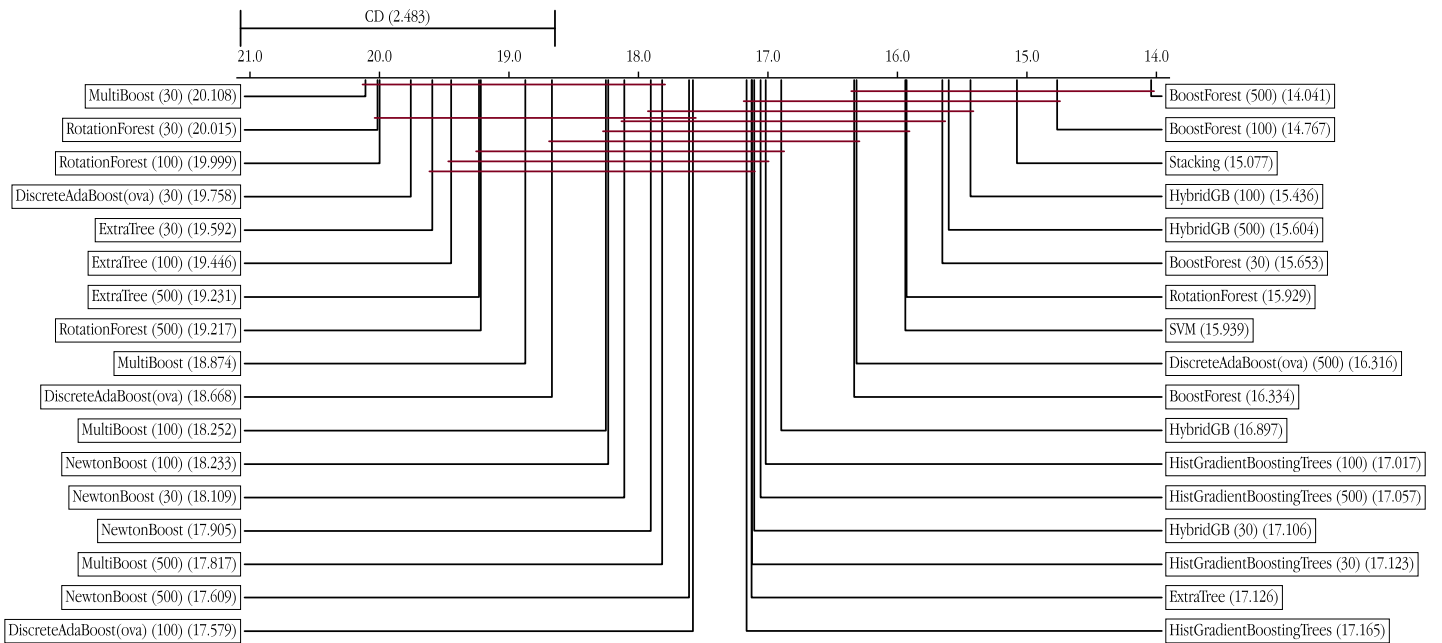


Figure 59: Nemenyi test for size datasets for Error-rate metric.

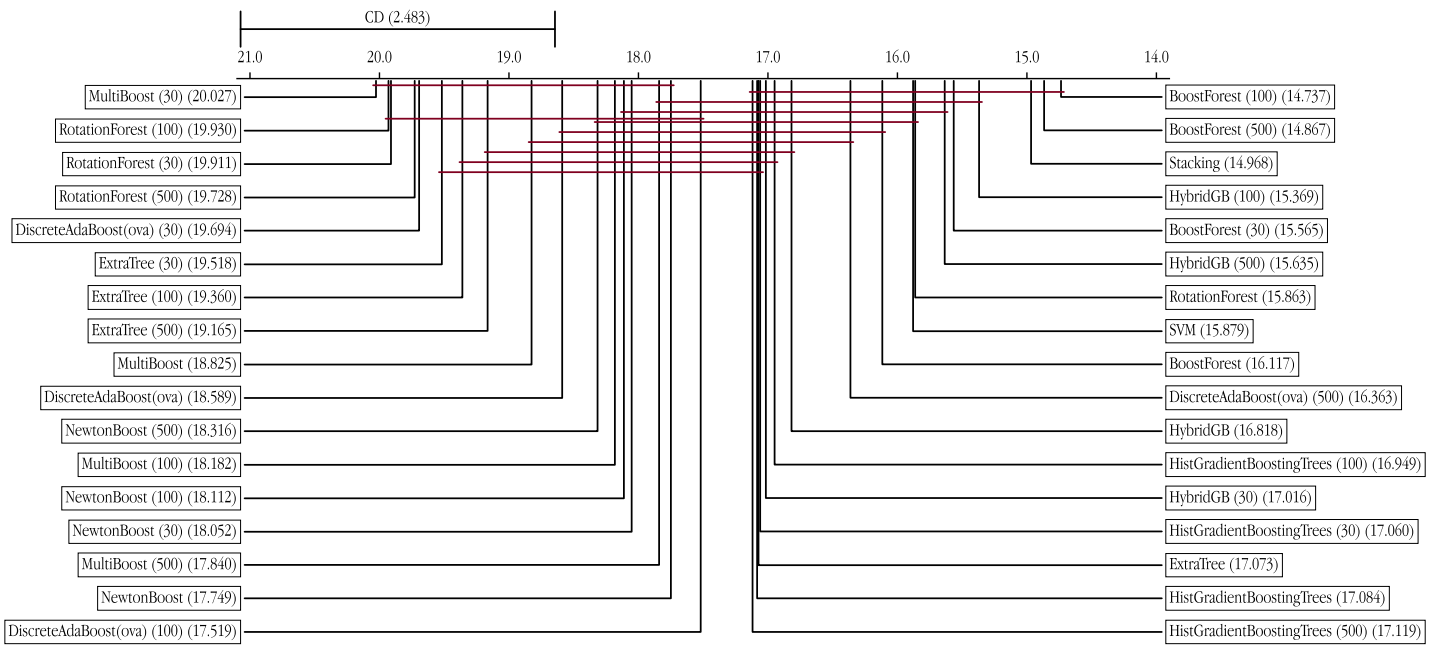


Figure 60: Nemenyi test for size datasets for F1-macro metric.

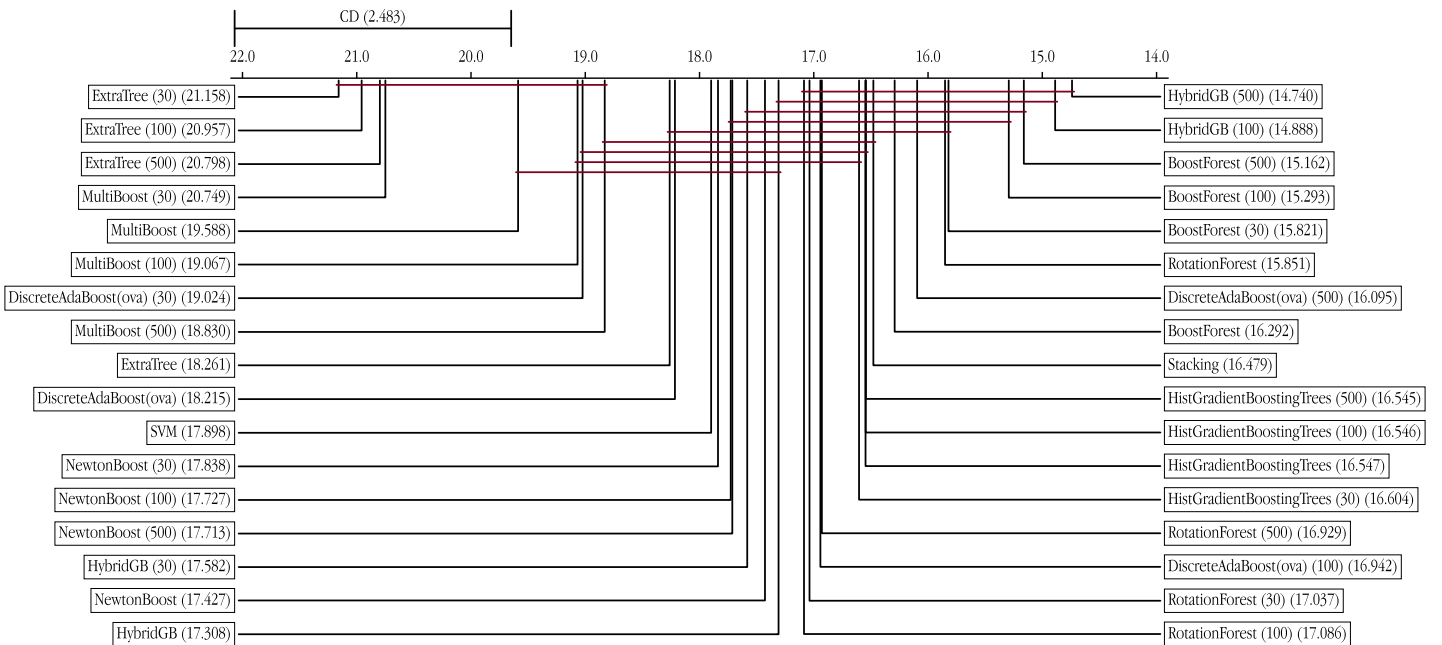


Figure 61: Nemenyi test for size datasets for Kappa metric.

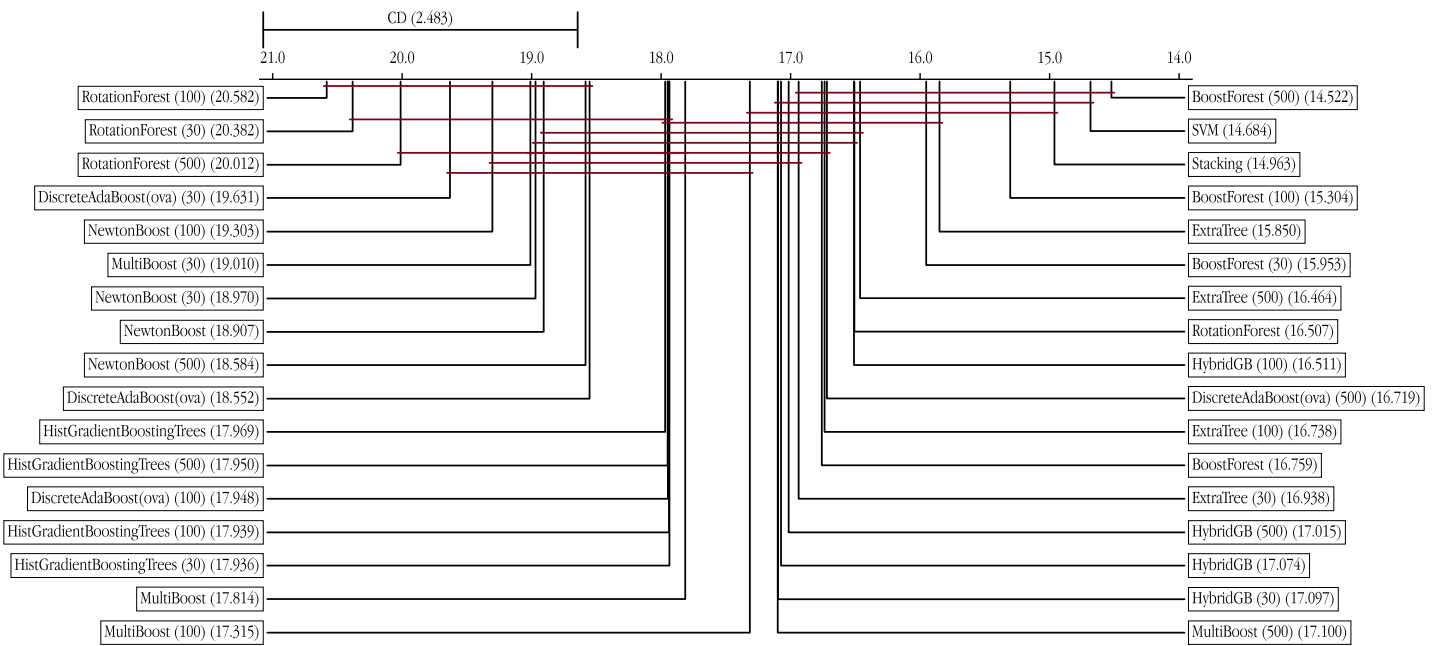


Figure 62: Nemenyi test for size datasets for CEN metric.

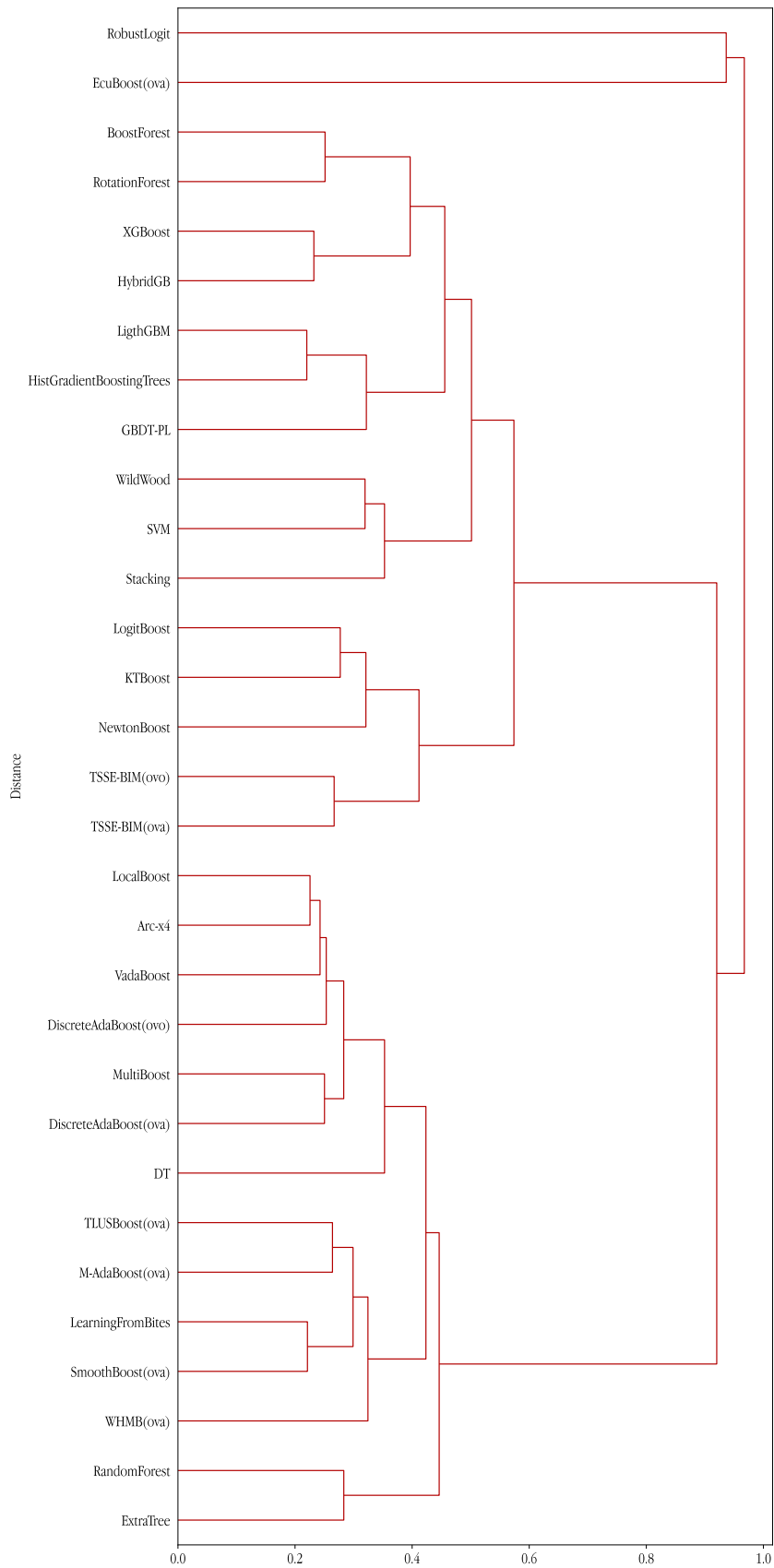


Figure 63: Clustering of the best method according to their behavior for the error-rate metric.

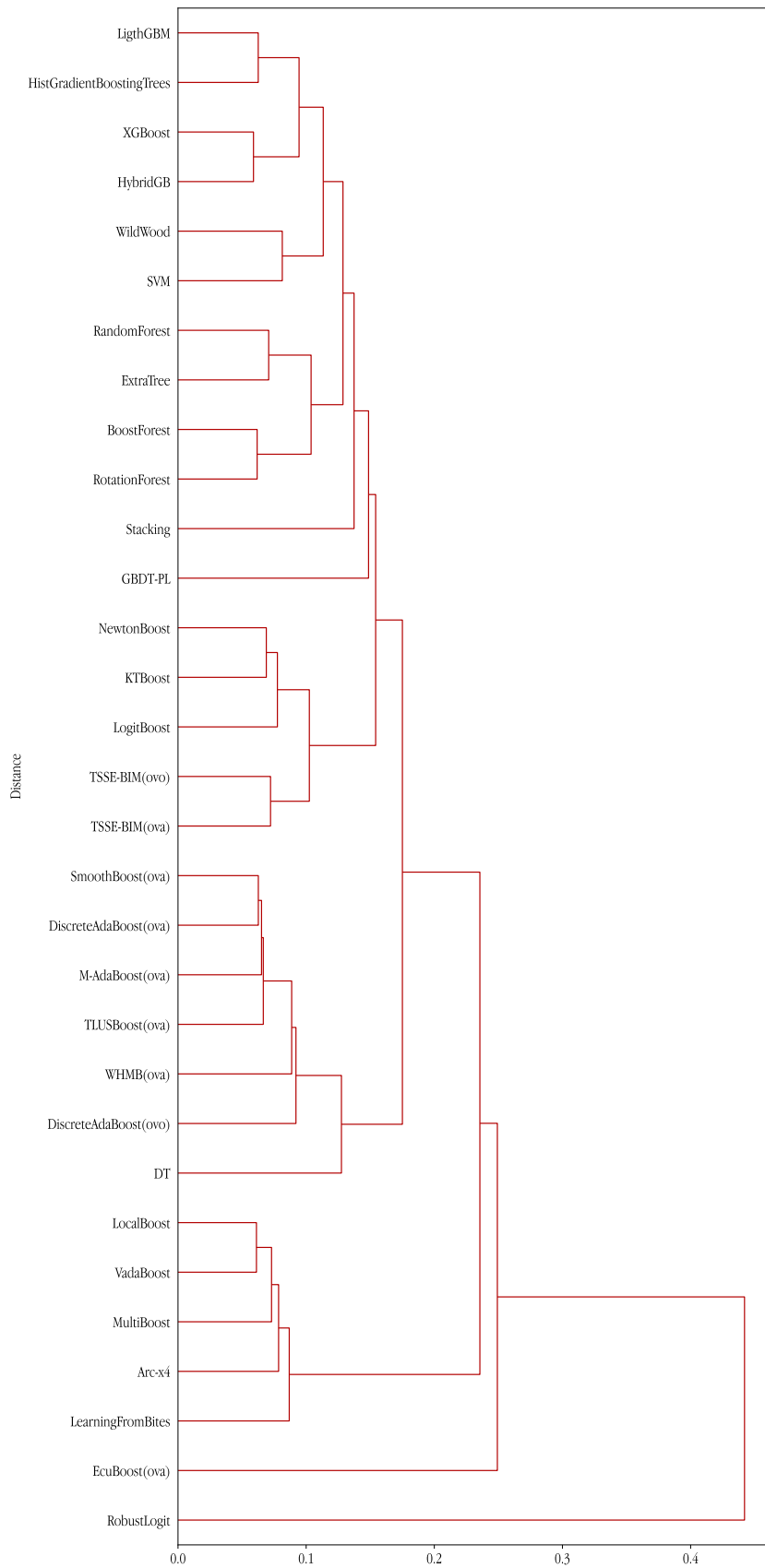


Figure 64: Clustering of the best method according to their behavior for the F1-macro metric.



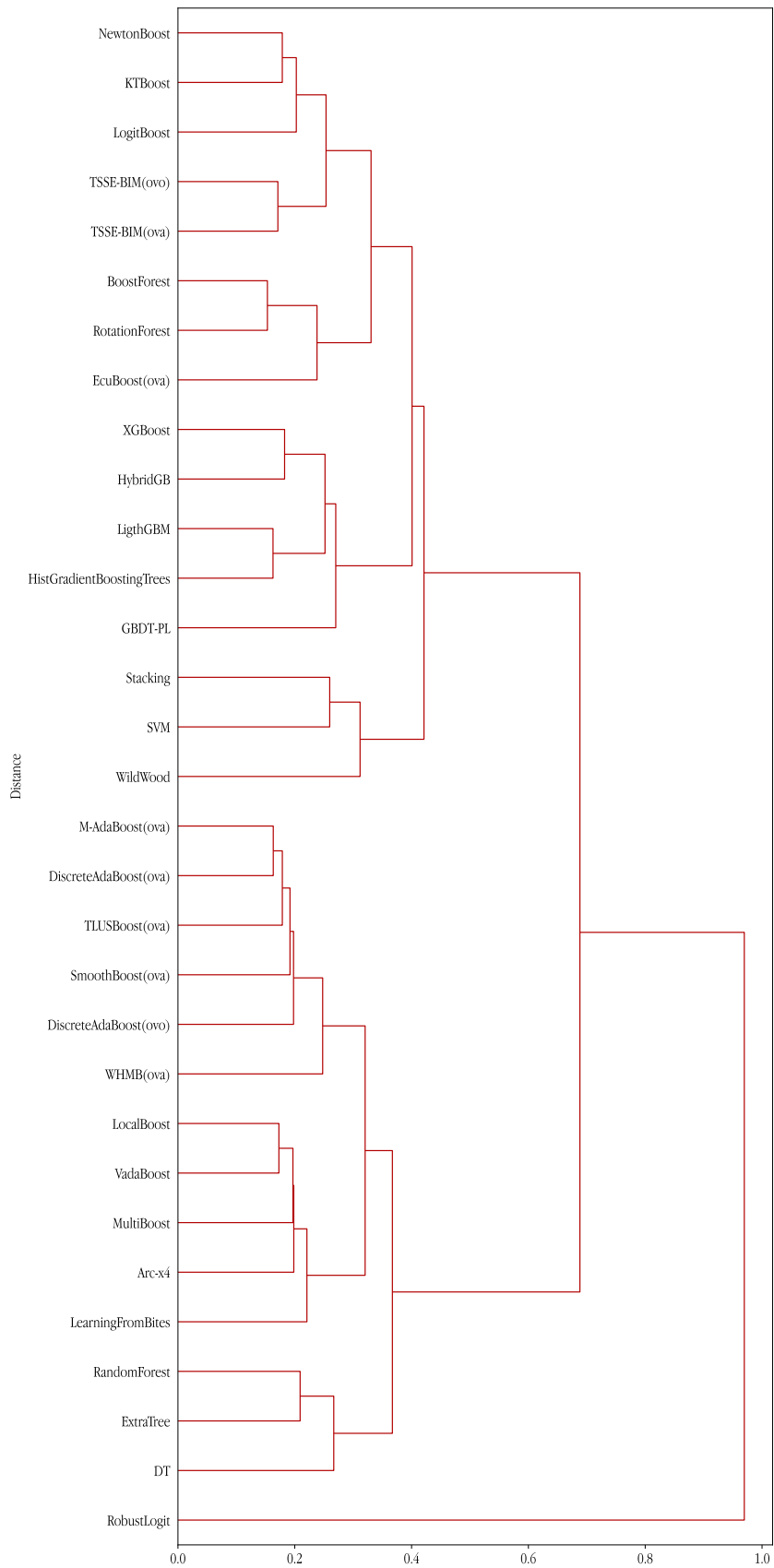


Figure 65: Clustering of the best method according to their behavior for the Kappa metric.

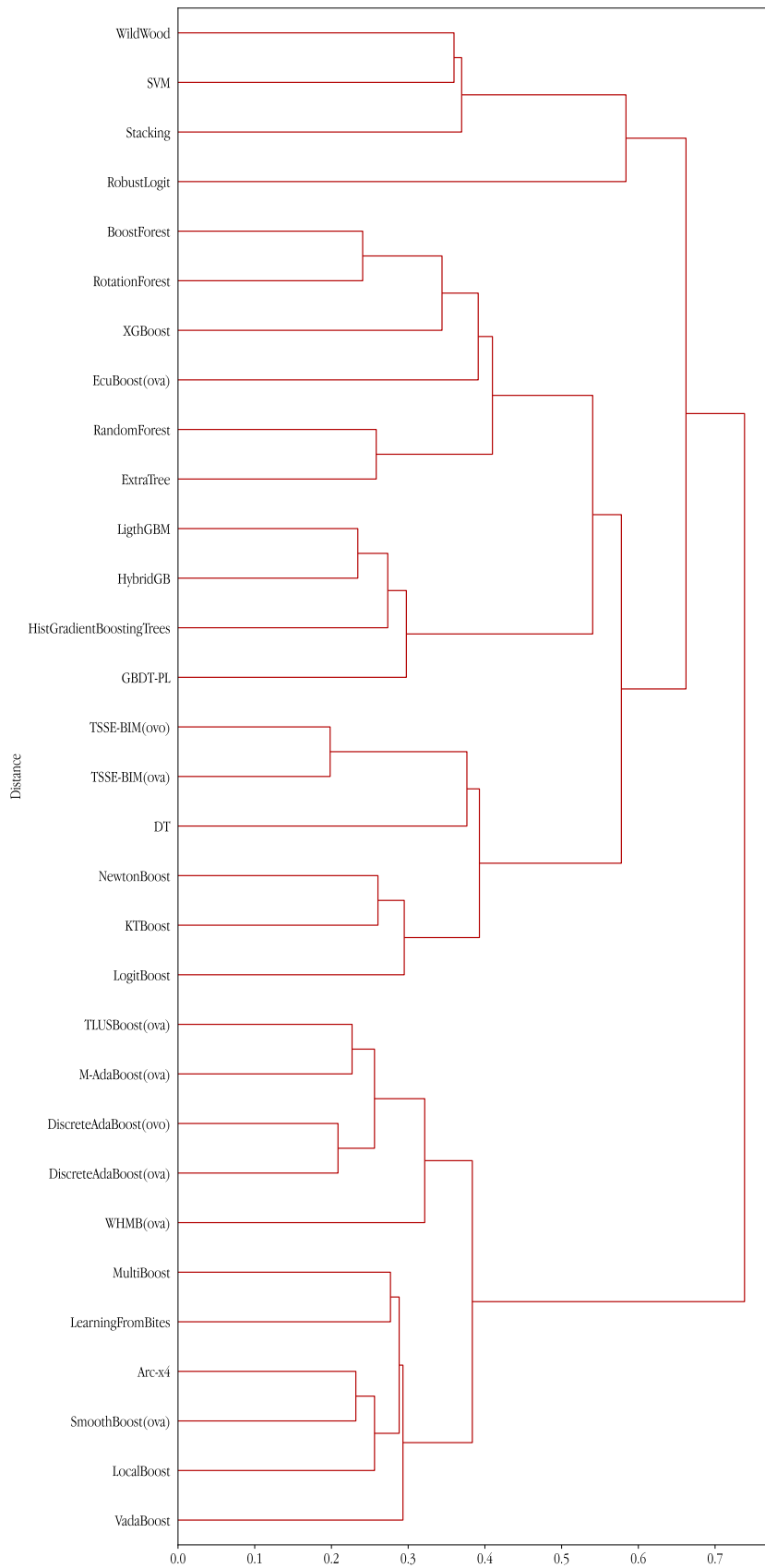


Figure 66: Clustering of the best method according to their behavior for the CEN metric.

## 4 Detailed results

Table 5: Detailed results for Random Forest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1607	0.0579	0.1607	0.0760	0.5088
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9825	0.0175	0.9825	0.1947	0.3590
ads	0.9726	0.0274	0.9726	0.8830	0.2343
adult	0.8683	0.1317	0.8683	0.6099	0.5670
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9981	0.0019	0.9981	0.6392	0.0095
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8923	0.1077	0.8923	0.6894	0.5231
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9722	0.0139	0.9722	0.9467	0.0770
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9680	0.0080	0.9680	0.9469	0.0800
anuran-species	0.9819	0.0036	0.9819	0.9749	0.0546
aps-failure	0.9921	0.0079	0.9921	0.7616	0.3183
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7333	0.0410	0.7333	0.5881	0.2821
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.9880	0.0020	0.9880	0.9844	0.0328
balance	0.8387	0.1075	0.8387	0.6990	0.3614
bank	0.9107	0.0893	0.9107	0.5292	0.5918
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6716	0.5559
basehock	0.9749	0.0251	0.9749	0.9497	0.1579
bio	0.9970	0.0030	0.9970	0.8003	0.1175
biodeg	0.8857	0.1143	0.8857	0.7553	0.4788
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9889	0.0008	0.9889	0.4202	0.1834
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.8571	0.1429	0.8571	0.6216	0.5439
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0332	0.2324
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9039	0.2002
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8639	0.0272	0.8639	0.8362	0.1604
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8081	0.3095
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6682	0.3390
cas_N6512_cdk_ECFP2	0.5530	0.4470	0.5530	0.0333	0.5652
cdc_diabetes	0.8492	0.1005	0.8492	0.1536	0.2862
census10%	0.9529	0.0471	0.9529	0.4649	0.4535
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.8843	0.0687
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6154	0.6415
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7094	0.4381
ci900367j_MACCS	0.6737	0.3263	0.6737	0.1982	0.7140
cirrhosis	0.7143	0.1905	0.7143	0.4299	0.4239
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8213	0.0894	0.8213	0.7189	0.3224
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5782	0.2812	0.5782	0.3407	0.6288
cnae-9	0.9630	0.0082	0.9630	0.9583	0.0414
codon_usage	0.8158	0.0335	0.8158	0.7740	0.2064
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	-0.0162	0.9699
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6207	0.3793	0.6207	0.2276	0.9066
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9871	0.0086	0.9871	0.6431	0.2222
cottonmeloidogyne	0.7476	0.2524	0.7476	0.4955	0.7490
coupon	0.7871	0.2129	0.7871	0.5582	0.6788
covtype	0.9607	0.0112	0.9607	0.9368	0.1085
covtypeCD	0.9901	0.0099	0.9901	0.9574	0.1039
covtypeT	0.9849	0.0151	0.9849	0.8795	0.2106
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9207	0.0264	0.9207	0.8313	0.1718
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5000	0.0250	0.5000	0.4870	0.0758
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7593	0.2407	0.7593	0.4815	0.6443
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8087	0.1913	0.8087	0.3592	0.7117
deposit	0.9036	0.0964	0.9036	0.4889	0.6024
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.8667	0.1333	0.8667	0.7333	0.4919
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.4902	0.3399	0.4902	0.0403	0.6705
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5572	0.4428	0.5572	0.1112	0.9634
dropout	0.7472	0.1685	0.7472	0.5764	0.4960
drug-01	0.3617	0.1824	0.3617	0.0185	0.4841
drug-02	0.4681	0.1520	0.4681	0.1036	0.6908
drug-03	0.6543	0.0988	0.6543	0.0067	0.4030
drug-04	0.4681	0.1520	0.4681	0.0725	0.7515
drug-05	0.7287	0.0775	0.7287	-0.0081	0.2227
drug-06	0.3298	0.1915	0.3298	0.1798	0.7082
drug-07	0.3883	0.1748	0.3883	-0.0008	0.4631
drug-08	0.5372	0.1322	0.5372	0.1305	0.5468
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5266	0.1353	0.5266	0.0842	0.5922
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.5851	0.1185	0.5851	0.1977	0.4509
drug-14	0.5957	0.1155	0.5957	0.2798	0.5529
drug-15	0.7500	0.0714	0.7500	0.1533	0.4729
drug-16	0.5851	0.1185	0.5851	0.2938	0.4593
drug-17	0.3191	0.1945	0.3191	0.0875	0.7516
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0451	0.2099
drybean	0.9229	0.0220	0.9229	0.9067	0.1268
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2382	0.0952	0.2382	0.1208	0.4052
eeg-eye	0.8652	0.1348	0.8652	0.7258	0.5194
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1667	0.7263
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.9344	0.0656	0.9344	0.8473	0.3653
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7397	0.1041	0.7397	0.6638	0.3130
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9783	0.0217	0.9783	0.9564	0.1388
fbis-wc	0.7602	0.0282	0.7602	0.7268	0.1930
fda.atompair_fp	0.7727	0.2273	0.7727	0.2254	0.3902
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5597	0.1873
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4880	0.0067	0.4880	0.4514	0.2806
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9885	0.0038	0.9885	0.9860	0.0296
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5895	0.2737	0.5895	0.0065	0.3493
gene	0.9432	0.0379	0.9432	0.9093	0.1584
german	0.7200	0.2800	0.7200	0.2911	0.7145
gina	0.8790	0.1210	0.8790	0.7579	0.4891
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7551	0.4910
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2771	0.5737
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.9186	0.0136	0.9186	0.9038	0.0938
har70	0.9196	0.0230	0.9196	0.8810	0.1185
harth10%	0.8683	0.0219	0.8683	0.8200	0.1565
hayes-roth	0.6875	0.2083	0.6875	0.5152	0.3343
hcc-survival	0.7059	0.2941	0.7059	0.4295	0.7316
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.9333	0.0667	0.9333	0.8661	0.3279
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8031	0.1969	0.8031	0.6057	0.5948
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5525	0.4475	0.5525	0.0529	0.5879
higher	0.2857	0.1786	0.2857	0.1566	0.2877
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8820	0.1180	0.8820	0.5222	0.5700
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6111	0.2593	0.6111	0.2706	0.6071
htru2	0.9799	0.0201	0.9799	0.8736	0.2146
ht-sensor	0.9998	0.0002	0.9998	0.9997	0.0016
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.2937	0.7766
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8703	0.0100	0.8703	0.8652	0.1071
jm1	0.8163	0.1837	0.8163	0.1163	0.4816
fvowels	0.9488	0.0114	0.9488	0.9419	0.0818
kc1	0.8768	0.1232	0.8768	0.3800	0.5034
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7679	0.0258	0.7679	0.7405	0.2542
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7365	0.0878	0.7365	0.6626	0.3685
la2s-wc	0.7616	0.0795	0.7616	0.6917	0.3263
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6600	0.0624
led24	0.7000	0.0600	0.7000	0.6620	0.1230
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9325	0.0052	0.9325	0.9298	0.0782
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.9444	0.0074	0.9444	0.9403	0.0273
linkage10%	1.0000	0.0000	1.0000	0.9976	0.0001
liver	0.6471	0.3529	0.6471	0.2635	0.8463
localization	0.7213	0.0507	0.7213	0.6410	0.3527
lrs	0.8113	0.0377	0.8113	0.7358	0.1371
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5231	0.4769	0.5231	0.0462	0.9809
magic04	0.8574	0.1426	0.8574	0.6801	0.5535

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7525	0.1650	0.7525	0.6261	0.4404
messidor	0.6696	0.3304	0.6696	0.3338	0.8560
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9700	0.0060	0.9700	0.9667	0.0377
mfeat-fou	0.7700	0.0460	0.7700	0.7444	0.1902
mfeat-kar	0.9300	0.0140	0.9300	0.9222	0.0858
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2017
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0672
mfeat-zer	0.7200	0.0560	0.7200	0.6889	0.1822
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4475	0.4034
mobile	0.8741	0.0045	0.8741	0.8718	0.0566
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9180	0.0820	0.9180	0.8076	0.2404
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9515	0.0485	0.9515	0.7965	0.2705
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9723
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.7316
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3993	0.8090
MUT_ci300400a	0.5952	0.4048	0.5952	0.0594	0.5622
MUT_ci300400a_cdk_ECFP2	0.5935	0.4065	0.5935	0.0318	0.5457
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9748	0.0252	0.9748	0.9495	0.1585
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9086	0.0096	0.9086	0.7230	0.2053
newspop	0.5961	0.4039	0.5961	0.1863	0.9328
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9675	0.0325	0.9675	0.9197	0.2076
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0029	0.7148
nursery	0.9961	0.0015	0.9961	0.9943	0.0108
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0673
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9010	0.0198	0.9010	0.8862	0.0871
oh10-wc	0.7524	0.0495	0.7524	0.7173	0.2116
oh15-wc	0.8370	0.0326	0.8370	0.8142	0.1523
oh5-wc	0.7582	0.0484	0.7582	0.7259	0.1957
opn310k	0.9235	0.0765	0.9235	0.4449	0.5545
opnat310k-hg16-17	0.9105	0.0895	0.9105	0.0382	0.2452
optdigits	0.9413	0.0117	0.9413	0.9347	0.0813
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9250	0.0037	0.9250	0.9231	0.0144
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9209	0.0791	0.9209	0.1984	0.5790
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9074	0.1438

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9234	0.0766	0.9234	0.8103	0.4033
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5103	0.4897	0.5103	-0.0085	0.9925
pd	0.7895	0.2105	0.7895	0.4576	0.7342
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9891	0.0022	0.9891	0.9879	0.0202
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8351	0.1649	0.8351	0.6215	0.6081
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6999	0.5365
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9633	0.0367	0.9633	0.9222	0.1956
phoneme	0.8759	0.1241	0.8759	0.6998	0.5471
phy	0.6474	0.3526	0.6474	0.2947	0.8828
pima	0.7105	0.2895	0.7105	0.3724	0.8092
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7803	0.0439	0.7803	0.5891	0.1757
polish-1st	0.9787	0.0213	0.9787	0.6061	0.0714
polish-2nd	0.9685	0.0315	0.9685	0.3245	0.0960
polish-3rd	0.9543	0.0457	0.9543	0.2113	0.4104
polish-4th	0.9684	0.0316	0.9684	0.6111	0.3297
polish-5th	0.9560	0.0440	0.9560	0.5842	0.3899
polya	0.7330	0.2670	0.7330	0.4026	0.7923
popularity	0.6045	0.2636	0.6045	0.1156	0.5618
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9894	0.0043	0.9894	0.9867	0.0309
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.7768
primary-tumor	0.4242	0.0523	0.4242	0.3482	0.2329
profb	0.7463	0.2537	0.7463	0.4314	0.7768
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9921	0.0032	0.9921	0.9894	0.0249
pufs-6410%	0.5006	0.4994	0.5006	0.0011	0.9749
raisin	0.8667	0.1333	0.8667	0.7333	0.5084
re0-wc	0.7733	0.0349	0.7733	0.7055	0.3490
re1-wc	0.8072	0.0154	0.8072	0.7790	0.1631
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9959	0.0007	0.9959	0.9896	0.0057
satimage	0.8849	0.0384	0.8849	0.8576	0.1748
satimageF	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT	0.9362	0.0638	0.9362	0.5625	0.3921
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	1.0000	0.0000	1.0000	1.0000	0.0000
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6091	0.3909	0.6091	0.2719	0.5225
segment	0.9740	0.0074	0.9740	0.9696	0.0351
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9380	0.0620	0.9380	0.1046	0.1594
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8579	0.1421	0.8579	-0.0199	0.5487
sens-2-gram	0.8763	0.1237	0.8763	0.1479	0.4234
sens-3-gram	0.8605	0.1395	0.8605	0.0391	0.5724
sens-4-gram	0.8605	0.1395	0.8605	0.1319	0.6470
sensorless	0.9918	0.0015	0.9918	0.9910	0.0158
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8881	0.1119	0.8881	0.5302	0.5944
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9788	0.0212	0.9788	0.7987	0.0728
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9986	0.0102
smk_can_187	0.7895	0.2105	0.7895	0.5778	0.6844
solar-flare	0.7770	0.0743	0.7770	0.7132	0.1697
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9413	0.0587	0.9413	0.8762	0.2928
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6038	0.0165	0.6038	0.5814	0.0940
splice-EI	0.9811	0.0189	0.9811	0.9503	0.1652
splice-IE	0.9495	0.0505	0.9495	0.8640	0.3386
sport-articles	0.8100	0.1900	0.8100	0.5992	0.6575
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8205	0.1795	0.8205	0.4005	0.7070
steel-d	0.9795	0.0205	0.9795	0.5899	0.3873
steel_industry	0.8935	0.0710	0.8935	0.8277	0.2439
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7436	0.2564	0.7436	0.4316	0.7795
steel-p	0.9179	0.0821	0.9179	0.3853	0.6193
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1415	0.5894
student-weekend	0.4000	0.2400	0.4000	0.1383	0.6750
student-workday	0.7031	0.1187	0.7031	0.1485	0.4139
susy10%	0.7653	0.2347	0.7653	0.5247	0.7244
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.4056
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.9564	0.0079	0.9564	0.9519	0.0576
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8631	0.1369	0.8631	0.6142	0.5837
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.8235	0.0882	0.8235	0.7671	0.1047
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.0540	0.9098
trec11-wc	0.8049	0.0434	0.8049	0.7563	0.1772
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5417	0.1017
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0472
trec41-wc	0.9545	0.0091	0.9545	0.9447	0.0702
trec45-wc	0.9275	0.0145	0.9275	0.9154	0.0577
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.7500	0.1250	0.7500	0.6667	0.3178
tvnews	0.9457	0.0543	0.9457	0.8817	0.2787
urban	0.8358	0.0365	0.8358	0.8076	0.1518
vehicle	0.7381	0.1310	0.7381	0.6487	0.1666
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6061	0.0716	0.6061	0.5667	0.2254
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0011	0.2421
wap-wc	0.7821	0.0218	0.7821	0.7552	0.1611
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9993	0.0002	0.9993	0.9991	0.0023
watch-gyr10%	0.9993	0.0002	0.9993	0.9992	0.0022
waveform	0.7840	0.1440	0.7840	0.6760	0.4529
web-phishing	0.8593	0.0938	0.8593	0.7493	0.3913
weight-lift	0.9975	0.0010	0.9975	0.9968	0.0084
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9855	0.0145	0.9855	0.8369	0.2405
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6730	0.1090	0.6730	0.4655	0.3517
winequality-white	0.6503	0.0999	0.6503	0.4615	0.4649
winnipeg	0.9781	0.0063	0.9781	0.9723	0.0487
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5878	0.0824	0.5878	0.4654	0.3215
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9237	0.0153	0.9237	0.9144	0.1186
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 6: Detailed results for ExtraTree

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1583	0.0580	0.1583	0.0737	0.5248
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9844	0.0156	0.9844	0.2387	0.1459
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8663	0.1337	0.8663	0.5956	0.5586
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.1120	0.9323
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0989	0.2402
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9654	0.0423
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9819	0.0045	0.9819	0.9702	0.0351
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0191
aps-failure	0.9928	0.0072	0.9928	0.7719	0.2486
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.8444	0.0239	0.8444	0.7478	0.1444
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0771
avila	0.9957	0.0007	0.9957	0.9944	0.0091
balance	0.9194	0.0538	0.9194	0.8480	0.1272
bank	0.9121	0.0879	0.9121	0.5137	0.5763
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8779	0.1221	0.8779	0.7221	0.4394
basehock	0.9849	0.0151	0.9849	0.9698	0.1051
bio	0.9968	0.0032	0.9968	0.7858	0.1187
biodeg	0.8857	0.1143	0.8857	0.7553	0.4788
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9866	0.0009	0.9866	0.1434	0.0954
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7857	0.2143	0.7857	0.4324	0.7241
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.6970	0.0779
bub10at310k-hg16-17	0.9094	0.0906	0.9094	0.0057	0.2088
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9050	0.1976
card	0.9275	0.0725	0.9275	0.8491	0.3160
cardiotocography	0.8685	0.0263	0.8685	0.8418	0.1508
cardiotocography-nsp	0.9577	0.0282	0.9577	0.8787	0.1184
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6875	0.4235
cas_N6512_cdk_ECFP2	0.5530	0.4470	0.5530	0.0333	0.5652
cdc_diabetes	0.8503	0.0998	0.8503	0.1665	0.2880
census10%	0.9529	0.0471	0.9529	0.4426	0.4229
central-nervous-system	0.3333	0.6667	0.3333	-0.5000	1.0000
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8600	0.0515
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6502	0.6084
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2192	0.6561
cirrhosis	0.6905	0.2063	0.6905	0.3710	0.4457
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8185	0.0907	0.8185	0.7138	0.3254
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5714	0.2857	0.5714	0.3209	0.6541
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0519
codon_usage	0.8450	0.0282	0.8450	0.8095	0.1649
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.7586	0.2414	0.7586	0.5085	0.7375
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6897	0.3103	0.6897	0.3680	0.6869
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.9355	0.0645	0.9355	0.8524	0.3445
column-3c	0.8065	0.1290	0.8065	0.6847	0.2903
connect-4	0.9864	0.0091	0.9864	0.6196	0.2415
cottonmeloidogyne	0.7212	0.2788	0.7212	0.4414	0.7767
coupon	0.7744	0.2256	0.7744	0.5316	0.7012
covtype	0.9651	0.0100	0.9651	0.9439	0.1003
covtypeCD	0.9940	0.0060	0.9940	0.9746	0.0721
covtypeT	0.9852	0.0148	0.9852	0.8818	0.2095
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9355	0.0215	0.9355	0.8630	0.1336
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.6250	0.0187	0.6250	0.6160	0.0440
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8270	0.1730	0.8270	0.4000	0.6406
deposit	0.9029	0.0971	0.9029	0.4755	0.6008
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.0588	0.6762
dexter	0.9000	0.1000	0.9000	0.8000	0.3911
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5403	0.3065	0.5403	0.0082	0.3985
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5659	0.4341	0.5659	0.1263	0.9571
dropout	0.7765	0.1490	0.7765	0.6229	0.4380
drug-01	0.3830	0.1763	0.3830	0.0239	0.5011
drug-02	0.5213	0.1368	0.5213	0.1762	0.6276
drug-03	0.6968	0.0866	0.6968	0.1135	0.3224
drug-04	0.5106	0.1398	0.5106	0.1212	0.5898
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3883	0.1748	0.3883	0.2292	0.5961
drug-07	0.4043	0.1702	0.4043	0.0236	0.4510
drug-08	0.5638	0.1246	0.5638	0.1478	0.4381
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5585	0.1261	0.5585	0.1396	0.4611
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6223	0.1079	0.6223	0.2249	0.3574
drug-14	0.6011	0.1140	0.6011	0.2745	0.4692
drug-15	0.7500	0.0714	0.7500	0.0009	0.2735
drug-16	0.5691	0.1231	0.5691	0.2558	0.4208
drug-17	0.3723	0.1793	0.3723	0.1371	0.5985
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7766	0.0638	0.7766	0.0381	0.1584
drybean	0.9206	0.0227	0.9206	0.9041	0.1287
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2698	0.0913	0.2698	0.1613	0.4057
eeg-eye	0.9206	0.0794	0.9206	0.8384	0.3551
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.7167	0.2833	0.7167	0.2544	0.6130
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5114	0.7052
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9344	0.0656	0.9344	0.8473	0.3653
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6712	0.1315	0.6712	0.5767	0.3051
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	0.9792	0.0208	0.9792	0.9582	0.1367
fbis-wc	0.7073	0.0344	0.7073	0.6616	0.2232
fda.atompair_fp	0.6818	0.3182	0.6818	-0.0845	0.8266
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6753	0.1510
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.7020	0.0039	0.7020	0.6858	0.2366
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9964	0.0012	0.9964	0.9956	0.0089
gastrointestinal	0.8750	0.0833	0.8750	0.8012	0.2249
gender	0.5895	0.2737	0.5895	0.0039	0.3341
gene	0.9401	0.0400	0.9401	0.9041	0.1726
german	0.7400	0.2600	0.7400	0.3418	0.6583
gina	0.9337	0.0663	0.9337	0.8674	0.3252
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7085	0.5490
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2727	0.5104
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.9579	0.0070	0.9579	0.9503	0.0577
har70	0.9361	0.0183	0.9361	0.9043	0.0975
harth10%	0.8905	0.0182	0.8905	0.8503	0.1623
hayes-roth	0.6250	0.2500	0.6250	0.4074	0.3966
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8662	0.1338	0.8662	0.7324	0.5214
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.4737	0.6644
higgs10%	0.7357	0.2643	0.7357	0.4708	0.7710
higher	0.2857	0.1786	0.2857	0.1411	0.3501
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8803	0.1197	0.8803	0.5132	0.5738
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.6389	0.2407	0.6389	0.3615	0.5853
htru2	0.9765	0.0235	0.9765	0.8517	0.2437
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0002
hypothyroid	0.9814	0.0093	0.9814	0.8830	0.0769
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7458	0.2542	0.7458	0.2324	0.6991
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8986	0.0078	0.8986	0.8945	0.0849
jm1	0.8209	0.1791	0.8209	0.1805	0.5508
fvowels	0.9799	0.0045	0.9799	0.9772	0.0356
kc1	0.8768	0.1232	0.8768	0.3800	0.5034
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2708	0.0880
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6970	0.0337	0.6970	0.6605	0.3123
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5492	0.1503	0.5492	0.3824	0.2939
la2s-wc	0.6159	0.1280	0.6159	0.4768	0.2649
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.7059	0.0147	0.7059	0.6909	0.0611
led24	0.6500	0.0700	0.6500	0.6045	0.1488
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9570	0.0033	0.9570	0.9553	0.0507
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8889	0.0148	0.8889	0.8807	0.0496
linkage10%	1.0000	0.0000	1.0000	0.9976	0.0001
liver	0.7647	0.2353	0.7647	0.4357	0.7504
localization	0.7577	0.0440	0.7577	0.6889	0.3079
lrs	0.8679	0.0264	0.8679	0.8158	0.0756
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5263	0.4308
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5000	0.5000	0.5000	0.0000	0.9424
magic04	0.8780	0.1220	0.8780	0.7232	0.4835

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6671	0.5906
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7822	0.1452	0.7822	0.6683	0.4181
messidor	0.6783	0.3217	0.6783	0.3469	0.8499
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.9444	0.0278	0.9444	0.9234	0.0743
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0547
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1588
mfeat-kar	0.9850	0.0030	0.9850	0.9833	0.0189
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1847
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0536
mfeat-zer	0.7650	0.0470	0.7650	0.7389	0.1415
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4093	0.4332
mobile	0.9231	0.0027	0.9231	0.9217	0.0353
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.8361	0.1639	0.8361	0.5906	0.3522
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9697	0.0303	0.9697	0.8750	0.1394
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.8717
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.4916
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3993	0.8090
MUT_ci300400a	0.5952	0.4048	0.5952	0.0578	0.5291
MUT_ci300400a_cdk_ECFP2	0.5947	0.4053	0.5947	0.0352	0.5453
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9758	0.0242	0.9758	0.9516	0.1535
nci9	0.8333	0.0370	0.8333	0.8065	0.0000
ncRNA10%	0.9393	0.0064	0.9393	0.8311	0.2861
newspop	0.6559	0.3441	0.6559	0.3051	0.8729
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9655	0.0345	0.9655	0.9148	0.2197
NPHA-doctor-visits	0.4583	0.3611	0.4583	-0.0263	0.6866
nursery	0.9954	0.0019	0.9954	0.9932	0.0121
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0810
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8911	0.0218	0.8911	0.8747	0.1009
oh10-wc	0.6952	0.0610	0.6952	0.6495	0.2319
oh15-wc	0.8261	0.0348	0.8261	0.8020	0.1635
oh5-wc	0.7912	0.0418	0.7912	0.7630	0.1562
opn310k	0.9102	0.0898	0.9102	0.0276	0.2329
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.9733	0.0053	0.9733	0.9703	0.0374
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9289	0.0711	0.9289	0.1647	0.3724
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8837	0.1471

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9350	0.0650	0.9350	0.8408	0.3675
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9009	0.0991	0.9009	-0.0409	0.6902
pcmac	0.5515	0.4485	0.5515	-0.0402	0.8620
pd	0.7895	0.2105	0.7895	0.4182	0.7455
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9936	0.0013	0.9936	0.9929	0.0119
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8608	0.1392	0.8608	0.6842	0.5526
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9081
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7471	0.4811
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9714	0.0286	0.9714	0.9397	0.1676
phoneme	0.9111	0.0889	0.9111	0.7758	0.4265
phy	0.7022	0.2978	0.7022	0.4040	0.8113
pima	0.7368	0.2632	0.7368	0.4006	0.6803
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.7798	0.0440	0.7798	0.5853	0.1557
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9551	0.0449	0.9551	0.3364	0.3581
polish-5th	0.9475	0.0525	0.9475	0.4829	0.4456
polya	0.7168	0.2832	0.7168	0.3025	0.7361
popularity	0.6656	0.2230	0.6656	0.2226	0.4711
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9923	0.0031	0.9923	0.9904	0.0225
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.8487
primary-tumor	0.4848	0.0468	0.4848	0.4180	0.2152
profb	0.7463	0.2537	0.7463	0.4180	0.7815
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7200	0.4011
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9957	0.0017	0.9957	0.9942	0.0142
pufs-6410%	0.5044	0.4956	0.5044	0.0086	0.9720
raisin	0.9000	0.1000	0.9000	0.8000	0.4045
re0-wc	0.6867	0.0482	0.6867	0.5661	0.3656
re1-wc	0.6024	0.0318	0.6024	0.5348	0.1618
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6546	0.3454	0.6546	0.2703	0.8811
RT_IOT2022	0.9930	0.0012	0.9930	0.9825	0.0077
satimage	0.9005	0.0332	0.9005	0.8768	0.1554
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9378	0.0622	0.9378	0.5768	0.3875
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9560
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.6294	0.3706	0.6294	0.3067	0.5281
segment	0.9654	0.0099	0.9654	0.9595	0.0491
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-2-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-3-gram	0.8711	0.1289	0.8711	0.1116	0.4810
sens-4-gram	0.8605	0.1395	0.8605	0.0391	0.5724
sensorless	0.9990	0.0002	0.9990	0.9989	0.0023
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8994	0.1006	0.8994	0.5719	0.5471
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9708	0.0292	0.9708	0.7038	0.0927
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9990	0.0081
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.7842	0.0719	0.7842	0.7233	0.1873
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9457	0.0543	0.9457	0.8854	0.2754
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.6604	0.0142	0.6604	0.6405	0.0894
splice-EI	0.9748	0.0252	0.9748	0.9331	0.1912
splice-IE	0.9495	0.0505	0.9495	0.8628	0.3352
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8872	0.1128	0.8872	0.6194	0.4969
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9001	0.0666	0.9001	0.8376	0.2282
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8205	0.1795	0.8205	0.5865	0.6239
steel-p	0.9385	0.0615	0.9385	0.5390	0.5226
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.6154	0.2564	0.6154	0.3868	0.5042
student-weekend	0.4154	0.2338	0.4154	0.1880	0.6522
student-workday	0.7031	0.1187	0.7031	0.1118	0.3279
susy10%	0.8010	0.1990	0.8010	0.5942	0.6435
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.9167	0.0833	0.9167	0.7477	0.4300
texture	0.9800	0.0036	0.9800	0.9779	0.0297
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8714	0.1286	0.8714	0.6259	0.5376
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	-0.0830	0.9027
trec11-wc	0.7317	0.0596	0.7317	0.6594	0.2417
trec12-wc	0.8710	0.0323	0.8710	0.8412	0.0862

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.7876	0.0734
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0515
trec41-wc	0.9545	0.0091	0.9545	0.9444	0.0578
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0298
tuandromd	0.9865	0.0135	0.9865	0.9582	0.1317
turkish	0.8250	0.0875	0.8250	0.7667	0.2373
tvnews	0.9062	0.0938	0.9062	0.7935	0.4060
urban	0.8209	0.0398	0.8209	0.7885	0.1501
vehicle	0.7738	0.1131	0.7738	0.6939	0.1880
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.7475	0.0459	0.7475	0.7222	0.1540
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.9097	0.0903	0.9097	0.0150	0.2184
wap-wc	0.4551	0.0545	0.4551	0.3420	0.2309
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9989	0.0003	0.9989	0.9987	0.0035
watch-gyr10%	0.9991	0.0003	0.9991	0.9990	0.0027
waveform	0.8360	0.1093	0.8360	0.7540	0.3753
web-phishing	0.8667	0.0889	0.8667	0.7628	0.3860
weight-lift	0.7475	0.1010	0.7475	0.6829	0.1949
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8369	0.2405
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7107	0.0964	0.7107	0.5232	0.2917
winequality-white	0.6585	0.0976	0.6585	0.4616	0.3612
winnipeg	0.9967	0.0010	0.9967	0.9958	0.0147
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.6014	0.0797	0.6014	0.4840	0.3157
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9462	0.0108	0.9462	0.9398	0.0840
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 7: Detailed results for RealAdaBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1251	0.0661	0.1081	0.0143	0.6408
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.9041	0.0959	0.9041	0.1718	0.6407
accelerometer	0.9725	0.0275	0.9725	0.3093	0.5715
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8301	0.1699	0.8301	0.5049	0.6733
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.6944	0.3056	0.6944	-0.1786	0.7728
AID_1431	0.8254	0.1746	0.8254	-0.0124	0.6978
AID1608Morered	0.8835	0.1165	0.8835	0.0804	0.6801
AID1608red	0.8641	0.1359	0.8641	-0.0713	0.6176
AID_1878	0.7619	0.2381	0.7619	0.2714	0.7732
AID362red	0.9766	0.0234	0.9766	-0.0113	0.5794
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9978	0.0022	0.9978	0.2343	0.4896
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9910	0.0090	0.9910	-0.0040	0.4041
AID600_MACCS	0.5676	0.4324	0.5676	0.1395	0.9298
AID_602330	0.8646	0.1354	0.8646	-0.0612	0.4898
AID604	0.9994	0.0006	0.9994	0.9140	0.2373
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.1994	0.5258
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8081	0.1279	0.8081	0.0557	0.6476
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9882	0.0118	0.9882	-0.0040	0.5155
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9980	0.0020	0.9980	-0.0010	0.5055
AID746red	0.9898	0.0102	0.9898	0.2027	0.5445
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9555	0.0223	0.9555	0.9151	0.1633
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9360	0.0160	0.9360	0.8930	0.1668
anuran-species	0.9417	0.0117	0.9417	0.9192	0.1510
aps-failure	0.9889	0.0111	0.9889	0.6833	0.4329
arcene	0.8000	0.2000	0.8000	0.5652	0.6314
arrhythmia	0.7111	0.0444	0.7111	0.5625	0.2389
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8204	0.0079	0.8289	0.8083	0.0342
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9775	0.0038	0.9775	0.9708	0.0783
balance	0.7742	0.1505	0.7742	0.6128	0.4382
bank	0.8878	0.1122	0.8878	0.4503	0.6550
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8733	0.1267	0.8733	0.7174	0.4973
basehock	0.9598	0.0402	0.9598	0.9196	0.2266
bio	0.9953	0.0047	0.9953	0.7420	0.4064
biodeg	0.8190	0.1810	0.8190	0.6145	0.6403
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9840	0.0138	0.9970	0.3755	0.5726
block10%	0.9999	0.0001	0.9999	0.9928	0.0211
block10%	0.9999	0.0001	0.9999	0.9928	0.0211
breast-cancer	0.6071	0.3929	0.6071	0.0723	0.9102
breast-cancer-co	0.9091	0.0909	0.9091	0.8197	0.3145
breast-cancer-ma	0.6364	0.3636	0.6364	0.2903	0.8322
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8897	0.0427	0.9147	0.8649	0.0880
bub10at310k-hg16-17	0.8848	0.1152	0.8848	0.2924	0.6852
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9828	0.0086	0.9828	0.9627	0.0483
card	0.8261	0.1739	0.8261	0.6431	0.6189
cardiotocography	0.8779	0.0244	0.8779	0.8536	0.1440
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8149	0.2714
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.2610
cas_N6512_cdk_ECFP2	0.7204	0.2796	0.7204	0.4380	0.7945
cdc_diabetes	0.7918	0.1388	0.7918	0.1822	0.6528
census10%	0.9295	0.0705	0.9295	0.3844	0.6257
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9535	0.0465	0.9535	0.6895	0.5225
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9419	0.0581	0.9419	0.5169	0.5762
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9996	0.0004	0.9996	0.8191	0.3432
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7159	0.4925
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6313	0.5951
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.7925	0.2605
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3502	0.8334
cirrhosis	0.6905	0.2063	0.6905	0.4154	0.6410
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8037	0.0981	0.8037	0.6948	0.4205
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.4830	0.3447	0.4830	0.1964	0.7551
cnae-9	0.8981	0.0226	0.8981	0.8854	0.1140
codon_usage	0.8304	0.0308	0.8304	0.7938	0.2888
coil20	0.9097	0.0090	0.9097	0.9050	0.0627
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.6207	0.3793	0.6207	0.1493	0.9180
colposcopies-3	0.5172	0.4828	0.5172	0.0514	0.9571
colposcopies-4	0.6552	0.3448	0.6552	0.0645	0.9084

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	-0.1810	0.8560
colposcopies-6	0.7241	0.2759	0.7241	0.4502	0.7761
colposcopies-c	0.6552	0.3448	0.6552	0.1420	0.8537
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9781	0.0146	0.9781	0.5652	0.5141
cottonmeloidogyne	0.7812	0.2188	0.7812	0.5627	0.6951
coupon	0.7334	0.2666	0.7334	0.4523	0.7782
covtype	0.9438	0.0161	0.9438	0.9097	0.1667
covtypeCD	0.9826	0.0174	0.9826	0.9266	0.2029
covtypeT	0.9839	0.0161	0.9839	0.8761	0.2712
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2887	0.7513
crowdsourced	0.8903	0.0366	0.8903	0.7769	0.3988
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3438	0.0328	0.3438	0.3246	0.1000
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.7778	0.2222	0.7778	0.5604	0.6642
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8123	0.1877	0.8123	0.3566	0.6919
deposit	0.8766	0.1234	0.8766	0.4066	0.6755
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.5000	0.3333	0.5000	0.1351	0.6307
dexter	0.8333	0.1667	0.8333	0.6667	0.5975
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5380	0.6517
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.4931	0.3379	0.4931	0.0995	0.7737
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.1304	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5202	0.4798	0.5202	0.0369	0.9882
dropout	0.6772	0.2152	0.6772	0.4818	0.5967
drug-01	0.2606	0.2112	0.2606	-0.0053	0.8961
drug-02	0.3351	0.1900	0.3351	0.0574	0.8441
drug-03	0.5213	0.1368	0.5213	0.0112	0.7531
drug-04	0.3032	0.1991	0.3032	0.0172	0.8764
drug-05	0.5266	0.1353	0.5266	-0.0188	0.7800
drug-06	0.2713	0.2082	0.2713	0.1248	0.7629
drug-07	0.3404	0.1885	0.3404	0.0058	0.7183
drug-08	0.4255	0.1641	0.4255	0.1208	0.7934
drug-09	0.7558	0.0806	0.7682	0.0957	0.4619
drug-10	0.4309	0.1626	0.4309	0.1396	0.8114
drug-11	0.7447	0.0729	0.7447	0.0249	0.8803
drug-12	0.6330	0.1049	0.6330	0.0980	0.7274
drug-13	0.4840	0.1474	0.4840	0.1139	0.8489
drug-14	0.5106	0.1398	0.5106	0.1876	0.7428
drug-15	0.6383	0.1033	0.6383	0.1247	0.7544
drug-16	0.4734	0.1505	0.4734	0.1776	0.7240
drug-17	0.2819	0.2052	0.2819	0.1051	0.7939
drug-18	0.9888	0.0000	0.9881	0.0025	0.0210
drug-19	0.6011	0.1140	0.6011	0.0361	0.5311
drybean	0.8942	0.0302	0.8942	0.8722	0.1658
ecoli	0.8072	0.0610	0.8064	0.7074	0.1839
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3780	0.0777	0.3780	0.3130	0.7363
eeg-eye	0.8378	0.1622	0.8378	0.6718	0.5900
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2222	0.8992
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4961	0.6945
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7705	0.2295	0.7705	0.4917	0.7384
er_tox_rdkit_FEATMORGAN	0.9839	0.0161	0.9839	0.9675	0.1023
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6894	0.4884
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5260	0.6945
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6164	0.1534	0.6164	0.5094	0.4002
euthyroid	0.9589	0.0411	0.9589	0.7570	0.3878
exon.vs.intron-freq	0.9647	0.0353	0.9647	0.9293	0.2059
fbis-wc	0.7276	0.0320	0.7276	0.6909	0.2672
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6190	0.1563
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.6893	0.0041	0.6978	0.6821	0.2621
forest	0.8462	0.0769	0.8462	0.7882	0.2289
gas	0.9691	0.0103	0.9691	0.9625	0.0666
gastrointestinal	0.5000	0.3333	0.5000	0.2195	0.6040
gender	0.5263	0.3158	0.5263	0.1077	0.7376
gene	0.8959	0.0694	0.8959	0.8327	0.2773
german	0.6200	0.3800	0.6200	0.1304	0.9251
gina	0.8818	0.1182	0.8818	0.7637	0.4811
glass	0.6667	0.1111	0.6667	0.5435	0.2996
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.8095	0.1905	0.8095	0.6000	0.6336
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7500	0.4011
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6311	0.6282
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.3333	0.3333	0.3333	0.0909	0.5974
haberman	0.7333	0.2667	0.7333	0.3182	0.8145
hapt	0.9030	0.0162	0.9030	0.8853	0.1093
har70	0.9011	0.0283	0.9011	0.8555	0.3474
harth10%	0.8419	0.0263	0.8419	0.7861	0.3095
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8113	0.1887	0.8113	0.6225	0.6427
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.6450	0.3550	0.6450	0.2876	0.8858
higher	0.2857	0.1786	0.2857	0.1358	0.3753
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8853	0.1147	0.8853	0.5139	0.5205
hiva	0.9551	0.0449	0.9551	0.0765	0.5927
horse	0.5833	0.2778	0.5833	0.2308	0.6268
htru2	0.9676	0.0324	0.9676	0.8064	0.3736
ht-sensor	0.9996	0.0002	0.9996	0.9994	0.0023
hypothyroid	1.0000	0.0186	0.9975	0.9556	0.0463
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.8857	0.1143	0.8857	0.7473	0.4951
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7805	0.0169	0.7805	0.7717	0.1958
jm1	0.7952	0.2048	0.7952	0.2359	0.7693
fvowels	0.8936	0.0237	0.8936	0.8794	0.1663
kc1	0.8483	0.1517	0.8483	0.2838	0.6781
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.4941	0.0322	0.4933	0.2823	0.0838
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.8592	0.0156	0.8592	0.8428	0.1933
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7429	0.0857	0.7429	0.6753	0.3932
la2s-wc	0.7483	0.0839	0.7483	0.6811	0.3635
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5993	0.0775
led24	0.5500	0.0900	0.5500	0.5041	0.1852
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8810	0.0092	0.8810	0.8762	0.1381
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7909	0.0790
linkage10%	0.9999	0.0001	0.9999	0.9881	0.0511
liver	0.5000	0.5000	0.5000	-0.0664	0.9551
localization	0.6878	0.0568	0.6878	0.6113	0.5810
lrs	0.8015	0.0482	0.8145	0.7290	0.1314
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1791
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.5000	0.1429	0.5000	0.3600	0.2385
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7937	0.0964	0.7786	0.5933	0.2250
lymphoma2	0.6667	0.0741	0.6667	0.5500	0.0869
madelon	0.7462	0.2538	0.7462	0.4923	0.7559
magic04	0.8175	0.1825	0.8175	0.6040	0.6506

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5446	0.6935
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7893	0.3270
messidor	0.5739	0.4261	0.5739	0.1351	0.9500
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9000	0.0200	0.9000	0.8889	0.1203
mfeat-fou	0.7400	0.0520	0.7400	0.7111	0.2396
mfeat-kar	0.8400	0.0320	0.8400	0.8222	0.1850
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2089
mfeat-pix	0.9050	0.0190	0.9050	0.8944	0.1137
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2388
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3731	0.4838
mobile	0.7063	0.0105	0.7063	0.7010	0.1273
monks-1	0.9273	0.0727	0.9273	0.8543	0.3306
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9561	0.0439	0.9561	0.8256	0.3192
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9785
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.8487
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3677	0.8341
MUT_ci300400a	0.8158	0.1842	0.8158	0.6209	0.6368
MUT_ci300400a_cdk_ECFP2	0.7854	0.2146	0.7854	0.5585	0.6974
myocardial	0.8353	0.0412	0.8353	0.4157	0.5391
naticusdroid	0.9700	0.0300	0.9700	0.9400	0.1817
nci9	0.3333	0.1481	0.3333	0.2500	0.0863
ncRNA10%	0.9283	0.0091	0.9474	0.8269	0.4092
newspop	0.5830	0.4170	0.5830	0.1619	0.9436
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9681	0.0319	0.9681	0.9212	0.2067
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0435	0.8452
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9782	0.0861
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0322
oh0-wc	0.8614	0.0277	0.8614	0.8417	0.1469
oh10-wc	0.7333	0.0533	0.7333	0.6987	0.2593
oh15-wc	0.7500	0.0500	0.7500	0.7146	0.2487
oh5-wc	0.7582	0.0484	0.7582	0.7279	0.2291
opn310k	0.9089	0.0911	0.9089	0.2997	0.6109
opnat310k-hg16-17	0.8911	0.1089	0.8911	0.3353	0.6736
optdigits	0.8843	0.0231	0.8843	0.8714	0.1611
optdigitsZ	0.9893	0.0107	0.9893	0.9353	0.2008
orl	0.7750	0.0112	0.7750	0.7692	0.0369
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9526	0.0474	0.9526	0.2259	0.6120
ozone8hr	0.8893	0.1107	0.8893	0.2033	0.6822
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8971	0.1608

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8985	0.1015	0.8985	0.7463	0.4797
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	0.2387	0.6639
pcmac	0.5103	0.4897	0.5103	0.0386	0.9621
pd	0.8421	0.1579	0.8421	0.5472	0.6265
pediatric-leukemia	0.6471	0.1008	0.6471	0.5669	0.2527
pendigits	0.9572	0.0086	0.9572	0.9525	0.0699
period	0.4444	0.5556	0.4444	-0.1538	0.9711
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.7938	0.2062	0.7938	0.5506	0.6946
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9099
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8095	0.1905	0.8095	0.6167	0.6460
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.5000	0.5000	0.5000	0.0000	0.9755
phishing	0.9796	0.0204	0.9796	0.9569	0.1229
phoneme	0.8907	0.1093	0.8907	0.7325	0.5065
phy	0.6402	0.3598	0.6402	0.2804	0.8904
pima	0.7368	0.2632	0.7368	0.4493	0.7788
plx	0.7222	0.2778	0.7222	0.1509	0.7953
poker	0.6205	0.0759	0.6205	0.3365	0.7474
polish-1st	0.9787	0.0213	0.9787	0.7162	0.4439
polish-2nd	0.9479	0.0521	0.9479	0.3775	0.6031
polish-3rd	0.9324	0.0676	0.9324	0.3132	0.6242
polish-4th	0.9561	0.0439	0.9561	0.5963	0.5500
polish-5th	0.9306	0.0694	0.9306	0.4803	0.6060
polya	0.7568	0.2432	0.7568	0.4316	0.7269
popularity	0.5647	0.2902	0.5647	0.1414	0.7413
post-operative	0.6658	0.2311	0.6524	0.0090	0.2439
postures	0.9723	0.0111	0.9723	0.9654	0.0696
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8981
primary-tumor	0.2792	0.0768	0.2864	0.2038	0.2840
profb	0.5970	0.4030	0.5970	0.1365	0.9090
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9845	0.0062	0.9845	0.9793	0.0479
pufs-6410%	0.4995	0.5005	0.4995	-0.0009	1.0000
raisin	0.8222	0.1778	0.8222	0.6444	0.6186
re0-wc	0.8333	0.0256	0.8333	0.7803	0.1923
re1-wc	0.8193	0.0145	0.8193	0.7924	0.1241
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9669	0.0491
rocket	0.6284	0.3716	0.6284	0.2358	0.9028
RT_IOT2022	0.9990	0.0002	0.9990	0.9976	0.0020
satimage	0.8678	0.0441	0.8678	0.8371	0.2088
satimageF	0.9860	0.0140	0.9860	0.9292	0.2145
satimageT	0.9051	0.0949	0.9051	0.4952	0.6272
scadi	0.5679	0.1150	0.5847	0.4969	0.1223
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5882	0.4118	0.5882	0.1765	0.9389
secom	0.9038	0.0962	0.9038	0.1595	0.6726
secondary_mushroom	0.9995	0.0005	0.9995	0.9990	0.0057
segment	0.9307	0.0198	0.9307	0.9190	0.0847
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9070	0.0930	0.9070	0.1515	0.6757
semeion	0.9937	0.0063	0.9937	0.9662	0.1529
sens-1-gram	0.7974	0.2026	0.7974	0.1208	0.7674
sens-2-gram	0.7711	0.2289	0.7711	0.0390	0.7719
sens-3-gram	0.7895	0.2105	0.7895	0.2008	0.7376
sens-4-gram	0.8026	0.1974	0.8026	0.1436	0.7639
sensorless	0.9834	0.0030	0.9834	0.9818	0.0274
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8605	0.1395	0.8605	0.4483	0.6766
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9894	0.0106	0.9894	0.9074	0.0422
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9993	0.0063
smk_can_187	0.5263	0.4737	0.5263	0.0656	0.9580
solar-flare	0.7842	0.0719	0.7842	0.7245	0.1952
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9457	0.0543	0.9457	0.8856	0.2799
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.4255	0.0140	0.4329	0.3976	0.1610
splice-EI	0.9369	0.0631	0.9369	0.8314	0.3611
splice-IE	0.8927	0.1073	0.8927	0.6947	0.5153
sport-articles	0.7700	0.2300	0.7700	0.5148	0.7276
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8103	0.1897	0.8103	0.4337	0.7269
steel-d	0.9692	0.0308	0.9692	0.4841	0.5554
steel_industry	0.9164	0.0557	0.9164	0.8638	0.2043
steel-k	0.9795	0.0205	0.9795	0.9382	0.2014
steel-o	0.7590	0.2410	0.7590	0.4852	0.7442
steel-p	0.9231	0.0769	0.9231	0.4744	0.6071
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9641	0.0359	0.9641	0.8247	0.4176
studentap	0.3077	0.4615	0.3077	-0.0833	0.8784
student-weekend	0.3538	0.2585	0.3538	0.1519	0.7203
student-workday	0.6406	0.1437	0.6406	0.1608	0.6438
susy10%	0.7140	0.2860	0.7140	0.4245	0.8035
swarm_aligned	0.9979	0.0021	0.9979	0.9952	0.0219
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	0.9996	0.0004	0.9996	0.9991	0.0060
tae	0.7333	0.1778	0.7333	0.6000	0.3518
Tdp_desc	0.7500	0.2500	0.7500	0.4088	0.7116
texture	0.9109	0.0162	0.9109	0.9018	0.1208
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.1607	0.7805
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8803	0.1197	0.8803	0.6715	0.5470
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.5294	0.2353	0.5294	0.3733	0.4275
toxicity	0.5294	0.4706	0.5294	-0.0303	0.9755
toxicity-13f	0.8824	0.1176	0.8824	0.7424	0.5014
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0965	0.9113
trec11-wc	0.7805	0.0488	0.7805	0.7359	0.1990
trec12-wc	0.7742	0.0565	0.7742	0.7318	0.2025

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7576	0.0808	0.7576	0.5448	0.2189
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9355	0.0184	0.9355	0.9144	0.1043
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0724
trec45-wc	0.8696	0.0261	0.8696	0.8473	0.1048
tuandromd	0.9933	0.0067	0.9933	0.9792	0.0851
turkish	0.7750	0.1125	0.7750	0.7000	0.3364
tvnews	0.9320	0.0680	0.9320	0.8515	0.3285
urban	0.8209	0.0398	0.8209	0.7901	0.1510
vehicle	0.7857	0.1071	0.7857	0.7116	0.2072
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.4646	0.0973	0.4646	0.4111	0.3085
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.8846	0.1154	0.8846	0.2530	0.6917
wap-wc	0.6859	0.0314	0.6859	0.6481	0.2586
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.7619	0.0476	0.7619	0.7348	0.1060
watch-acc10%	0.9985	0.0004	0.9985	0.9982	0.0047
watch-gyr10%	0.9991	0.0003	0.9991	0.9990	0.0028
waveform	0.7440	0.1707	0.7440	0.6158	0.4995
web-phishing	0.8815	0.0790	0.8815	0.7904	0.3652
weight-lift	0.9929	0.0029	0.9929	0.9910	0.0218
white-clover	0.3194	0.3401	0.3253	-0.2035	0.3592
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0692
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6730	0.1090	0.6730	0.4877	0.5472
winequality-white	0.6094	0.1116	0.6094	0.4273	0.6183
winnipeg	0.9974	0.0007	0.9974	0.9967	0.0116
yale	0.6250	0.0500	0.6250	0.6000	0.0982
yeast	0.5135	0.0973	0.5135	0.3797	0.4915
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9459	0.0541	0.9459	0.3084	0.5504
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9595	0.0405	0.9595	0.4795	0.5174
zip	0.8860	0.0228	0.8860	0.8723	0.1657
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 8: Detailed results for DiscreteAdaBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1181	0.0578	0.1352	0.0195	0.6762
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9712	0.0288	0.9712	0.2991	0.5688
ads	0.9634	0.0366	0.9634	0.8536	0.3497
adult	0.8153	0.1847	0.8153	0.4874	0.7050
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7222	0.2778	0.7222	-0.1613	0.7929
AID_1431	0.8333	0.1667	0.8333	-0.0046	0.7062
AID1608Morered	0.9029	0.0971	0.9029	0.2336	0.6676
AID1608red	0.8641	0.1359	0.8641	-0.0713	0.6176
AID_1878	0.7333	0.2667	0.7333	0.2271	0.7758
AID362red	0.9743	0.0257	0.9743	0.1409	0.5587
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9977	0.0023	0.9977	0.1239	0.4716
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6216	0.3784	0.6216	0.2471	0.8826
AID_602330	0.8750	0.1250	0.8750	0.0204	0.5118
AID604	0.9996	0.0004	0.9996	0.9410	0.1510
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.3069	0.5341
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8182	0.1212	0.8182	0.0690	0.6484
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9937	0.0063	0.9937	0.0838	0.5027
AID688red	0.9846	0.0154	0.9846	-0.0075	0.5641
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9983	0.0017	0.9983	-0.0008	0.5343
AID746red	0.9890	0.0110	0.9890	0.2088	0.5339
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9527	0.0236	0.9527	0.9099	0.1700
anuran-f-b	0.9958	0.0042	0.9958	0.7980	0.4644
anuran-genus	0.9332	0.0167	0.9332	0.8893	0.2001
anuran-species	0.9431	0.0114	0.9431	0.9211	0.1357
aps-failure	0.9891	0.0109	0.9891	0.6926	0.4374
arcene	0.7500	0.2500	0.7500	0.4444	0.6928
arrhythmia	0.6889	0.0479	0.6889	0.5302	0.2812
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8333	0.0008	0.8169	0.7907	0.0465
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	1.0000	0.0000	1.0000	1.0000	0.0000
avila	0.9760	0.0040	0.9760	0.9689	0.0828
balance	0.7742	0.1505	0.7742	0.6128	0.4382
bank	0.8886	0.1114	0.8886	0.4544	0.6533
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.6019	0.6524
basehock	0.9698	0.0302	0.9698	0.9397	0.1825
bio	0.9951	0.0049	0.9951	0.7276	0.4095
biodeg	0.8476	0.1524	0.8476	0.6738	0.5763
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9762	0.0000	0.9872	0.4291	0.4254
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.1250	0.8994
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1595
bridges	0.7853	0.0506	0.7883	0.7270	0.1202
bub10at310k-hg16-17	0.8912	0.1088	0.8912	0.3129	0.6769
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9828	0.0086	0.9828	0.9627	0.0483
card	0.8116	0.1884	0.8116	0.6152	0.6473
cardiotocography	0.8451	0.0310	0.8451	0.8143	0.1973
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8166	0.2728
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2344
cas_N6512_cdk_ECFP2	0.7634	0.2366	0.7634	0.5242	0.7298
cdc_diabetes	0.8113	0.1258	0.8113	0.2012	0.6004
census10%	0.9305	0.0695	0.9305	0.3755	0.6252
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9302	0.0698	0.9302	0.5892	0.5711
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9419	0.0581	0.9419	0.5169	0.5762
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9996	0.0004	0.9996	0.8180	0.3389
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6426	0.6065
ci200186m_DESC_PADEL	0.7778	0.2222	0.7778	0.5331	0.7128
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.6526	0.3474	0.6526	0.2738	0.8774
cirrhosis	0.6429	0.2381	0.6429	0.3137	0.6791
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7889	0.1056	0.7889	0.6769	0.4532
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8400	0.1600	0.8400	0.2453	0.6924
cmc	0.5102	0.3265	0.5102	0.2304	0.7423
cnae-9	0.8981	0.0226	0.8981	0.8854	0.1128
codon_usage	0.8319	0.0306	0.8319	0.7960	0.2977
coil20	0.9167	0.0083	0.9167	0.9123	0.0542
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2714	0.8634
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.4483	0.5517	0.4483	-0.0841	0.9949
colposcopies-4	0.6552	0.3448	0.6552	-0.0211	0.9133

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.6897	0.3103	0.6897	0.3830	0.8108
colposcopies-c	0.6552	0.3448	0.6552	0.1420	0.8537
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9790	0.0140	0.9790	0.5756	0.5044
cottonmeloidogyne	0.7236	0.2764	0.7236	0.4471	0.7892
coupon	0.7405	0.2595	0.7405	0.4694	0.7685
covtype	0.9445	0.0159	0.9445	0.9109	0.1622
covtypeCD	0.9836	0.0164	0.9836	0.9308	0.1948
covtypeT	0.9826	0.0174	0.9826	0.8663	0.2872
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.4467	0.6437
crowdsourced	0.8949	0.0350	0.8949	0.7841	0.3516
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3750	0.0312	0.3750	0.3561	0.1081
cyclopentane	0.7778	0.2222	0.7778	0.5424	0.6895
cylinder-bands	0.7963	0.2037	0.7963	0.5948	0.6428
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7693	0.2307	0.7693	0.2934	0.7927
deposit	0.8781	0.1219	0.8781	0.4107	0.6730
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.5000	0.3333	0.5000	0.1351	0.6307
dexter	0.8167	0.1833	0.8167	0.6333	0.6308
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5594	0.6940
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4823	0.3451	0.4823	0.0851	0.7792
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5833	0.4167	0.5833	0.1429	0.9438
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5226	0.4774	0.5226	0.0419	0.9867
dropout	0.6795	0.2137	0.6795	0.4835	0.6029
drug-01	0.2447	0.2158	0.2447	-0.0265	0.9109
drug-02	0.3298	0.1915	0.3298	0.0366	0.8471
drug-03	0.5426	0.1307	0.5426	0.0607	0.6515
drug-04	0.3085	0.1976	0.3085	0.0197	0.8580
drug-05	0.5213	0.1368	0.5213	-0.0426	0.7680
drug-06	0.2660	0.2097	0.2660	0.1218	0.7691
drug-07	0.3404	0.1885	0.3404	0.0005	0.6930
drug-08	0.4096	0.1687	0.4096	0.1101	0.8150
drug-09	0.7483	0.0811	0.7382	0.0368	0.6234
drug-10	0.4255	0.1641	0.4255	0.1312	0.8203
drug-11	0.7447	0.0729	0.7447	0.0551	0.8825
drug-12	0.6383	0.1033	0.6383	0.0560	0.7465
drug-13	0.4787	0.1489	0.4787	0.1118	0.8519
drug-14	0.5319	0.1337	0.5319	0.2300	0.7215
drug-15	0.6330	0.1049	0.6330	0.1336	0.7842
drug-16	0.4734	0.1505	0.4734	0.1819	0.7203
drug-17	0.2660	0.2097	0.2660	0.0817	0.8159
drug-18	0.9814	0.0000	0.9802	-0.0056	0.0000
drug-19	0.5798	0.1201	0.5798	0.0449	0.5299
drybean	0.8927	0.0307	0.8927	0.8704	0.1626
ecoli	0.8305	0.0303	0.8204	0.7588	0.1305
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3726	0.0784	0.3726	0.3072	0.7445
eeg-eye	0.8425	0.1575	0.8425	0.6810	0.5793
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2684	0.8698
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6169	0.5922
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.7336	0.5000
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.7377	0.2623	0.7377	0.4190	0.7879
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7285	0.5172
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.6027	0.1589	0.6027	0.4914	0.4090
euthyroid	0.9589	0.0411	0.9589	0.7570	0.3878
exon.vs.intron-freq	0.9654	0.0346	0.9654	0.9305	0.2032
fbis-wc	0.7195	0.0330	0.7195	0.6828	0.2849
fda.atompair_fp	0.5455	0.4545	0.5455	-0.1458	0.9447
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5611	0.2340
fontaine_MACCS	0.9773	0.0227	0.9773	0.9515	0.1529
fonts10%	0.7163	0.0037	0.7163	0.7026	0.3076
forest	0.8077	0.0962	0.8077	0.7347	0.2676
gas	0.9748	0.0084	0.9748	0.9695	0.0578
gastrointestinal	0.6250	0.2500	0.6250	0.3924	0.5470
gender	0.5221	0.3186	0.5221	0.1086	0.7388
gene	0.8959	0.0694	0.8959	0.8332	0.2876
german	0.6400	0.3600	0.6400	0.1647	0.9071
gina	0.8963	0.1037	0.8963	0.7924	0.4426
glass	0.6667	0.1111	0.6667	0.5435	0.2967
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.8095	0.1905	0.8095	0.6000	0.6336
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6311	0.6282
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4667	0.2667	0.4667	0.2857	0.4368
haberman	0.6667	0.3333	0.6667	0.1477	0.8809
hapt	0.9030	0.0162	0.9030	0.8853	0.1130
har70	0.9008	0.0283	0.9008	0.8552	0.3478
harth10%	0.8427	0.0262	0.8427	0.7871	0.3063
hayes-roth	0.6875	0.2083	0.6875	0.4937	0.3509
hcc-survival	0.4706	0.5294	0.4706	-0.1168	1.0000
heart	0.6296	0.3704	0.6296	0.2330	0.9042
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8109	0.1891	0.8109	0.6218	0.6434
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higgs10%	0.6453	0.3547	0.6453	0.2881	0.8855
higher	0.2857	0.1786	0.2857	0.1411	0.3540
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8735	0.1265	0.8735	0.5244	0.6250
hiva	0.9314	0.0686	0.9314	0.0290	0.6075
horse	0.6111	0.2593	0.6111	0.2599	0.4973
htru2	0.9670	0.0330	0.9670	0.8047	0.3822
ht-sensor	0.9997	0.0002	0.9997	0.9995	0.0022
hypothyroid	0.9888	0.0000	1.0000	0.9512	0.0698
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7702	0.0177	0.7702	0.7610	0.2052
jm1	0.7704	0.2296	0.7704	0.2233	0.8024
fvowels	0.9056	0.0210	0.9056	0.8931	0.1509
kc1	0.8626	0.1374	0.8626	0.3973	0.6561
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.4235	0.0433	0.4268	0.2073	0.0435
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2747	0.8005
kidney-disease	0.9000	0.1000	0.9000	0.7975	0.3632
krkopt	0.8567	0.0159	0.8567	0.8400	0.1966
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7746	0.0751	0.7746	0.7150	0.3668
la2s-wc	0.7450	0.0850	0.7450	0.6777	0.3721
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6603	0.0640
led24	0.5500	0.0900	0.5500	0.5041	0.1856
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8830	0.0090	0.8830	0.8783	0.1352
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7910	0.0810
linkage10%	0.9999	0.0001	0.9999	0.9881	0.0511
liver	0.5000	0.5000	0.5000	-0.0664	0.9551
localization	0.6894	0.0565	0.6894	0.6131	0.5825
lrs	0.8028	0.0535	0.7905	0.7068	0.2023
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6685	0.2254
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.1220
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7713	0.1161	0.7855	0.6083	0.2154
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.0587
madelon	0.7615	0.2385	0.7615	0.5231	0.7315
magic04	0.8133	0.1867	0.8133	0.5957	0.6582

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5659	0.6676
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7446	0.3750
messidor	0.5565	0.4435	0.5565	0.0998	0.9628
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.8900	0.0220	0.8900	0.8778	0.1241
mfeat-fou	0.7400	0.0520	0.7400	0.7111	0.2272
mfeat-kar	0.8350	0.0330	0.8350	0.8167	0.1922
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2212
mfeat-pix	0.9050	0.0190	0.9050	0.8944	0.1058
mfeat-zer	0.6800	0.0640	0.6800	0.6444	0.2738
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4664
mobile	0.6958	0.0109	0.6958	0.6903	0.1352
monks-1	0.9455	0.0545	0.9455	0.8908	0.2776
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.8031	0.3623
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9717
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8319
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3398	0.8563
MUT_ci300400a	0.8070	0.1930	0.8070	0.6036	0.6552
MUT_ci300400a_cdk_ECFP2	0.8237	0.1763	0.8237	0.6365	0.6237
myocardial	0.8235	0.0441	0.8235	0.3956	0.5516
naticusdroid	0.9724	0.0276	0.9724	0.9448	0.1706
nci9	0.1667	0.1852	0.1667	0.0625	0.2136
ncRNA10%	0.9525	0.0135	0.9421	0.8278	0.4173
newspop	0.5850	0.4150	0.5850	0.1665	0.9417
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9602	0.0398	0.9602	0.9022	0.2504
NPHA-doctor-visits	0.4167	0.3889	0.4167	0.0121	0.8210
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9903	0.0097	0.9903	0.9727	0.1013
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9730	0.0354
oh0-wc	0.8812	0.0238	0.8812	0.8645	0.1234
oh10-wc	0.7143	0.0571	0.7143	0.6785	0.2526
oh15-wc	0.7500	0.0500	0.7500	0.7145	0.2499
oh5-wc	0.7582	0.0484	0.7582	0.7278	0.2246
opn310k	0.9098	0.0902	0.9098	0.3607	0.6237
opnat310k-hg16-17	0.9103	0.0897	0.9103	0.3755	0.6240
optdigits	0.8861	0.0228	0.8861	0.8734	0.1608
optdigitsZ	0.9858	0.0142	0.9858	0.9152	0.2551
orl	0.6000	0.0200	0.6000	0.5897	0.0710
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9407	0.0593	0.9407	0.1798	0.6134
ozone8hr	0.8893	0.1107	0.8893	0.2033	0.6822
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8483	0.2193

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.9230	0.0770	0.9230	0.8093	0.4047
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.8919	0.1081	0.8919	0.2753	0.6610
pcmac	0.5206	0.4794	0.5206	0.0557	0.9587
pd	0.8289	0.1711	0.8289	0.5000	0.6507
pediatric-leukemia	0.6765	0.0924	0.6765	0.6030	0.2559
pendigits	0.9672	0.0066	0.9672	0.9636	0.0559
period	0.5556	0.4444	0.5556	0.0000	0.9591
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8351	0.1649	0.8351	0.6215	0.6081
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8960
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7937	0.2063	0.7937	0.5839	0.6735
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.5500	0.4500	0.5500	0.0816	0.9582
phishing	0.9633	0.0367	0.9633	0.9231	0.2202
phoneme	0.8944	0.1056	0.8944	0.7426	0.4968
phy	0.6406	0.3594	0.6406	0.2812	0.8899
pima	0.7632	0.2368	0.7632	0.5043	0.7386
plx	0.8333	0.1667	0.8333	0.4906	0.3386
poker	0.6201	0.0760	0.6201	0.3363	0.7056
polish-1st	0.9815	0.0185	0.9815	0.7451	0.3951
polish-2nd	0.9479	0.0521	0.9479	0.3638	0.6053
polish-3rd	0.9410	0.0590	0.9410	0.3364	0.6182
polish-4th	0.9541	0.0459	0.9541	0.5776	0.5586
polish-5th	0.9357	0.0643	0.9357	0.5020	0.5900
polya	0.7330	0.2670	0.7330	0.4059	0.7930
popularity	0.5589	0.2941	0.5589	0.1298	0.7386
post-operative	0.5593	0.3084	0.5651	-0.1992	0.4847
postures	0.9712	0.0115	0.9712	0.9640	0.0723
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8981
primary-tumor	0.2483	0.0611	0.2393	0.1580	0.2659
profb	0.6119	0.3881	0.6119	0.1775	0.8916
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.8182	0.1818	0.8182	0.6333	0.6309
puc-rio	0.9843	0.0063	0.9843	0.9789	0.0483
pufs-6410%	0.4954	0.5046	0.4954	-0.0092	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.8533	0.0226	0.8533	0.8076	0.1560
re1-wc	0.8313	0.0135	0.8313	0.8053	0.1148
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9834	0.0182
rocket	0.6343	0.3657	0.6343	0.2486	0.8967
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0023
satimage	0.8725	0.0425	0.8725	0.8427	0.2023
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.9051	0.0949	0.9051	0.4952	0.6272
scadi	0.7045	0.0917	0.7215	0.6451	0.1375
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.6176	0.3824	0.6176	0.2353	0.9023
secom	0.8974	0.1026	0.8974	0.0574	0.6839
secondary_mushroom	0.9992	0.0008	0.9992	0.9983	0.0094
segment	0.9264	0.0210	0.9264	0.9139	0.0840
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9109	0.0891	0.9109	0.1612	0.6711
semeion	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram	0.7921	0.2079	0.7921	0.1273	0.7630
sens-2-gram	0.7763	0.2237	0.7763	0.0610	0.7702
sens-3-gram	0.7921	0.2079	0.7921	0.2050	0.7382
sens-4-gram	0.8000	0.2000	0.8000	0.1395	0.7638
sensorless	0.9834	0.0030	0.9834	0.9818	0.0273
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8654	0.1346	0.8654	0.4722	0.6655
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9894	0.0106	0.9894	0.9110	0.1498
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9991	0.0067
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.7482	0.0839	0.7482	0.6774	0.2353
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9304	0.0696	0.9304	0.8534	0.3357
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.4125	0.0249	0.4022	0.3780	0.1655
splice-EI	0.9495	0.0505	0.9495	0.8662	0.3155
splice-IE	0.8833	0.1167	0.8833	0.6754	0.5515
sport-articles	0.7700	0.2300	0.7700	0.5148	0.7276
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8205	0.1795	0.8205	0.4643	0.7094
steel-d	0.9744	0.0256	0.9744	0.6539	0.5313
steel_industry	0.9135	0.0576	0.9135	0.8591	0.2072
steel-k	0.9744	0.0256	0.9744	0.9221	0.2232
steel-o	0.7641	0.2359	0.7641	0.4877	0.7440
steel-p	0.9128	0.0872	0.9128	0.4043	0.6376
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8173	0.4208
studentap	0.3077	0.4615	0.3077	-0.1038	0.7839
student-weekend	0.3692	0.2523	0.3692	0.1754	0.6707
student-workday	0.5781	0.1688	0.5781	0.0578	0.6613
susy10%	0.7139	0.2861	0.7139	0.4244	0.8036
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0092
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5271
Tdp_desc	0.7222	0.2778	0.7222	0.3662	0.7165
texture	0.9091	0.0165	0.9091	0.8997	0.1195
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.1607	0.7805
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9263	0.0737	0.9263	0.8363	0.3767
tis	0.8766	0.1234	0.8766	0.6622	0.5586
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.3600	0.2904
tox_171	0.5882	0.2059	0.5882	0.4541	0.3102
toxicity	0.6471	0.3529	0.6471	0.2273	0.8920
toxicity-13f	0.9412	0.0588	0.9412	0.8661	0.1967
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6133	0.3867	0.6133	-0.0402	0.9013
trec11-wc	0.8293	0.0379	0.8293	0.7910	0.1766
trec12-wc	0.7742	0.0565	0.7742	0.7304	0.1955

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.3911	0.2672
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9462	0.0154	0.9462	0.9285	0.0916
trec41-wc	0.9318	0.0136	0.9318	0.9170	0.0815
trec45-wc	0.8551	0.0290	0.8551	0.8311	0.1351
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7750	0.1125	0.7750	0.7000	0.3050
tvnews	0.9338	0.0662	0.9338	0.8554	0.3218
urban	0.8209	0.0398	0.8209	0.7906	0.1681
vehicle	0.7500	0.1250	0.7500	0.6649	0.2494
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8140	0.1860	0.8140	0.6293	0.5994
vowel	0.4949	0.0918	0.4949	0.4444	0.3142
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9069	0.0931	0.9069	0.3252	0.6318
wap-wc	0.6859	0.0314	0.6859	0.6488	0.2456
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.7619	0.0476	0.7619	0.7348	0.1060
watch-acc10%	0.9986	0.0004	0.9986	0.9983	0.0045
watch-gyr10%	0.9990	0.0003	0.9990	0.9988	0.0032
waveform	0.7300	0.1800	0.7300	0.5948	0.5138
web-phishing	0.8519	0.0988	0.8519	0.7376	0.4115
weight-lift	0.9926	0.0030	0.9926	0.9907	0.0224
white-clover	0.1785	0.4175	0.1645	-0.3694	0.2981
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.6541	0.1153	0.6541	0.4615	0.5971
winequality-white	0.6115	0.1110	0.6115	0.4270	0.5500
winnipeg	0.9951	0.0014	0.9951	0.9938	0.0194
yale	0.4375	0.0750	0.4375	0.3975	0.1424
yeast	0.5068	0.0986	0.5068	0.3721	0.4919
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9459	0.0541	0.9459	0.3084	0.5504
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9595	0.0405	0.9595	0.4795	0.5174
zip	0.8946	0.0211	0.8946	0.8819	0.1621
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 9: Detailed results for LogitBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1274	0.0694	0.1237	0.0371	0.6856
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9041	0.0959	0.9041	0.3159	0.6071
accelerometer	0.9791	0.0209	0.9791	0.3262	0.5552
ads	0.9787	0.0213	0.9787	0.9090	0.1832
adult	0.8454	0.1546	0.8454	0.5489	0.6369
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7222	0.2778	0.7222	-0.1613	0.7929
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.8738	0.1262	0.8738	-0.0669	0.6366
AID_1878	0.7524	0.2476	0.7524	0.1975	0.8001
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.7838	0.2162	0.7838	0.5418	0.6933
AID_602330	0.9271	0.0729	0.9271	-0.0370	0.6435
AID604	0.9996	0.0004	0.9996	0.9410	0.1510
AID604AID644_AllRed	0.9992	0.0008	0.9992	0.2855	0.0047
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.8990	0.0673	0.8990	0.2667	0.1300
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9949	0.0051	0.9949	0.1027	0.5384
AID688red	0.9875	0.0125	0.9875	-0.0049	0.5435
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9920	0.0080	0.9920	0.1686	0.5413
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9764	0.0118	0.9764	0.9547	0.0553
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9722	0.0070	0.9722	0.9539	0.0578
anuran-species	0.9694	0.0061	0.9694	0.9575	0.0748
aps-failure	0.9938	0.0062	0.9938	0.8019	0.1711
arcene	0.7000	0.3000	0.7000	0.3478	0.8165
arrhythmia	0.8000	0.0308	0.8000	0.6739	0.1769
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8669	0.0162	0.8698	0.8567	0.0477
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9947	0.0009	0.9947	0.9932	0.0135
balance	0.8226	0.1183	0.8226	0.6889	0.4184
bank	0.9060	0.0940	0.9060	0.5196	0.6096
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8802	0.1198	0.8802	0.7262	0.4170
basehock	0.9648	0.0352	0.9648	0.9297	0.1892
bio	0.9970	0.0030	0.9970	0.8152	0.2270
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	0.9768	0.0120	0.9783	0.3615	0.3132
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7029	0.0714	0.7109	0.5957	0.1749
bub10at310k-hg16-17	0.9199	0.0801	0.9199	0.3209	0.4879
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9713	0.0144	0.9713	0.9375	0.0617
card	0.8261	0.1739	0.8261	0.6465	0.6157
cardiotocography	0.8639	0.0272	0.8639	0.8373	0.1708
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8676	0.1587
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7270	0.3766
cas_N6512_cdk_ECFP2	0.7650	0.2350	0.7650	0.5274	0.7272
cdc_diabetes	0.8316	0.1123	0.8316	0.1961	0.5193
census10%	0.9525	0.0475	0.9525	0.4367	0.4243
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9302	0.0698	0.9302	0.5892	0.5711
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9302	0.0698	0.9302	0.4669	0.5720
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.8837	0.1163	0.8837	0.7603	0.4689
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8394	0.2998
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8429	0.3626
ci200186m_DESC_PADEL	0.7593	0.2407	0.7593	0.4891	0.7471
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.7970	0.3704
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4248	0.7930
cirrhosis	0.7619	0.1587	0.7619	0.5070	0.3634
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7870	0.1065	0.7870	0.6729	0.4724
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4286	0.3779
cm1	0.8400	0.1600	0.8400	0.2453	0.6924
cmc	0.5238	0.3175	0.5238	0.2585	0.7085
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0607
codon_usage	0.9071	0.0169	0.9071	0.8870	0.1491
coil20	0.9861	0.0014	0.9861	0.9854	0.0096
collins	0.9400	0.0080	0.9400	0.9340	0.0224
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3256	0.7761
colposcopies-2	0.6207	0.3793	0.6207	0.1493	0.9180
colposcopies-3	0.4828	0.5172	0.4828	-0.0284	0.9869
colposcopies-4	0.6552	0.3448	0.6552	0.1369	0.8899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	-0.1810	0.8560
colposcopies-6	0.6897	0.3103	0.6897	0.3830	0.8108
colposcopies-c	0.7241	0.2759	0.7241	0.2468	0.8309
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9985	0.0010	0.9985	0.9663	0.0036
cottonmeloidogyne	0.7668	0.2332	0.7668	0.5338	0.7208
coupon	0.7800	0.2200	0.7800	0.5476	0.7024
covtype	0.9747	0.0072	0.9747	0.9593	0.0793
covtypeCD	0.9846	0.0154	0.9846	0.9350	0.1865
covtypeT	0.9849	0.0151	0.9849	0.8833	0.2517
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2887	0.7513
crowdsourced	0.9355	0.0215	0.9355	0.8663	0.1743
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4062	0.0297	0.4062	0.3896	0.1088
cyclopentane	0.6296	0.3704	0.6296	0.2623	0.8892
cylinder-bands	0.8148	0.1852	0.8148	0.6296	0.6181
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8093	0.1907	0.8093	0.3383	0.6936
deposit	0.9016	0.0984	0.9016	0.4470	0.5953
dermatology	0.9459	0.0180	0.9459	0.9328	0.0594
desharnais	0.6250	0.2500	0.6250	0.3684	0.5443
dexter	0.8167	0.1833	0.8167	0.6333	0.6308
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6399	0.6162
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5639	0.2908	0.5639	0.1693	0.6266
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0704	0.9669
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5407	0.4593	0.5407	0.0755	0.9752
dropout	0.7494	0.1670	0.7494	0.5858	0.5006
drug-01	0.3457	0.1869	0.3457	0.0909	0.8250
drug-02	0.4309	0.1626	0.4309	0.1411	0.8167
drug-03	0.5798	0.1201	0.5798	0.0556	0.6392
drug-04	0.4628	0.1535	0.4628	0.1513	0.8031
drug-05	0.6862	0.0897	0.6862	0.0505	0.6110
drug-06	0.3245	0.1930	0.3245	0.1792	0.6982
drug-07	0.3351	0.1900	0.3351	-0.0348	0.6912
drug-08	0.5585	0.1261	0.5585	0.2559	0.5789
drug-09	0.8256	0.0622	0.8339	0.0479	0.4777
drug-10	0.4574	0.1550	0.4574	0.1100	0.7796
drug-11	0.7979	0.0578	0.7979	0.1094	0.7530
drug-12	0.6809	0.0912	0.6809	-0.0468	0.7506
drug-13	0.5213	0.1368	0.5213	0.1551	0.7791
drug-14	0.5106	0.1398	0.5106	0.1960	0.7307
drug-15	0.6862	0.0897	0.6862	0.1119	0.7779
drug-16	0.5426	0.1307	0.5426	0.2837	0.6146
drug-17	0.2926	0.2021	0.2926	0.1073	0.8212
drug-18	0.9802	0.0000	0.9676	0.0085	0.0000
drug-19	0.6915	0.0881	0.6915	0.0220	0.7314
drybean	0.9126	0.0250	0.9126	0.8943	0.1370
ecoli	0.7355	0.0680	0.7342	0.6485	0.1902
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.4959	0.0630	0.4959	0.4412	0.6060
eeg-eye	0.9072	0.0928	0.9072	0.8117	0.4075
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6591	0.5628
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.7336	0.5000
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7705	0.2295	0.7705	0.4917	0.7384
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.8871	0.1129	0.8871	0.5651	0.6001
er_tox_rdkit_MACCS	0.9839	0.0161	0.9839	0.8488	0.4011
er_tox_rdkit_MORGAN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5594	0.6671
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.5890	0.1644	0.5890	0.4766	0.4206
euthyroid	0.9525	0.0475	0.9525	0.7278	0.4447
exon.vs.intron-freq	0.9834	0.0166	0.9834	0.9667	0.1125
fbis-wc	0.8211	0.0210	0.8211	0.7977	0.1725
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.5500	0.1125	0.5500	0.4427	0.2234
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.6614	0.0044	0.6614	0.6450	0.4341
forest	0.9231	0.0385	0.9231	0.8941	0.1186
gas	0.9914	0.0029	0.9914	0.9895	0.0216
gastrointestinal	0.8125	0.1250	0.8125	0.6863	0.2845
gender	0.5726	0.2849	0.5726	0.1362	0.6664
gene	0.9180	0.0547	0.9180	0.8684	0.2367
german	0.6400	0.3600	0.6400	0.1408	0.9038
gina	0.9193	0.0807	0.9193	0.8384	0.3702
glass	0.8095	0.0635	0.8095	0.7423	0.2203
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8333	0.1667	0.8333	0.6543	0.6006
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.6667	0.3333	0.6667	0.0741	0.8997
hapt	0.9561	0.0073	0.9561	0.9481	0.0466
har70	0.9373	0.0179	0.9373	0.9065	0.1289
harth10%	0.8879	0.0187	0.8879	0.8467	0.1659
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.4118	0.5882	0.4118	-0.2143	1.0000
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8530	0.1470	0.8530	0.7060	0.5533
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2708	0.8198
higgs10%	0.7109	0.2891	0.7109	0.4187	0.8071
higher	0.2857	0.1786	0.2857	0.1566	0.3071
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9005	0.0995	0.9005	0.5991	0.4949
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.6944	0.2037	0.6944	0.4598	0.5123
htru2	0.9754	0.0246	0.9754	0.8473	0.2768
ht-sensor	0.9999	0.0001	0.9999	0.9999	0.0006
hypothyroid	0.9907	0.0000	1.0000	0.9449	0.0728
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.5932	0.4068	0.5932	0.0084	0.9313
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8575	0.0110	0.8575	0.8518	0.1328
jm1	0.8108	0.1892	0.8108	0.2836	0.7337
fvowels	0.9518	0.0107	0.9518	0.9454	0.0774
kc1	0.8578	0.1422	0.8578	0.3486	0.6576
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.4932	0.0429	0.5016	0.1933	0.1301
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.3185	0.7781
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8980	0.0113	0.8980	0.8861	0.1447
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8762	0.0413	0.8762	0.8438	0.2235
la2s-wc	0.8907	0.0364	0.8907	0.8617	0.1951
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6314	0.0633
led24	0.5500	0.0900	0.5500	0.4972	0.1896
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9315	0.0053	0.9315	0.9287	0.0791
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7616	0.1029
linkage10%	0.9999	0.0001	0.9999	0.9904	0.0370
liver	0.5882	0.4118	0.5882	0.1765	0.8627
localization	0.7570	0.0442	0.7570	0.6911	0.3924
lrs	0.8402	0.0324	0.8365	0.7716	0.1422
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.6996	0.1371	0.7233	0.4806	0.2489
lymphoma2	0.8889	0.0247	0.8889	0.8525	0.0000
madelon	0.7885	0.2115	0.7885	0.5769	0.6843
magic04	0.8774	0.1226	0.8774	0.7246	0.4980

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4792	0.7635
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7740	0.3393
messidor	0.5565	0.4435	0.5565	0.0998	0.9628
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0702
mfeat-fou	0.7550	0.0490	0.7550	0.7278	0.2124
mfeat-kar	0.8950	0.0210	0.8950	0.8833	0.1309
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1978
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0812
mfeat-zer	0.7350	0.0530	0.7350	0.7056	0.1999
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0098
mines	0.5882	0.1647	0.5882	0.4832	0.4382
mobile	0.7448	0.0091	0.7448	0.7401	0.1182
monks-1	0.9455	0.0545	0.9455	0.8908	0.2776
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9636	0.0364	0.9636	0.8538	0.2515
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9913
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7929
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4602	0.7243
MUT_ci300400a	0.8534	0.1466	0.8534	0.6996	0.5573
MUT_ci300400a_cdk_ECFP2	0.8177	0.1823	0.8177	0.6255	0.6364
myocardial	0.8941	0.0265	0.8941	0.4864	0.0866
naticusdroid	0.9703	0.0297	0.9703	0.9407	0.1802
nci9	0.3333	0.1481	0.3333	0.2258	0.1280
ncRNA10%	0.9419	0.0061	0.9419	0.8398	0.3106
newspop	0.6551	0.3449	0.6551	0.3033	0.8735
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9643	0.0357	0.9643	0.9121	0.2292
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0593	0.8144
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9754	0.0909
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9406	0.0119	0.9406	0.9321	0.0607
oh10-wc	0.7429	0.0514	0.7429	0.7068	0.2446
oh15-wc	0.8478	0.0304	0.8478	0.8269	0.1412
oh5-wc	0.8022	0.0396	0.8022	0.7774	0.2082
opn310k	0.9223	0.0777	0.9223	0.3410	0.4633
opnat310k-hg16-17	0.9228	0.0772	0.9228	0.3533	0.4689
optdigits	0.9484	0.0103	0.9484	0.9426	0.0735
optdigitsZ	0.9893	0.0107	0.9893	0.9353	0.2008
orl	0.7500	0.0125	0.7500	0.7436	0.0432
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	0.3549	0.5778
ozone8hr	0.8893	0.1107	0.8893	0.2401	0.6747
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9744	0.0102	0.9744	0.8559	0.2057

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.9353	0.0647	0.9353	0.8400	0.3620
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.9009	0.0991	0.9009	0.3683	0.6424
pcmac	0.4948	0.5052	0.4948	-0.0001	0.9788
pd	0.8553	0.1447	0.8553	0.5926	0.6007
pediatric-leukemia	0.8235	0.0504	0.8235	0.7834	0.1653
pendigits	0.9882	0.0024	0.9882	0.9868	0.0213
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5637	0.6810
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9099
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6969	0.5628
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9714	0.0286	0.9714	0.9397	0.1676
phoneme	0.9019	0.0981	0.9019	0.7616	0.4760
phy	0.7014	0.2986	0.7014	0.4027	0.8192
pima	0.7368	0.2632	0.7368	0.4556	0.7748
plx	0.8333	0.1667	0.8333	0.5574	0.6304
poker	0.9341	0.0132	0.9341	0.8799	0.1332
polish-1st	0.9787	0.0213	0.9787	0.6949	0.4113
polish-2nd	0.9636	0.0364	0.9636	0.3766	0.4945
polish-3rd	0.9590	0.0410	0.9590	0.3236	0.3569
polish-4th	0.9684	0.0316	0.9684	0.6196	0.3530
polish-5th	0.9475	0.0525	0.9475	0.5795	0.5352
polya	0.7827	0.2173	0.7827	0.5008	0.6919
popularity	0.6764	0.2157	0.6764	0.2554	0.4870
post-operative	0.2319	0.5057	0.2308	-0.6151	0.4762
postures	0.9903	0.0039	0.9903	0.9878	0.0282
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.3215	0.0562	0.3222	0.2499	0.2769
profb	0.6418	0.3582	0.6418	0.2239	0.8794
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9941	0.0023	0.9941	0.9921	0.0210
pufs-6410%	0.5032	0.4968	0.5032	0.0065	0.9982
raisin	0.8333	0.1667	0.8333	0.6667	0.5969
re0-wc	0.8267	0.0267	0.8267	0.7759	0.2311
re1-wc	0.8373	0.0130	0.8373	0.8148	0.1335
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7170	0.2830	0.7170	0.4111	0.8054
RT_IOT2022	0.9990	0.0002	0.9990	0.9976	0.0025
satimage	0.8865	0.0378	0.8865	0.8597	0.1812
satimageF	0.9860	0.0140	0.9860	0.9301	0.2271
satimageT	0.9285	0.0715	0.9285	0.5895	0.5472
scadi	0.7045	0.0741	0.7130	0.6206	0.1335
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5588	0.4412	0.5588	0.1176	0.9547
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.9997	0.0003	0.9997	0.9993	0.0042
segment	0.9697	0.0087	0.9697	0.9646	0.0419
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9109	0.0891	0.9109	0.1044	0.6742
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8553	0.1447	0.8553	0.0288	0.6297
sens-2-gram	0.8737	0.1263	0.8737	0.1633	0.5114
sens-3-gram	0.8763	0.1237	0.8763	0.1479	0.4234
sens-4-gram	0.8763	0.1237	0.8763	0.1701	0.4692
sensorless	0.9940	0.0011	0.9940	0.9934	0.0118
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8792	0.1208	0.8792	0.4964	0.6246
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9867	0.0133	0.9867	0.8909	0.2219
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0074
smk_can_187	0.5263	0.4737	0.5263	0.0757	0.9099
solar-flare	0.7626	0.0791	0.7626	0.6978	0.2261
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9435	0.0565	0.9435	0.8807	0.2818
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.4844	0.0074	0.4931	0.4530	0.1390
splice-EI	0.9527	0.0473	0.9527	0.8741	0.2976
splice-IE	0.9054	0.0946	0.9054	0.7331	0.4794
sport-articles	0.7700	0.2300	0.7700	0.5094	0.7316
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8154	0.1846	0.8154	0.4633	0.7130
steel-d	0.9846	0.0154	0.9846	0.7194	0.3544
steel_industry	0.9181	0.0546	0.9181	0.8668	0.2016
steel-k	0.9846	0.0154	0.9846	0.9533	0.1586
steel-o	0.7949	0.2051	0.7949	0.5575	0.6904
steel-p	0.9231	0.0769	0.9231	0.4744	0.6071
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8247	0.4176
studentap	0.3846	0.4103	0.3846	0.0714	0.6215
student-weekend	0.3077	0.2769	0.3077	0.0752	0.7867
student-workday	0.6719	0.1313	0.6719	0.1423	0.4636
susy10%	0.7790	0.2210	0.7790	0.5518	0.6990
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0092
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8056	0.1944	0.8056	0.5039	0.6853
texture	0.9764	0.0043	0.9764	0.9739	0.0355
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.1607	0.7805
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9474	0.0526	0.9474	0.8848	0.2992
tis	0.9140	0.0860	0.9140	0.7581	0.4170
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.5882	0.4118	0.5882	0.1314	0.9243
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0060	0.9006
trec11-wc	0.9024	0.0217	0.9024	0.8811	0.0869
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9398	0.1157
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9574	0.0721
trec41-wc	0.9659	0.0068	0.9659	0.9587	0.0779
trec45-wc	0.9275	0.0145	0.9275	0.9154	0.0560
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.7500	0.1250	0.7500	0.6667	0.2843
tvnews	0.9544	0.0456	0.9544	0.9005	0.2351
urban	0.8955	0.0232	0.8955	0.8781	0.0946
vehicle	0.7738	0.1131	0.7738	0.6960	0.2030
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.5960	0.0735	0.5960	0.5556	0.2685
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9216	0.0784	0.9216	0.2954	0.4065
wap-wc	0.8077	0.0192	0.8077	0.7857	0.1553
warpar10p	0.6923	0.0615	0.6923	0.6579	0.1018
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9990	0.0003	0.9990	0.9988	0.0032
watch-gyr10%	0.9993	0.0002	0.9993	0.9991	0.0024
waveform	0.7980	0.1347	0.7980	0.6970	0.4348
web-phishing	0.8667	0.0889	0.8667	0.7682	0.3816
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0017
white-clover	0.6651	0.1801	0.6535	0.3877	0.2063
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6604	0.1132	0.6604	0.4684	0.5647
winequality-white	0.6585	0.0976	0.6585	0.4886	0.4975
winnipeg	0.9975	0.0007	0.9975	0.9968	0.0112
yale	0.6250	0.0500	0.6250	0.5983	0.0884
yeast	0.5270	0.0946	0.5270	0.3914	0.4487
yeastCYT-POX	0.9388	0.0612	0.9388	0.5449	0.5239
yeastEXC	0.9527	0.0473	0.9527	0.1981	0.5887
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9392	0.0608	0.9392	0.1527	0.6285
zip	0.9323	0.0135	0.9323	0.9241	0.1061
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 10: Detailed results for CatBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1736	0.0412	0.1440	0.0484	0.4222
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9451	0.0549	0.9451	0.7337	0.2315
adult	0.8565	0.1435	0.8565	0.5628	0.5844
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7130	0.2945	0.7116	0.3525	0.7877
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7000	0.3000	0.7000	0.1176	0.7934
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8911	0.1073	0.8830	0.6801	0.4973
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.8876	0.0449	0.8876	0.7468	0.1954
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9374	0.0313	0.9374	0.8802	0.1685
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.9040	0.0240	0.9040	0.8382	0.1294
anuran-species	0.9000	0.0200	0.9000	0.8594	0.1280
aps-failure	0.9868	0.0132	0.9868	0.4572	0.2056
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.5556	0.0684	0.5556	0.0644	0.2988
auction	0.9363	0.0637	0.9363	0.6503	0.2920
audiology	0.6482	0.0218	0.6478	0.5911	0.1110
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6500	0.1167	0.6500	0.5122	0.2366
avila	0.6272	0.0621	0.6272	0.4641	0.2961
balance	0.9194	0.0538	0.9194	0.8483	0.1273
bank	0.9073	0.0927	0.9073	0.4338	0.5614
banknote	0.9489	0.0511	0.9489	0.8977	0.2281

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8664	0.1336	0.8664	0.6937	0.4588
basehock	0.9095	0.0905	0.9095	0.8192	0.3312
bio	0.9957	0.0043	0.9957	0.6911	0.0844
biodeg	0.8000	0.2000	0.8000	0.5568	0.6479
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9986	0.0000	0.9977	-0.0092	0.0122
block10%	0.9998	0.0002	0.9998	0.9654	0.0016
block10%	0.9998	0.0002	0.9998	0.9654	0.0016
breast-cancer	0.8214	0.1786	0.8214	0.4615	0.3522
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1603
bridges	0.6094	0.1139	0.6030	0.2730	0.2299
bub10at310k-hg16-17	0.9131	0.0869	0.9131	0.1169	0.3354
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.4384	0.3038
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.8391	0.0805	0.8391	0.6689	0.2083
card	0.8551	0.1449	0.8551	0.7081	0.5394
cardiotocography	0.7512	0.0498	0.7512	0.6947	0.1878
cardiotocography-nsp	0.8826	0.0782	0.8826	0.6486	0.3575
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6364	0.4724
cas_N6512_cdk_ECFP2	0.6375	0.3625	0.6375	0.2867	0.8545
cdc_diabetes	0.8481	0.1013	0.8481	0.1199	0.2656
census10%	0.9465	0.0535	0.9465	0.2177	0.2694
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9419	0.0581	0.9419	0.4173	0.4835
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9419	0.0581	0.9419	0.5212	0.1556
chemo_fontaine	0.8372	0.1628	0.8372	0.6471	0.6011
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7500	0.2500	0.7500	-0.0579	0.7500
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6574	0.5971
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.6632	0.3368	0.6632	0.1975	0.8132
cirrhosis	0.7619	0.1587	0.7619	0.5024	0.3368
cjs	0.9786	0.0071	0.9786	0.9738	0.0334
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7065	0.1468	0.7065	0.5139	0.3513
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.4167	0.3889	0.4167	-0.0244	0.5553
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5578	0.2948	0.5578	0.2941	0.6677
cnae-9	0.7778	0.0494	0.7778	0.7500	0.1789
codon_usage	0.6938	0.0557	0.6938	0.6174	0.2498
coil20	0.8194	0.0181	0.8194	0.8099	0.1117
collins	0.7400	0.0347	0.7400	0.7124	0.1171
colon-tumor	0.3333	0.6667	0.3333	-0.5000	1.0000
colposcopies-1	0.6552	0.3448	0.6552	0.1570	0.8836
colposcopies-2	0.6207	0.3793	0.6207	0.0420	0.7669
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7586	0.2414	0.7586	0.1714	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.8276	0.1724	0.8276	0.4487	0.6170
column-2c	0.8065	0.1935	0.8065	0.5792	0.6633
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9812	0.0125	0.9812	0.3235	0.0369
cottonmeloidogyne	0.7212	0.2788	0.7212	0.4426	0.7898
coupon	0.6798	0.3202	0.6798	0.3284	0.8371
covtype	0.6827	0.0906	0.6827	0.4705	0.3084
covtypeCD	0.9513	0.0487	0.9513	0.7735	0.3093
covtypeT	0.9551	0.0449	0.9551	0.5558	0.3427
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8525	0.0492	0.8525	0.6715	0.2488
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3253	0.1051
cyclopentane	0.7037	0.2963	0.7037	0.3684	0.6911
cylinder-bands	0.7037	0.2963	0.7037	0.3656	0.7781
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8250	0.1750	0.8250	0.3827	0.6332
deposit	0.8954	0.1046	0.8954	0.2512	0.4617
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.2000	0.4997
dexter	0.8667	0.1333	0.8667	0.7333	0.4499
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5642	0.6056
diabetes	0.8654	0.1346	0.8654	0.7129	0.5322
diabetic10%	0.5727	0.2849	0.5727	0.1251	0.4833
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5612	0.4388	0.5612	0.0891	0.8490
dropout	0.7291	0.1806	0.7291	0.5402	0.5148
drug-01	0.3989	0.1717	0.3989	0.0011	0.3037
drug-02	0.5106	0.1398	0.5106	-0.0024	0.3351
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5266	0.1353	0.5266	0.0024	0.3355
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4362	0.1611	0.4362	0.2685	0.3837
drug-07	0.4468	0.1581	0.4468	0.0453	0.3348
drug-08	0.5691	0.1231	0.5691	0.0663	0.2711
drug-09	0.8724	0.0346	0.8623	0.0118	0.1217
drug-10	0.5479	0.1292	0.5479	0.0751	0.3556
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6117	0.1109	0.6117	0.1931	0.3280
drug-14	0.5904	0.1170	0.5904	0.1845	0.3721
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5585	0.1261	0.5585	0.2005	0.3579
drug-17	0.3777	0.1778	0.3777	0.1249	0.4331
drug-18	0.9860	0.0063	0.9812	0.0016	0.0144
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.8979	0.0292	0.8979	0.8761	0.1477
ecoli	0.6792	0.0802	0.6763	0.5483	0.2561
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9091	0.0909	0.9091	0.3529	0.6260
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.3474	0.0816	0.3474	0.2662	0.5430
eeg-eye	0.7323	0.2677	0.7323	0.4476	0.7554
EPA_FHM	0.9344	0.0656	0.9344	0.0000	0.1655
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3333	0.8409
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6078	0.5547
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.5722	0.4596
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5114	0.7052
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.5279	0.2289
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8388	0.1996
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6395	0.5945
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.5890	0.1644	0.5890	0.4622	0.4042
euthyroid	0.9715	0.0285	0.9715	0.8367	0.3176
exon.vs.intron-freq	0.9236	0.0764	0.9236	0.8462	0.3429
fbis-wc	0.5650	0.0512	0.5650	0.4891	0.2576
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5000	0.1250	0.5000	0.3548	0.2436
fontaine_MACCS	0.8636	0.1364	0.8636	0.7273	0.4205
fonts10%	0.3655	0.0083	0.3655	0.3091	0.3387
forest	0.8269	0.0865	0.8269	0.7612	0.2485
gas	0.8217	0.0594	0.8217	0.7833	0.2300
gastrointestinal	0.7500	0.1667	0.7500	0.5705	0.3189
gender	0.5916	0.2723	0.5916	0.0388	0.4363
gene	0.8896	0.0736	0.8896	0.8256	0.2861
german	0.6700	0.3300	0.6700	0.1033	0.6724
gina	0.8991	0.1009	0.8991	0.7983	0.4343
glass	0.8095	0.0635	0.8095	0.7282	0.1213
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7143	0.2857	0.7143	0.3571	0.8215
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1615	0.5925
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.8536	0.0244	0.8536	0.8264	0.1457
har70	0.8520	0.0423	0.8520	0.7834	0.1703
harth10%	0.7946	0.0342	0.7946	0.7152	0.1812
hayes-roth	0.4375	0.3750	0.4375	0.0828	0.5511
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9333	0.0667	0.9333	0.8661	0.3279
hepatitis	0.9333	0.0667	0.9333	0.7619	0.1858

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8378	0.1622	0.8378	0.6756	0.5866
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.4118	0.3750
higgs10%	0.6758	0.3242	0.6758	0.3517	0.8488
higher	0.2143	0.1964	0.2143	0.0000	0.3747
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8617	0.1383	0.8617	0.3529	0.5377
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.5278	0.3148	0.5278	0.0947	0.5627
htru2	0.9793	0.0207	0.9793	0.8682	0.1975
ht-sensor	0.7369	0.1754	0.7369	0.6068	0.4705
hypothyroid	0.9717	0.0142	0.9830	0.8590	0.1811
hypothyroidT	0.9947	0.0053	0.9947	0.9626	0.1146
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9143	0.0857	0.9143	0.7961	0.3975
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.5777	0.0325	0.5777	0.5608	0.2805
jm1	0.8127	0.1873	0.8127	0.0937	0.5002
fvowels	0.7922	0.0462	0.7922	0.7639	0.2607
kc1	0.8578	0.1422	0.8578	0.2344	0.5430
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.6334	0.0435	0.6339	0.1147	0.1160
kc1-class-level-top5percentDF	0.8000	0.2000	0.8000	-0.0976	0.5661
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.3875	0.0681	0.3875	0.3078	0.4883
krvskp	0.9436	0.0564	0.9436	0.8869	0.2908
la1s-wc	0.6540	0.1153	0.6540	0.5480	0.3859
la2s-wc	0.5993	0.1336	0.5993	0.4668	0.3954
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.5294	0.0235	0.5294	0.5095	0.0937
led24	0.7500	0.0500	0.7500	0.7183	0.1008
lenses	0.3333	0.4444	0.3333	0.0000	0.3333
letter	0.6310	0.0284	0.6310	0.6162	0.3266
leukemia	0.7143	0.1905	0.7143	0.5625	0.3324
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6111	0.0519	0.6111	0.5831	0.1743
linkage10%	0.9999	0.0001	0.9999	0.9903	0.0005
liver	0.7353	0.2647	0.7353	0.4093	0.7890
localization	0.5469	0.0824	0.5469	0.4008	0.3901
lrs	0.7852	0.0356	0.7849	0.6992	0.1675
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8095	0.0762	0.8095	0.5410	0.1518
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.4444	0.1568
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.5000	0.1429	0.5000	0.3962	0.1202
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7901	0.1043	0.7780	0.5692	0.2658
lymphoma2	0.5556	0.0988	0.5556	0.3684	0.1342
madelon	0.8769	0.1231	0.8769	0.7538	0.4951
magic04	0.8343	0.1657	0.8343	0.6116	0.5539

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8438	0.1562	0.8438	0.6834	0.5448
MAO_MACCS	0.7143	0.2857	0.7143	0.4615	0.5000
maternal	0.6238	0.2508	0.6238	0.4209	0.5351
messidor	0.6261	0.3739	0.6261	0.2647	0.8711
meter-A	0.5000	0.5000	0.5000	0.0588	0.9056
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.8333	0.0833	0.8333	0.7611	0.1597
mfeat-fac	0.8850	0.0230	0.8850	0.8722	0.1258
mfeat-fou	0.7000	0.0600	0.7000	0.6667	0.2463
mfeat-kar	0.7950	0.0410	0.7950	0.7722	0.2346
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2181
mfeat-pix	0.8950	0.0210	0.8950	0.8833	0.1247
mfeat-zer	0.6550	0.0690	0.6550	0.6167	0.2812
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.5588	0.1765	0.5588	0.4498	0.4093
mobile	0.5280	0.0169	0.5280	0.5194	0.1992
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9285	0.2076
mushroom	0.9975	0.0025	0.9975	0.9951	0.0207
musk	0.9197	0.0803	0.9197	0.6251	0.3264
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7489
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1276	0.9466
MUT_ci300400a	0.7594	0.2406	0.7594	0.5117	0.7369
MUT_ci300400a_cdk_ECFP2	0.7242	0.2758	0.7242	0.4357	0.7920
myocardial	0.8529	0.0368	0.8529	0.1266	0.1187
naticusdroid	0.9420	0.0580	0.9420	0.8841	0.2865
nci9	0.0000	0.2222	0.0000	-0.1613	0.2351
ncRNA10%	0.8873	0.0119	0.8873	0.6541	0.1956
newspop	0.6544	0.3456	0.6544	0.2993	0.8702
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9304	0.0696	0.9304	0.8264	0.3621
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0270	0.4882
nursery	0.8904	0.0438	0.8904	0.8377	0.1310
obs	0.7963	0.1019	0.7963	0.6867	0.2083
occupancy	0.9878	0.0122	0.9878	0.9662	0.1307
Occupancy_Estimation	0.9852	0.0074	0.9852	0.9547	0.0432
oh0-wc	0.7525	0.0495	0.7525	0.7096	0.1569
oh10-wc	0.5619	0.0876	0.5619	0.4883	0.2912
oh15-wc	0.6413	0.0717	0.6413	0.5842	0.2656
oh5-wc	0.6593	0.0681	0.6593	0.6108	0.2110
opn310k	0.9120	0.0880	0.9120	0.0852	0.3051
opnat310k-hg16-17	0.9129	0.0871	0.9129	0.0920	0.2726
optdigits	0.8327	0.0335	0.8327	0.8140	0.2098
optdigitsZ	0.9911	0.0089	0.9911	0.9446	0.1384
orl	0.4000	0.0300	0.4000	0.3846	0.1153
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9634	0.0146	0.9634	0.7644	0.0994

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8951	0.1049	0.8951	0.7375	0.4894
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5722	0.4278	0.5722	-0.0164	0.6775
pd	0.8684	0.1316	0.8684	0.5745	0.2929
pediatric-leukemia	0.6765	0.0924	0.6765	0.5930	0.2437
pendigits	0.8826	0.0235	0.8826	0.8695	0.1497
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.7835	0.2165	0.7835	0.4916	0.7039
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9418
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7787	0.4355
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.6000	0.4000	0.6000	0.1304	0.9336
phishing	0.9469	0.0531	0.9469	0.8893	0.2887
phoneme	0.8315	0.1685	0.8315	0.5875	0.6490
phy	0.6884	0.3116	0.6884	0.3768	0.8357
pima	0.7368	0.2632	0.7368	0.4154	0.7389
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.5839	0.0832	0.5839	0.1969	0.2353
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9459	0.0541	0.9459	0.3660	0.2519
polya	0.7503	0.2497	0.7503	0.4130	0.7334
popularity	0.6552	0.2298	0.6552	0.1183	0.3986
post-operative	0.6690	0.2277	0.6576	0.0104	0.2318
postures	0.7768	0.0893	0.7768	0.7209	0.3158
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8439
primary-tumor	0.3500	0.0644	0.3622	0.2861	0.2398
profb	0.7313	0.2687	0.7313	0.2299	0.4308
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.8182	0.1818	0.8182	0.6207	0.4011
puc-rio	0.8731	0.0508	0.8731	0.8280	0.2222
pufs-6410%	0.5011	0.4989	0.5011	0.0022	0.9990
raisin	0.9111	0.0889	0.9111	0.8222	0.3796
re0-wc	0.6200	0.0585	0.6200	0.4375	0.2270
re1-wc	0.5663	0.0347	0.5663	0.4680	0.2293
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6299	0.3701	0.6299	0.1718	0.8666
RT_IOT2022	0.9851	0.0025	0.9851	0.9625	0.0261
satimage	0.8289	0.0570	0.8289	0.7865	0.2220
satimageF	0.9860	0.0140	0.9860	0.9265	0.1603
satimageT	0.9098	0.0902	0.9098	0.1783	0.2096
scadi	0.5741	0.1210	0.5612	0.4018	0.2142
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.6176	0.3824	0.6176	0.2353	0.9023
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.8421	0.1579	0.8421	0.6818	0.5798
segment	0.9091	0.0260	0.9091	0.8937	0.1135
segmentO	0.9827	0.0173	0.9827	0.9275	0.0667

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.8080	0.0349	0.8080	0.7888	0.1660
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8978	0.1022	0.8978	0.5731	0.5619
shuttle	0.9969	0.0009	0.9969	0.9912	0.0368
sick	0.9761	0.0239	0.9761	0.7685	0.0796
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.9810	0.0190	0.9810	0.9436	0.1932
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.7266	0.0911	0.7266	0.6454	0.1976
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.8676	0.0139	0.8676	0.8538	0.0567
spambase	0.9217	0.0783	0.9217	0.8338	0.3499
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.7714	0.2286	0.7714	0.3636	0.7272
spectrometer	0.3621	0.0227	0.3599	0.3105	0.2134
splice-EI	0.9590	0.0410	0.9590	0.8881	0.2274
splice-IE	0.9338	0.0662	0.9338	0.8254	0.4004
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8410	0.1590	0.8410	0.4232	0.6067
steel-d	0.9795	0.0205	0.9795	0.4922	0.0689
steel_industry	0.8642	0.0906	0.8642	0.7805	0.2834
steel-k	0.9692	0.0308	0.9692	0.9020	0.1773
steel-o	0.7385	0.2615	0.7385	0.3609	0.7364
steel-p	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9744	0.0256	0.9744	0.8638	0.3518
studentap	0.6923	0.2051	0.6923	0.5094	0.3995
student-weekend	0.3692	0.2523	0.3692	0.0550	0.5457
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7753	0.2247	0.7753	0.5429	0.7001
swarm_aligned	0.9992	0.0008	0.9992	0.9981	0.0106
swarm_flocking	0.9983	0.0017	0.9983	0.9967	0.0167
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6076
Tdp_desc	0.8056	0.1944	0.8056	0.2759	0.6436
texture	0.8000	0.0364	0.8000	0.7796	0.1937
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9158	0.0842	0.9158	0.7992	0.2428
tis	0.8930	0.1070	0.8930	0.6913	0.4685
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1603
tox_171	0.4706	0.2647	0.4706	0.2982	0.3450
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7333	0.2667	0.7333	-0.0504	0.7271
trec11-wc	0.7317	0.0596	0.7317	0.6488	0.1422
trec12-wc	0.6129	0.0968	0.6129	0.5267	0.2333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7273	0.0909	0.7273	0.1490	0.1903
trec23-wc	0.8095	0.0635	0.8095	0.7273	0.1285
trec31-wc	0.8817	0.0338	0.8817	0.8370	0.1034
trec41-wc	0.8182	0.0364	0.8182	0.7751	0.1271
trec45-wc	0.7391	0.0522	0.7391	0.6904	0.1735
tuandromd	0.9686	0.0314	0.9686	0.9042	0.2634
turkish	0.7000	0.1500	0.7000	0.6000	0.3190
tvnews	0.8687	0.1313	0.8687	0.7121	0.5232
urban	0.7313	0.0597	0.7313	0.6827	0.1964
vehicle	0.7262	0.1369	0.7262	0.6269	0.3181
vehicleVAN	0.9286	0.0714	0.9286	0.8154	0.4105
voice	0.6667	0.3333	0.6667	0.1429	0.8617
vote	0.8837	0.1163	0.8837	0.7666	0.4380
vowel	0.4848	0.0937	0.4848	0.4333	0.2784
vowelZ	0.9192	0.0808	0.9192	0.1852	0.1938
vrnormat310k-hg16-17	0.9095	0.0905	0.9095	0.0093	0.2188
wap-wc	0.4808	0.0519	0.4808	0.4037	0.3010
warpar10p	0.5385	0.0923	0.5385	0.4834	0.1552
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.6477	0.1007	0.6477	0.5857	0.3431
watch-gyr10%	0.6555	0.0984	0.6555	0.5961	0.2922
waveform	0.8080	0.1280	0.8080	0.7121	0.4116
web-phishing	0.8444	0.1037	0.8444	0.7079	0.2798
weight-lift	0.6576	0.1370	0.6576	0.5640	0.4282
white-clover	0.4909	0.2408	0.5028	-0.2900	0.3980
wifi-loc	0.9650	0.0175	0.9650	0.9533	0.0637
wilt	0.9669	0.0331	0.9669	0.5152	0.2455
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5535	0.1488	0.5535	0.2569	0.3760
winequality-white	0.5235	0.1361	0.5235	0.2042	0.3625
winnipeg	0.9375	0.0179	0.9375	0.9209	0.1034
yale	0.5000	0.0667	0.5000	0.4622	0.1138
yeast	0.5473	0.0905	0.5473	0.4161	0.3588
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.8194	0.0361	0.8194	0.7976	0.2372
zoo	0.8000	0.0571	0.8000	0.7333	0.0447

Table 11: Detailed results for BrownBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1326	0.0599	0.1659	0.0934	0.6271
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9744	0.0256	0.9744	0.3257	0.5734
ads	0.9573	0.0427	0.9573	0.8230	0.3613
adult	0.8112	0.1888	0.8112	0.4810	0.7112
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.6944	0.3056	0.6944	-0.1786	0.7728
AID_1431	0.8254	0.1746	0.8254	-0.0124	0.6978
AID1608Morered	0.8738	0.1262	0.8738	0.0656	0.6699
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7429	0.2571	0.7429	0.2132	0.7892
AID362red	0.9790	0.0210	0.9790	0.1713	0.5745
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9978	0.0022	0.9978	0.1323	0.4884
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9910	0.0090	0.9910	-0.0040	0.4041
AID600_MACCS	0.6928	0.2960	0.6973	0.3501	0.7870
AID_602330	0.8802	0.1198	0.8802	0.0247	0.5228
AID604	0.9996	0.0004	0.9996	0.9410	0.1510
AID604AID644_AllRed	0.9978	0.0022	0.9978	0.2343	0.4896
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.5000	0.5000	0.5000	-0.1905	0.9701
AID_652128	0.7778	0.1481	0.7778	-0.0934	0.6203
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9943	0.0057	0.9943	0.0924	0.5227
AID688red	0.9809	0.0191	0.9809	-0.0096	0.5269
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9978	0.0022	0.9978	-0.0011	0.4864
AID746red	0.9890	0.0110	0.9890	0.1896	0.5348
AID_773	0.7778	0.2222	0.7778	0.1290	0.6967
AID852_MACCS	0.8884	0.1080	0.8817	0.6711	0.4926
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9611	0.0195	0.9611	0.9249	0.0960
anuran-f-b	0.9958	0.0042	0.9958	0.7980	0.4644
anuran-genus	0.9624	0.0094	0.9624	0.9379	0.1387
anuran-species	0.9681	0.0064	0.9681	0.9556	0.0692
aps-failure	0.9891	0.0109	0.9891	0.6969	0.4427
arcene	0.7000	0.3000	0.7000	0.3478	0.8165
arrhythmia	0.7556	0.0376	0.7556	0.6298	0.2316
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8257	0.0021	0.8146	0.7975	0.0359
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9832	0.0028	0.9832	0.9782	0.0376
balance	0.7903	0.1398	0.7903	0.6399	0.3919
bank	0.8886	0.1114	0.8886	0.4493	0.6542
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7995	0.2005	0.7995	0.5677	0.6829
basehock	0.9497	0.0503	0.9497	0.8995	0.2604
bio	0.9953	0.0047	0.9953	0.7353	0.4039
biodeg	0.8286	0.1714	0.8286	0.6294	0.6130
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	0.9839	0.0150	0.9887	0.3443	0.6602
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6071	0.3929	0.6071	0.0723	0.9102
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.4545	0.5455	0.4545	-0.0645	0.9927
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.6984	0.0959	0.6902	0.5863	0.1460
bub10at310k-hg16-17	0.8731	0.1269	0.8731	0.2697	0.6903
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8261	0.1739	0.8261	0.6465	0.6157
cardiotocography	0.8263	0.0347	0.8263	0.7920	0.2202
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7822	0.2599
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.3751
cas_N6512_cdk_ECFP2	0.7404	0.2596	0.7404	0.4785	0.7653
cdc_diabetes	0.7853	0.1431	0.7853	0.1826	0.6450
census10%	0.9261	0.0739	0.9261	0.3650	0.6317
central-nervous-system	0.3333	0.6667	0.3333	-0.5000	1.0000
cervical-B	0.9419	0.0581	0.9419	0.6362	0.5550
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9996	0.0004	0.9996	0.8082	0.3578
ci100410h_MACCS	0.6875	0.3125	0.6875	0.1710	0.8294
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6426	0.6065
ci200186m_DESC_PADEL	0.7778	0.2222	0.7778	0.5235	0.7196
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6857	0.5682
ci900367j_MACCS	0.5684	0.4316	0.5684	0.0978	0.9482
cirrhosis	0.6905	0.2063	0.6905	0.4013	0.6644
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7583	0.1208	0.7583	0.6360	0.4980
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.3333	0.4444	0.3333	-0.0909	0.4285
cm1	0.8200	0.1800	0.8200	0.0816	0.7182
cmc	0.5510	0.2993	0.5510	0.2870	0.6921
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0726
codon_usage	0.8534	0.0267	0.8534	0.8221	0.2795
coil20	0.9653	0.0035	0.9653	0.9634	0.0240
collins	0.9400	0.0080	0.9400	0.9342	0.0315
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.4483	0.5517	0.4483	-0.1100	1.0000
colposcopies-4	0.6207	0.3793	0.6207	0.0124	0.9248

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	-0.1810	0.8560
colposcopies-6	0.5862	0.4138	0.5862	0.1754	0.9337
colposcopies-c	0.6897	0.3103	0.6897	0.1920	0.8470
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6895	0.2733
connect-4	0.9859	0.0094	0.9859	0.6852	0.3891
cottonmeloidogyne	0.6803	0.3197	0.6803	0.3604	0.8456
coupon	0.7043	0.2957	0.7043	0.3973	0.8188
covtype	0.9428	0.0163	0.9428	0.9080	0.1507
covtypeCD	0.9841	0.0159	0.9841	0.9326	0.1842
covtypeT	0.9839	0.0161	0.9839	0.8761	0.2712
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.2459	0.7892
crowdsourced	0.9207	0.0264	0.9207	0.8360	0.2122
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3750	0.0312	0.3750	0.3568	0.0977
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7963	0.2037	0.7963	0.5948	0.6428
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7247	0.2753	0.7247	0.2271	0.8233
deposit	0.8795	0.1205	0.8795	0.4152	0.6706
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	0.0476	0.6406
dexter	0.8667	0.1333	0.8667	0.7333	0.5209
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5346	0.7157
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5098	0.3268	0.5098	0.0923	0.7492
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5223	0.4777	0.5223	0.0415	0.9868
dropout	0.7065	0.1956	0.7065	0.5226	0.5704
drug-01	0.3191	0.1945	0.3191	0.0172	0.8696
drug-02	0.3883	0.1748	0.3883	0.1072	0.7827
drug-03	0.6330	0.1049	0.6330	0.1725	0.5398
drug-04	0.4043	0.1702	0.4043	0.1325	0.8430
drug-05	0.6489	0.1003	0.6489	-0.0058	0.6517
drug-06	0.3404	0.1885	0.3404	0.1997	0.6987
drug-07	0.3830	0.1763	0.3830	0.0300	0.5378
drug-08	0.4894	0.1459	0.4894	0.1467	0.7894
drug-09	0.8209	0.0499	0.8035	0.0820	0.4935
drug-10	0.4894	0.1459	0.4894	0.1336	0.7309
drug-11	0.7926	0.0593	0.7926	0.0690	0.7719
drug-12	0.7128	0.0821	0.7128	0.0204	0.6413
drug-13	0.5638	0.1246	0.5638	0.2269	0.7010
drug-14	0.4628	0.1535	0.4628	0.1248	0.7248
drug-15	0.6862	0.0897	0.6862	0.0566	0.7488
drug-16	0.5106	0.1398	0.5106	0.2131	0.6811
drug-17	0.2926	0.2021	0.2926	0.1227	0.8109
drug-18	0.9875	0.0013	1.0000	0.0089	0.0219
drug-19	0.6862	0.0897	0.6862	0.1126	0.6043
drybean	0.8935	0.0304	0.8935	0.8713	0.1658
ecoli	0.8984	0.0200	0.9060	0.8674	0.0884
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.4650	0.0669	0.4650	0.4086	0.6209
eeg-eye	0.8411	0.1589	0.8411	0.6785	0.5826
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.1558	0.9238
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.6099	0.6431
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4362	0.7630
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8136	0.3324
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.7377	0.2623	0.7377	0.4078	0.7760
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6986	0.1205	0.6986	0.6112	0.3371
euthyroid	0.9525	0.0475	0.9525	0.7278	0.4447
exon.vs.intron-freq	0.9650	0.0350	0.9650	0.9298	0.2048
fbis-wc	0.7886	0.0249	0.7886	0.7609	0.1832
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.5000	0.1250	0.5000	0.3846	0.3240
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.6495	0.0046	0.6495	0.6313	0.2894
forest	0.8654	0.0673	0.8654	0.8137	0.1815
gas	0.9784	0.0072	0.9784	0.9738	0.0484
gastrointestinal	0.6875	0.2083	0.6875	0.5092	0.4985
gender	0.5579	0.2947	0.5579	0.1417	0.6959
gene	0.9022	0.0652	0.9022	0.8425	0.2668
german	0.6300	0.3700	0.6300	0.1232	0.9156
gina	0.8876	0.1124	0.8876	0.7750	0.4662
glass	0.6667	0.1111	0.6667	0.5449	0.3289
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7500	0.4011
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.3750	0.2321
glioma-grade	0.8333	0.1667	0.8333	0.6571	0.6041
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4000	0.3000	0.4000	0.1867	0.6076
haberman	0.6667	0.3333	0.6667	0.0741	0.8997
hapt	0.9195	0.0134	0.9195	0.9048	0.0911
har70	0.9122	0.0251	0.9122	0.8700	0.3107
harth10%	0.8598	0.0234	0.8598	0.8097	0.2569
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.7037	0.2963	0.7037	0.3684	0.8172
heart-c	0.7667	0.2333	0.7667	0.5249	0.6926
hepatitis	0.6000	0.4000	0.6000	0.1667	0.7161

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8115	0.1885	0.8115	0.6230	0.6422
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6000	0.4000	0.6000	0.1304	0.8900
higgs10%	0.6460	0.3540	0.6460	0.2897	0.8847
higher	0.4286	0.1429	0.4286	0.3171	0.2956
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9433	0.0567	0.9433	-0.0273	0.6360
horse	0.6667	0.2222	0.6667	0.3975	0.5526
htru2	0.9682	0.0318	0.9682	0.8103	0.3714
ht-sensor	0.9997	0.0002	0.9997	0.9995	0.0022
hypothyroid	1.0000	0.0155	0.9949	0.9853	0.0165
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8370	0.0125	0.8370	0.8304	0.1311
jm1	0.7640	0.2360	0.7640	0.2433	0.7989
fvowels	0.9076	0.0205	0.9076	0.8954	0.1439
kc1	0.8389	0.1611	0.8389	0.3576	0.7193
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.4320	0.0463	0.4383	0.1540	0.1986
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8845	0.0128	0.8845	0.8711	0.1454
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7937	0.0688	0.7937	0.7405	0.3249
la2s-wc	0.8113	0.0629	0.8113	0.7614	0.2930
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5982	0.0753
led24	0.5000	0.1000	0.5000	0.4429	0.2391
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9235	0.0059	0.9235	0.9204	0.0862
leukemia	0.7143	0.1905	0.7143	0.5882	0.2985
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7222	0.0370	0.7222	0.7007	0.1164
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.5588	0.4412	0.5588	0.1356	0.8674
localization	0.7031	0.0540	0.7031	0.6294	0.5540
lrs	0.8059	0.0559	0.7972	0.7011	0.1832
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5385	0.1295
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8493	0.0720	0.8489	0.7484	0.1617
lymphoma2	0.4444	0.1235	0.4444	0.3077	0.1935
madelon	0.7846	0.2154	0.7846	0.5692	0.6923
magic04	0.8185	0.1815	0.8185	0.6074	0.6478

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5245	0.7058
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7446	0.3750
messidor	0.5304	0.4696	0.5304	0.0490	0.9791
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8333	0.0833	0.8333	0.7712	0.1972
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0963
mfeat-fou	0.8000	0.0400	0.8000	0.7778	0.1860
mfeat-kar	0.8950	0.0210	0.8950	0.8833	0.1234
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2113
mfeat-pix	0.9450	0.0110	0.9450	0.9389	0.0696
mfeat-zer	0.6700	0.0660	0.6700	0.6333	0.2460
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4832	0.4452
mobile	0.8147	0.0066	0.8147	0.8113	0.0824
monks-1	0.9455	0.0545	0.9455	0.8908	0.2776
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9621	0.0379	0.9621	0.8458	0.2416
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7701
MUT_ci034254q_MACCS	0.5574	0.4426	0.5574	0.1159	0.9580
MUT_ci300400a	0.8033	0.1967	0.8033	0.5945	0.6607
MUT_ci300400a_cdk_ECFP2	0.7950	0.2050	0.7950	0.5823	0.6769
myocardial	0.8706	0.0324	0.8706	0.4226	0.2130
naticusdroid	0.9690	0.0310	0.9690	0.9379	0.1863
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.9325	0.0071	0.9325	0.8178	0.5898
newspop	0.5868	0.4132	0.5868	0.1706	0.9400
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9428	0.0572	0.9428	0.8597	0.3279
NPHA-doctor-visits	0.3611	0.4259	0.3611	-0.0356	0.8339
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0807
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9729	0.0348
oh0-wc	0.8515	0.0297	0.8515	0.8306	0.1425
oh10-wc	0.7333	0.0533	0.7333	0.6967	0.2530
oh15-wc	0.7609	0.0478	0.7609	0.7282	0.2229
oh5-wc	0.7143	0.0571	0.7143	0.6776	0.2731
opn310k	0.8750	0.1250	0.8750	0.2793	0.6885
opnat310k-hg16-17	0.8775	0.1225	0.8775	0.2892	0.6868
optdigits	0.9342	0.0132	0.9342	0.9268	0.0929
optdigitsZ	0.9893	0.0107	0.9893	0.9341	0.1764
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9407	0.0593	0.9407	0.1798	0.6134
ozone8hr	0.8933	0.1067	0.8933	0.2499	0.6744
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8709	0.2104

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9750	0.0250	0.9750	0.9478	0.1158
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8918	0.1082	0.8918	0.7318	0.5033
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.8919	0.1081	0.8919	0.1917	0.6792
pcmac	0.4536	0.5464	0.4536	-0.1040	1.0000
pd	0.8421	0.1579	0.8421	0.5472	0.6265
pediatric-leukemia	0.6765	0.0924	0.6765	0.6021	0.2798
pendigits	0.9663	0.0067	0.9663	0.9626	0.0544
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5605	0.6809
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8016	0.1984	0.8016	0.6012	0.6621
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.6939	0.5468
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9551	0.0449	0.9551	0.9053	0.2439
phoneme	0.8944	0.1056	0.8944	0.7406	0.4950
phy	0.6498	0.3502	0.6498	0.2996	0.8803
pima	0.7105	0.2895	0.7105	0.3942	0.8151
plx	0.5556	0.4444	0.5556	0.0137	0.9013
poker	0.6458	0.0708	0.6458	0.3542	0.4213
polish-1st	0.9772	0.0228	0.9772	0.6919	0.4519
polish-2nd	0.9459	0.0541	0.9459	0.3248	0.6109
polish-3rd	0.9324	0.0676	0.9324	0.2883	0.6286
polish-4th	0.9520	0.0480	0.9520	0.5731	0.5658
polish-5th	0.9340	0.0660	0.9340	0.4831	0.5957
polya	0.7081	0.2919	0.7081	0.3666	0.8236
popularity	0.5586	0.2942	0.5586	0.1212	0.7162
post-operative	0.5580	0.3108	0.5460	-0.1956	0.4862
postures	0.9745	0.0102	0.9745	0.9681	0.0624
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.4636	0.0406	0.4541	0.3896	0.1945
profb	0.6418	0.3582	0.6418	0.2408	0.8663
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.7200	0.4011
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9833	0.0067	0.9833	0.9777	0.0562
pufs-6410%	0.4991	0.5009	0.4991	-0.0018	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.7533	0.0379	0.7533	0.6860	0.3849
re1-wc	0.8313	0.0135	0.8313	0.8085	0.2027
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.6299	0.3701	0.6299	0.2376	0.9021
RT_IOT2022	0.9988	0.0002	0.9988	0.9969	0.0038
satimage	0.8569	0.0477	0.8569	0.8245	0.2091
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.9020	0.0980	0.9020	0.4921	0.6321
scadi	0.4382	0.1663	0.4235	0.3488	0.1386
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.8910	0.1090	0.8910	0.0474	0.6798
secondary_mushroom	0.9993	0.0007	0.9993	0.9987	0.0077
segment	0.9567	0.0124	0.9567	0.9494	0.0509
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9070	0.0930	0.9070	0.0961	0.6807
semeion	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram	0.7868	0.2132	0.7868	0.0904	0.7696
sens-2-gram	0.7789	0.2211	0.7789	0.0489	0.7749
sens-3-gram	0.7737	0.2263	0.7737	0.0577	0.7692
sens-4-gram	0.8184	0.1816	0.8184	0.1703	0.7607
sensorless	0.9858	0.0026	0.9858	0.9844	0.0251
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8621	0.1379	0.8621	0.4595	0.6727
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8665	0.2333
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9994	0.0006	0.9994	0.9983	0.0095
smk_can_187	0.5263	0.4737	0.5263	0.0757	0.9099
solar-flare	0.7626	0.0791	0.7626	0.6978	0.2402
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.8978	0.1022	0.8978	0.7874	0.4493
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8286	0.1714	0.8286	0.5800	0.6541
spectrometer	0.5192	0.0113	0.5010	0.4845	0.1575
splice-EI	0.9432	0.0568	0.9432	0.8483	0.3350
splice-IE	0.8833	0.1167	0.8833	0.6724	0.5491
sport-articles	0.7600	0.2400	0.7600	0.4964	0.7406
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8154	0.1846	0.8154	0.4724	0.7084
steel-d	0.9795	0.0205	0.9795	0.7039	0.4990
steel_industry	0.8973	0.0685	0.8973	0.8324	0.2311
steel-k	0.9795	0.0205	0.9795	0.9382	0.2014
steel-o	0.7692	0.2308	0.7692	0.4971	0.7370
steel-p	0.9436	0.0564	0.9436	0.6359	0.5334
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9744	0.0256	0.9744	0.8638	0.3518
studentap	0.3077	0.4615	0.3077	-0.0833	0.7006
student-weekend	0.2923	0.2831	0.2923	0.0444	0.7148
student-workday	0.6562	0.1375	0.6562	0.1804	0.4542
susy10%	0.7138	0.2862	0.7138	0.4242	0.8037
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0092
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	0.9996	0.0004	0.9996	0.9991	0.0038
tae	0.5333	0.3111	0.5333	0.3000	0.5597
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9455	0.0099	0.9455	0.9399	0.0638
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.1607	0.7805
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9158	0.0842	0.9158	0.8171	0.4063
tis	0.8729	0.1272	0.8729	0.6516	0.5685
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7059	0.1471	0.7059	0.6065	0.2939
toxicity	0.5294	0.4706	0.5294	-0.0303	0.9755
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6133	0.3867	0.6133	-0.0402	0.9013
trec11-wc	0.9024	0.0217	0.9024	0.8803	0.0913
trec12-wc	0.8065	0.0484	0.8065	0.7672	0.1636

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6508	0.2900
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9140	0.0246	0.9140	0.8860	0.1209
trec41-wc	0.9318	0.0136	0.9318	0.9166	0.0686
trec45-wc	0.9130	0.0174	0.9130	0.8986	0.0646
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7000	0.1500	0.7000	0.6000	0.3605
tvnews	0.9344	0.0656	0.9344	0.8567	0.3196
urban	0.8507	0.0332	0.8507	0.8255	0.1535
vehicle	0.7976	0.1012	0.7976	0.7261	0.2662
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.4646	0.0973	0.4646	0.4111	0.2692
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.8781	0.1219	0.8781	0.2847	0.6879
wap-wc	0.7308	0.0269	0.7308	0.6996	0.2077
warpar10p	0.7692	0.0462	0.7692	0.7383	0.0647
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9974	0.0007	0.9974	0.9970	0.0075
watch-gyr10%	0.9988	0.0003	0.9988	0.9986	0.0039
waveform	0.7340	0.1773	0.7340	0.6010	0.5119
web-phishing	0.8370	0.1086	0.8370	0.7130	0.4338
weight-lift	0.9944	0.0022	0.9944	0.9929	0.0177
white-clover	0.3399	0.3403	0.3424	-0.2026	0.3574
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6038	0.1321	0.6038	0.3683	0.4909
winequality-white	0.6074	0.1122	0.6074	0.4059	0.5083
winnipeg	0.9918	0.0024	0.9918	0.9896	0.0263
yale	0.6250	0.0500	0.6250	0.6000	0.0936
yeast	0.5135	0.0973	0.5135	0.3789	0.4514
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9459	0.0541	0.9459	0.3084	0.5504
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9151	0.0170	0.9151	0.9048	0.1325
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 12: Detailed results for BrownBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0926	0.0591	0.1054	0.0400	0.6038
abalone19	0.0072	0.9928	0.0072	0.0000	0.0204
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.0178	0.9822	0.0178	0.0000	0.0496
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.1389	0.8611	0.1389	0.0000	0.3050
AID1284red	0.1389	0.8611	0.1389	0.0000	0.3050
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.0680	0.9320	0.0680	0.0000	0.1714
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.0140	0.9860	0.0140	0.0000	0.0393
AID373AID439red	0.0002	0.9998	0.0002	0.0000	0.0005
AID373red	0.0010	0.9990	0.0010	0.0000	0.0029
AID439Morered	0.1429	0.8571	0.1429	0.0000	0.3113
AID439red	0.1429	0.8571	0.1429	0.0000	0.3113
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7065	0.2988	0.6999	0.3516	0.7909
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.0036	0.9964	0.0036	0.0000	0.0102
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.3000	0.7000	0.3000	0.0000	0.4809
AID644red	0.3000	0.7000	0.3000	0.0000	0.4809
AID_652128	0.8384	0.1077	0.8384	0.0538	0.5868
AID687AID721red	0.0006	0.9994	0.0006	0.0000	0.0017
AID687red	0.0030	0.9970	0.0030	0.0000	0.0087
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.2222	0.7778	0.2222	0.0000	0.4150
AID721red	0.2222	0.7778	0.2222	0.0000	0.4150
AID746AID1284red	0.0010	0.9990	0.0010	0.0000	0.0029
AID746red	0.0060	0.9940	0.0060	0.0000	0.0172
AID_773	0.1111	0.8889	0.1111	0.0000	0.2575
AID852_MACCS	0.8813	0.1089	0.9008	0.6827	0.4879
all-aml	0.3333	0.6667	0.3333	0.0000	0.5000
anneal	0.9775	0.0090	0.9775	0.9518	0.0313
antivirus	0.1892	0.8108	0.1892	0.0000	0.3767
anuran-family	0.9444	0.0278	0.9444	0.8909	0.0924
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.9318	0.0170	0.9318	0.8831	0.0960
anuran-species	0.9306	0.0139	0.9306	0.9032	0.1160
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.4000	0.6000	0.4000	0.0000	0.5239
arrhythmia	0.7111	0.0444	0.7111	0.5628	0.1825
auction	0.8725	0.1275	0.8725	0.0000	0.2639
audiology	0.6111	0.0197	0.6118	0.5634	0.0509
audit-risk	0.3974	0.6026	0.3974	0.0000	0.5233
autism-adolescent	0.3636	0.6364	0.3636	0.0000	0.5131
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	0.5172	0.4828	0.5172	0.0000	0.5257
autos	0.8000	0.0667	0.8000	0.7297	0.1656
avila	0.9722	0.0046	0.9722	0.9636	0.0360
balance	0.7419	0.1720	0.7419	0.5412	0.5786
bank	0.8874	0.1126	0.8874	0.0000	0.2427
banknote	0.5547	0.4453	0.5547	0.0000	0.5166

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.6382	0.3618	0.6382	0.0000	0.4812
basehock	0.5025	0.4975	0.5025	0.0000	0.5280
bio	0.9911	0.0089	0.9911	0.0000	0.0350
biodeg	0.6190	0.3810	0.6190	0.0000	0.4912
biomed	0.3810	0.6190	0.3810	0.0000	0.5189
bitcoin10%	0.0179	0.0717	0.0158	0.0099	0.1645
block10%	0.0037	0.9963	0.0037	0.0000	0.0105
block10%	0.0037	0.9963	0.0037	0.0000	0.0105
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.5455	0.4545	0.5455	0.0000	0.5193
breast-cancer-ma	0.5455	0.4545	0.5455	0.0000	0.5193
breast-tissue	0.8182	0.0606	0.8182	0.7732	0.1112
bridges	0.6100	0.1007	0.5978	0.4426	0.2183
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.0000	0.3723
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.3750	0.6250	0.3750	0.0000	0.5170
cancer	0.6522	0.3478	0.6522	0.0000	0.4732
car	0.9540	0.0230	0.9540	0.8972	0.0591
card	0.4203	0.5797	0.4203	0.0000	0.5277
cardiotocography	0.7465	0.0507	0.7465	0.6982	0.2783
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7636	0.2614
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6535	0.3435
cas_N6512_cdk_ECFP2	0.4608	0.5392	0.4608	0.0000	0.5307
cdc_diabetes	0.8160	0.1226	0.8160	0.1435	0.6174
census10%	0.9402	0.0598	0.9402	0.0000	0.1548
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.3721	0.6279	0.3721	0.0000	0.5161
Choi_MACCS	0.2500	0.7500	0.2500	0.0000	0.4422
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.6364	0.3636	0.6364	0.0000	0.4822
ci200186m_DESC_PADEL	0.6296	0.3704	0.6296	0.0000	0.4858
ci200186m_ExtendedFingerprinter	0.6364	0.3636	0.6364	0.0000	0.4822
ci900367j_MACCS	0.6211	0.3789	0.6211	0.0000	0.4902
cirrhosis	0.7381	0.1746	0.7381	0.4677	0.4040
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	0.6500	0.3500	0.6500	0.0000	0.4745
clave	0.7556	0.1222	0.7556	0.6294	0.4639
climate	0.0741	0.9259	0.0741	0.0000	0.1846
cil_sub_111	0.4167	0.3889	0.4167	0.1064	0.7186
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5034	0.3311	0.5034	0.1863	0.6648
cnae-9	0.8148	0.0412	0.8148	0.7917	0.1558
codon_usage	0.7843	0.0392	0.7843	0.7342	0.2226
coil20	0.8611	0.0139	0.8611	0.8538	0.0872
collins	0.8600	0.0187	0.8600	0.8457	0.0471
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.5862	0.4138	0.5862	0.0000	0.5057
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.5172	0.4828	0.5172	0.0000	0.5257
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.6774	0.3226	0.6774	0.0000	0.4574
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9950	0.0034	0.9950	0.8855	0.0072
cottonmeloidogyne	0.4952	0.5048	0.4952	0.0000	0.5289
coupon	0.5686	0.4314	0.5686	0.0000	0.5122
covtype	0.9395	0.0173	0.9395	0.9023	0.1253
covtypeCD	0.1367	0.8633	0.1367	0.0000	0.3014
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.8747	0.0418	0.8747	0.7454	0.2726
cryotherapy	0.4444	0.5556	0.4444	0.0000	0.5302
cultivars	0.1562	0.0422	0.1562	0.1317	0.2066
cyclopentane	0.4444	0.5556	0.4444	0.0000	0.5302
cylinder-bands	0.4259	0.5741	0.4259	0.0000	0.5284
darwin	0.5000	0.5000	0.5000	0.0000	0.5283
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.7790	0.2210	0.7790	0.0000	0.3738
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.9459	0.0180	0.9459	0.9322	0.0575
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.6053	0.3947	0.6053	0.0000	0.4977
diabetes	0.6154	0.3846	0.6154	0.0000	0.4929
diabetic10%	0.5363	0.3091	0.5363	0.0913	0.6890
diagnosis	0.5833	0.4167	0.5833	0.0000	0.5068
dishonest	0.3125	0.6875	0.3125	0.0000	0.4887
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.4000	0.6000	0.4000	0.0000	0.5239
dota2	0.4727	0.5273	0.4727	0.0000	0.5305
dropout	0.6546	0.2302	0.6546	0.4299	0.5979
drug-01	0.3830	0.1763	0.3830	0.0750	0.7266
drug-02	0.3777	0.1778	0.3777	0.1004	0.7115
drug-03	0.6489	0.1003	0.6489	0.1128	0.6006
drug-04	0.4415	0.1596	0.4415	0.1648	0.7605
drug-05	0.7021	0.0851	0.7021	0.0591	0.4796
drug-06	0.3457	0.1869	0.3457	0.1837	0.6526
drug-07	0.4043	0.1702	0.4043	0.0611	0.5839
drug-08	0.5532	0.1277	0.5532	0.1951	0.5011
drug-09	0.8357	0.0588	0.8176	-0.0045	0.6066
drug-10	0.4681	0.1520	0.4681	0.0556	0.7151
drug-11	0.7926	0.0593	0.7926	-0.0110	0.6584
drug-12	0.7128	0.0821	0.7128	-0.0352	0.6442
drug-13	0.5426	0.1307	0.5426	0.0925	0.7588
drug-14	0.5372	0.1322	0.5372	0.1635	0.6633
drug-15	0.6968	0.0866	0.6968	0.0687	0.6614
drug-16	0.5266	0.1353	0.5266	0.1792	0.5750
drug-17	0.2553	0.2128	0.2553	0.0672	0.7514
drug-18	0.9946	0.0000	0.9827	-0.0042	0.0082
drug-19	0.6915	0.0881	0.6915	-0.0024	0.7246
drybean	0.8699	0.0372	0.8699	0.8429	0.1905
ecoli	0.6671	0.0920	0.6903	0.5546	0.2590
ecoliCP-IM	0.6364	0.3636	0.6364	0.0000	0.4822

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.2424	0.7576	0.2424	0.0000	0.4352
ecoliMU	0.0909	0.9091	0.0909	0.0000	0.2192
ecoliOM	0.0606	0.9394	0.0606	0.0000	0.1551
eeg	0.2971	0.0879	0.2971	0.2361	0.6390
eeg-eye	0.5507	0.4493	0.5507	0.0000	0.5178
EPA_FHM	0.0656	0.9344	0.0656	0.0000	0.1662
er_lit_cdk_ECFP2	0.3846	0.6154	0.3846	0.0000	0.5200
er_tox_cdk_ECFP2	0.6500	0.3500	0.6500	0.0000	0.4745
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.4516	0.5484	0.4516	0.0000	0.5305
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.2951	0.7049	0.2951	0.0000	0.4776
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.5616	0.1753	0.5616	0.4286	0.4838
euthyroid	0.0981	0.9019	0.0981	0.0000	0.2332
exon.vs.intron-freq	0.5269	0.4731	0.5269	0.0000	0.5238
fbis-wc	0.6951	0.0359	0.6951	0.6555	0.2281
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5570	0.2051
fontaine_MACCS	0.3636	0.6364	0.3636	0.0000	0.5131
fonts10%	0.5274	0.0186	0.5180	0.5209	0.6304
forest	0.8462	0.0769	0.8462	0.7869	0.1854
gas	0.9698	0.0101	0.9698	0.9634	0.0641
gastrointestinal	0.7500	0.1667	0.7500	0.5429	0.2455
gender	0.5389	0.3074	0.5389	0.0284	0.6978
gene	0.8707	0.0862	0.8707	0.7923	0.3115
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.4899	0.5101	0.4899	0.0000	0.5294
glass	0.6190	0.1270	0.6190	0.4633	0.3173
glassBWFP	0.3810	0.6190	0.3810	0.0000	0.5189
glassBWNFP	0.3333	0.6667	0.3333	0.0000	0.5000
glassContainers	0.0909	0.9091	0.0909	0.0000	0.2192
glass-g2	0.3750	0.6250	0.3750	0.0000	0.5170
glassNW	0.7619	0.2381	0.7619	0.0000	0.3902
glassTableware	0.0455	0.9545	0.0455	0.0000	0.1198
glassVWFP	0.0476	0.9524	0.0476	0.0000	0.1250
gli_85	0.2500	0.7500	0.2500	0.0000	0.4422
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.5833	0.4167	0.5833	0.0000	0.5068
green	0.3000	0.7000	0.3000	0.0000	0.4809
GREY_MAO_DESC_PADEL	0.5714	0.4286	0.5714	0.0000	0.5112
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.5333	0.2333	0.5333	0.3478	0.5228
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.8792	0.0201	0.8792	0.8586	0.1468
har70	0.8895	0.0316	0.8895	0.8385	0.3031
harth10%	0.8316	0.0281	0.8316	0.7716	0.2634
hayes-roth	0.6875	0.2083	0.6875	0.5000	0.4011
hcc-survival	0.4118	0.5882	0.4118	0.0000	0.5263
heart	0.5926	0.4074	0.5926	0.0000	0.5031
heart-c	0.5333	0.4667	0.5333	0.0000	0.5223
hepatitis	0.2000	0.8000	0.2000	0.0000	0.3900

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.5030	0.4970	0.5030	0.0000	0.5279
hERG-121inputs	0.2857	0.7143	0.2857	0.0000	0.4711
hERG-64inputs	0.2857	0.7143	0.2857	0.0000	0.4711
hERG-9inputs	0.2308	0.7692	0.2308	0.0000	0.4238
HIA_desc	0.3000	0.7000	0.3000	0.0000	0.4809
higgs10%	0.4705	0.5295	0.4705	0.0000	0.5306
higher	0.0714	0.2321	0.0714	-0.1519	0.3891
hinselmann	0.2000	0.8000	0.2000	0.0000	0.3900
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.0355	0.9645	0.0355	0.0000	0.0954
horse	0.6389	0.2407	0.6389	0.3380	0.5721
htru2	0.9084	0.0916	0.9084	0.0000	0.2103
ht-sensor	0.9996	0.0002	0.9996	0.9995	0.0023
hypothyroid	0.9828	0.0000	0.9993	0.9256	0.0857
hypothyroidT	0.9231	0.0769	0.9231	0.0000	0.1858
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.2222	0.7778	0.2222	0.0000	0.4150
ionosphere	0.3143	0.6857	0.3143	0.0000	0.4897
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.5600	0.4400	0.5600	0.0000	0.5150
isolet	0.6431	0.0275	0.6431	0.6289	0.2462
jm1	0.8062	0.1938	0.8062	0.0000	0.3455
jvowels	0.8464	0.0341	0.8464	0.8258	0.1799
kc1	0.8436	0.1564	0.8436	0.0000	0.3019
kc1-class-level-defectiveornot	0.4000	0.6000	0.4000	0.0000	0.5239
kc1-class-level-numericdefect	0.5595	0.0435	0.5844	0.2707	0.0610
kc1-class-level-top5percentDF	0.0667	0.9333	0.0667	0.0000	0.1686
kc2	0.7885	0.2115	0.7885	0.0000	0.3643
kidney-disease	0.6250	0.3750	0.6250	0.0000	0.4882
krkopt	0.8242	0.0195	0.8242	0.8035	0.1848
krvskp	0.5235	0.4765	0.5235	0.0000	0.5245
la1s-wc	0.7111	0.0963	0.7111	0.6418	0.3569
la2s-wc	0.6755	0.1082	0.6755	0.5899	0.3954
labor	0.3333	0.6667	0.3333	0.0000	0.5000
leaf	0.3824	0.0309	0.3824	0.3614	0.1277
led24	0.4000	0.1200	0.4000	0.3370	0.2732
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8320	0.0129	0.8320	0.8253	0.1540
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.5714	0.4286	0.5714	0.0000	0.5112
libra	0.6389	0.0481	0.6389	0.6116	0.1648
linkage10%	0.0037	0.9963	0.0037	0.0000	0.0105
liver	0.3235	0.6765	0.3235	0.0000	0.4949
localization	0.6813	0.0579	0.6813	0.5950	0.4946
lrs	0.7608	0.0456	0.7859	0.6889	0.1745
lsvt	0.6923	0.3077	0.6923	0.0000	0.4472
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.1667	0.8333	0.1667	0.0000	0.3467
lung-cancer-michigan	0.1111	0.8889	0.1111	0.0000	0.2575
lung-cancer-ontario	0.3333	0.6667	0.3333	0.0000	0.5000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1737
lupus	0.5556	0.4444	0.5556	0.0000	0.5164
lymphography	0.7838	0.0997	0.7752	0.6052	0.2224
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.5000	0.5000	0.5000	0.0000	0.5283
magic04	0.6486	0.3514	0.6486	0.0000	0.4753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.4688	0.5312	0.4688	0.0000	0.5307
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.8218	0.1188	0.8218	0.7311	0.3945
messidor	0.4348	0.5652	0.4348	0.0000	0.5294
meter-A	0.3750	0.6250	0.3750	0.0000	0.5170
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7652	0.2014
meter-D	0.7222	0.1389	0.7222	0.6104	0.1906
mfeat-fac	0.9050	0.0190	0.9050	0.8944	0.1063
mfeat-fou	0.6000	0.0800	0.6000	0.5556	0.3133
mfeat-kar	0.7250	0.0550	0.7250	0.6944	0.2500
mfeat-mor	0.5800	0.0840	0.5800	0.5333	0.2851
mfeat-pix	0.8650	0.0270	0.8650	0.8500	0.1325
mfeat-zer	0.6250	0.0750	0.6250	0.5833	0.2850
mice-prot	0.8981	0.0255	0.8981	0.8831	0.1000
mines	0.6765	0.1294	0.6765	0.5944	0.3774
mobile	0.4755	0.0187	0.4755	0.4655	0.2391
monks-1	0.4909	0.5091	0.4909	0.0000	0.5293
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.5179	0.4821	0.5179	0.0000	0.5255
mushroom	0.4822	0.5178	0.4822	0.0000	0.5301
musk	0.8455	0.1545	0.8455	0.0000	0.2996
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5072	0.4928	0.5072	0.0000	0.5273
mutagens_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
MUT_ci034254q_MACCS	0.5410	0.4590	0.5410	0.0000	0.5205
MUT_ci300400a	0.4261	0.5739	0.4261	0.0000	0.5285
MUT_ci300400a_cdk_ECFP2	0.4173	0.5827	0.4173	0.0000	0.5272
myocardial	0.8824	0.0294	0.8824	0.4670	0.3269
naticusdroid	0.4988	0.5012	0.4988	0.0000	0.5285
nci9	0.3333	0.1481	0.3333	0.2258	0.1458
ncRNA10%	0.9294	0.0074	0.9294	0.8035	0.4875
newspop	0.4677	0.5323	0.4677	0.0000	0.5307
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.1429	0.8571	0.1429	0.0000	0.3113
NHANES_age_prediction	0.8414	0.1586	0.8414	0.0000	0.3047
nomao	0.7145	0.2855	0.7145	0.0000	0.4307
NPHA-doctor-visits	0.3611	0.4259	0.3611	-0.0632	0.8231
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.7690	0.2310	0.7690	0.0000	0.3835
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9730	0.0428
oh0-wc	0.8317	0.0337	0.8317	0.8084	0.1487
oh10-wc	0.6286	0.0743	0.6286	0.5765	0.2773
oh15-wc	0.7826	0.0435	0.7826	0.7548	0.1854
oh5-wc	0.6923	0.0615	0.6923	0.6546	0.2586
opn310k	0.9091	0.0909	0.9091	0.0000	0.2092
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.8826	0.0235	0.8826	0.8696	0.1482
optdigitsZ	0.0890	0.9110	0.0890	0.0000	0.2153
orl	0.4000	0.0300	0.4000	0.3846	0.1446
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.6400	0.3600	0.6400	0.0000	0.4802
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9689	0.0124	0.9689	0.8201	0.1803

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.4083	0.5917	0.4083	0.0000	0.5256
parkinsons	0.7368	0.2632	0.7368	0.0000	0.4125
particle	0.2806	0.7194	0.2806	0.0000	0.4674
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.4175	0.5825	0.4175	0.0000	0.5272
pd	0.2500	0.7500	0.2500	0.0000	0.4422
pediatric-leukemia	0.7353	0.0756	0.7353	0.6813	0.1634
pendigits	0.9381	0.0124	0.9381	0.9312	0.0851
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.3402	0.6598	0.3402	0.0000	0.5033
P-Glycoprotein_b_Substrate	0.5000	0.5000	0.5000	0.0000	0.5283
P-Glycoprotein_c_RDkit_AtomPair_FP	0.4683	0.5317	0.4683	0.0000	0.5307
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.4000	0.6000	0.4000	0.0000	0.5239
phishing	0.6082	0.3918	0.6082	0.0000	0.4963
phoneme	0.7167	0.2833	0.7167	0.0000	0.4290
phy	0.5028	0.4972	0.5028	0.0000	0.5280
pima	0.3947	0.6053	0.3947	0.0000	0.5226
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.6105	0.0779	0.6105	0.2710	0.5799
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.3578	0.6422	0.3578	0.0000	0.5109
popularity	0.5649	0.2900	0.5649	0.1196	0.6916
post-operative	0.3430	0.4402	0.3345	-0.2896	0.4528
postures	0.9538	0.0185	0.9538	0.9422	0.0964
pred-tox_mutagen_ref-desc	0.5000	0.5000	0.5000	0.0000	0.5283
primary-tumor	0.2742	0.0762	0.2741	0.2019	0.2379
profb	0.3284	0.6716	0.3284	0.0000	0.4975
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.4286	0.5714	0.4286	0.0000	0.5288
prostate_GE	0.4545	0.5455	0.4545	0.0000	0.5306
puc-rio	0.9762	0.0095	0.9762	0.9679	0.0530
pufs-6410%	0.5002	0.4998	0.5002	0.0000	0.5283
raisin	0.5000	0.5000	0.5000	0.0000	0.5283
re0-wc	0.7267	0.0421	0.7267	0.6486	0.2994
re1-wc	0.7952	0.0164	0.7952	0.7667	0.1558
rejafada	0.0352	0.9648	0.0352	0.0000	0.0946
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.4078	0.5922	0.4078	0.0000	0.5255
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0047
satimage	0.8243	0.0586	0.8243	0.7816	0.2404
satimageF	0.8911	0.1089	0.8911	0.0000	0.2371
satimageT	0.1011	0.8989	0.1011	0.0000	0.2389
scadi	0.7088	0.0722	0.7278	0.6446	0.1143
schiller	0.2222	0.7778	0.2222	0.0000	0.4150
schizo	0.5000	0.5000	0.5000	0.0000	0.5283
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.5548	0.4452	0.5548	0.0000	0.5166
segment	0.9437	0.0161	0.9437	0.9342	0.0821
segmentO	0.1472	0.8528	0.1472	0.0000	0.3180

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.1006	0.8994	0.1006	0.0000	0.2381
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9771	0.0042	0.9771	0.9748	0.0381
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8459	0.1541	0.8459	0.0000	0.2991
shuttle	0.9998	0.0000	0.9998	0.9995	0.0004
sick	0.9337	0.0663	0.9337	0.0000	0.1669
sirtuin6	0.5000	0.5000	0.5000	0.0000	0.5283
skin	0.7923	0.2077	0.7923	0.0000	0.3603
smk_can_187	0.4737	0.5263	0.4737	0.0000	0.5305
solar-flare	0.6906	0.1031	0.6906	0.5982	0.2822
sonar	0.5000	0.5000	0.5000	0.0000	0.5283
soybean	0.9412	0.0062	0.9412	0.9354	0.0275
spambase	0.3957	0.6043	0.3957	0.0000	0.5229
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.2732	0.0323	0.2741	0.2101	0.2430
splice-EI	0.2524	0.7476	0.2524	0.0000	0.4443
splice-IE	0.2366	0.7634	0.2366	0.0000	0.4296
sport-articles	0.3700	0.6300	0.3700	0.0000	0.5154
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.8876	0.0750	0.8876	0.8143	0.2505
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6513	0.3487	0.6513	0.0000	0.4738
steel-p	0.0821	0.9179	0.0821	0.0000	0.2013
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.4615	0.3590	0.4615	0.1574	0.6947
student-weekend	0.3692	0.2523	0.3692	0.0895	0.6967
student-workday	0.6875	0.1250	0.6875	0.0992	0.3551
susy10%	0.5420	0.4580	0.5420	0.0000	0.5202
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	0.5000	0.5000	0.5000	0.0000	0.5283
swarm_grouped	0.6249	0.3751	0.6249	0.0000	0.4882
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9145	0.0155	0.9145	0.9058	0.0925
theorem	0.5827	0.4173	0.5827	0.0000	0.5071
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.6632	0.3368	0.6632	0.0000	0.4666
tis	0.2476	0.7524	0.2476	0.0000	0.4400
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.6250	0.1250	0.6250	0.4894	0.1881
tox_171	0.4118	0.2941	0.4118	0.2166	0.4371
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7600	0.2400	0.7600	0.0000	0.3920
trec11-wc	0.7805	0.0488	0.7805	0.7340	0.1891
trec12-wc	0.8710	0.0323	0.8710	0.8422	0.0826

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.2198
trec23-wc	0.8095	0.0635	0.8095	0.7333	0.1024
trec31-wc	0.9570	0.0123	0.9570	0.9422	0.0517
trec41-wc	0.9091	0.0182	0.9091	0.8907	0.1023
trec45-wc	0.8261	0.0348	0.8261	0.7948	0.1251
tuandromd	0.7982	0.2018	0.7982	0.0000	0.3541
turkish	0.5750	0.2125	0.5750	0.4333	0.4271
tvnews	0.3659	0.6341	0.3659	0.0000	0.5139
urban	0.7015	0.0663	0.7015	0.6476	0.2418
vehicle	0.7143	0.1429	0.7143	0.6141	0.3167
vehicleVAN	0.2500	0.7500	0.2500	0.0000	0.4422
voice	0.3333	0.6667	0.3333	0.0000	0.5000
vote	0.4884	0.5116	0.4884	0.0000	0.5296
vowel	0.4848	0.0937	0.4848	0.4333	0.2971
vowelZ	0.0909	0.9091	0.0909	0.0000	0.2192
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.6987	0.0301	0.6987	0.6648	0.1891
warpar10p	0.6154	0.0769	0.6154	0.5638	0.1107
warppiel0p	0.8571	0.0286	0.8571	0.8409	0.0687
watch-acc10%	0.9969	0.0009	0.9969	0.9964	0.0088
watch-gyr10%	0.9982	0.0005	0.9982	0.9979	0.0054
waveform	0.7080	0.1947	0.7080	0.5621	0.4654
web-phishing	0.8444	0.1037	0.8444	0.7338	0.4239
weight-lift	0.9893	0.0043	0.9893	0.9865	0.0261
white-clover	0.5114	0.2523	0.4893	0.1882	0.1812
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0723
wilt	0.0497	0.9503	0.0497	0.0000	0.1299
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.6730	0.1090	0.6730	0.4720	0.4747
winequality-white	0.6483	0.1005	0.6483	0.4468	0.4383
winnipeg	0.9834	0.0048	0.9834	0.9790	0.0417
yale	0.5000	0.0667	0.5000	0.4644	0.1510
yeast	0.4459	0.1108	0.4459	0.2822	0.4041
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.0270	0.9730	0.0270	0.0000	0.0739
yeastME1	0.0270	0.9730	0.0270	0.0000	0.0739
yeastME2	0.0473	0.9527	0.0473	0.0000	0.1242
zip	0.8366	0.0327	0.8366	0.8167	0.1888
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 13: Detailed results for EasyEnsemble(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0466	0.0731	0.0728	0.0309	0.6050
abalone19	0.7129	0.2871	0.7129	0.0024	0.0703
abalone9-18	0.6849	0.3151	0.6849	0.1242	0.3611
accelerometer	0.8565	0.1435	0.8565	0.1517	0.2595
ads	0.9390	0.0610	0.9390	0.7793	0.4604
adult	0.8122	0.1878	0.8122	0.5489	0.6513
AID1284Morered	0.6667	0.3333	0.6667	0.3055	0.4770
AID1284red	0.5833	0.4167	0.5833	0.1667	0.5505
AID_1431	0.6032	0.3968	0.6032	0.0867	0.4606
AID1608Morered	0.5631	0.4369	0.5631	0.1037	0.3367
AID1608red	0.6408	0.3592	0.6408	0.0854	0.3606
AID_1878	0.5810	0.4190	0.5810	0.1247	0.6918
AID362red	0.7593	0.2407	0.7593	0.0293	0.1460
AID373AID439red	0.6148	0.3852	0.6148	0.0005	0.0013
AID373red	0.7478	0.2522	0.7478	0.0020	0.0119
AID439Morered	0.8571	0.1429	0.8571	0.5882	0.5283
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.6683	0.3317	0.6683	0.0000	0.0289
AID600_MACCS	0.6987	0.2931	0.7123	0.3464	0.7985
AID_602330	0.5833	0.4167	0.5833	0.0381	0.2601
AID604	0.8641	0.1359	0.8641	0.0431	0.0699
AID604AID644_AllRed	0.7753	0.2247	0.7753	0.0054	0.0129
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.5000	0.5000	0.5000	-0.0870	0.9393
AID_652128	0.2828	0.4781	0.2828	-0.0013	0.3725
AID687AID721red	0.5321	0.4679	0.5321	0.0001	0.0052
AID687red	0.6027	0.3973	0.6027	0.0046	0.0245
AID688red	0.5432	0.4568	0.5432	0.0025	0.0669
AID721morered	0.4444	0.5556	0.4444	-0.0465	0.7758
AID721red	0.4444	0.5556	0.4444	-0.0465	0.7758
AID746AID1284red	0.7309	0.2691	0.7309	0.0042	0.0111
AID746red	0.7163	0.2837	0.7163	0.0182	0.0600
AID_773	0.3333	0.6667	0.3333	-0.0125	0.4437
AID852_MACCS	0.8886	0.1064	0.8829	0.6692	0.4968
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9101	0.0360	0.9101	0.8312	0.2317
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9569	0.0216	0.9569	0.9198	0.2808
anuran-f-b	0.9666	0.0334	0.9666	0.3239	0.3900
anuran-genus	0.9318	0.0170	0.9318	0.8905	0.2928
anuran-species	0.9597	0.0081	0.9597	0.9445	0.1473
aps-failure	0.9463	0.0537	0.9463	0.3786	0.4453
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.4000	0.0923	0.4000	0.3041	0.3976
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.6865	0.0396	0.6947	0.6499	0.0370
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8710	0.0893
avila	0.9650	0.0058	0.9650	0.9550	0.2028
balance	0.6774	0.2151	0.6774	0.5122	0.3821
bank	0.8602	0.1398	0.8602	0.5285	0.5660
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8756	0.1244	0.8756	0.7306	0.5168
basehock	0.9497	0.0503	0.9497	0.8995	0.2604
bio	0.9658	0.0342	0.9658	0.3256	0.3982
biodeg	0.8762	0.1238	0.8762	0.7437	0.5019
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.1579	0.0459	0.1589	0.0198	0.1533
block10%	0.9986	0.0014	0.9986	0.8360	0.4270
block10%	0.9986	0.0014	0.9986	0.8360	0.4270
breast-cancer	0.6429	0.3571	0.6429	0.2857	0.7711
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7053	0.0989	0.6979	0.6069	0.1429
bub10at310k-hg16-17	0.7931	0.2069	0.7931	0.3040	0.5670
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7363	0.5066
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9044	0.2104
card	0.8116	0.1884	0.8116	0.6188	0.6405
cardiotocography	0.8404	0.0319	0.8404	0.8125	0.2187
cardiotocography-nsp	0.8732	0.0845	0.8732	0.6967	0.4651
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.7050	0.4148
cas_N6512_cdk_ECFP2	0.7558	0.2442	0.7558	0.5100	0.7406
cdc_diabetes	0.5366	0.3089	0.5366	0.1715	0.4803
census10%	0.8262	0.1738	0.8262	0.3086	0.4799
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.9070	0.0930	0.9070	0.5100	0.5771
cervical-C	0.7791	0.2209	0.7791	0.0073	0.4855
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9070	0.0930	0.9070	0.5043	0.6240
chemo_fontaine	0.9070	0.0930	0.9070	0.8009	0.4261
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9783	0.0217	0.9783	0.0753	0.1093
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7692	0.4727
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3280	0.8276
cirrhosis	0.6429	0.2381	0.6429	0.4199	0.5514
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7111	0.1444	0.7111	0.5973	0.4626
climate	0.8333	0.1667	0.8333	0.3269	0.5540
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.6600	0.3400	0.6600	0.1237	0.5390
cmc	0.5442	0.3039	0.5442	0.3068	0.6842
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0710
codon_usage	0.8350	0.0300	0.8350	0.8040	0.3015
coil20	0.9583	0.0042	0.9583	0.9561	0.0267
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6897	0.3103	0.6897	0.3587	0.8095
colposcopies-2	0.7241	0.2759	0.7241	0.4341	0.7805
colposcopies-3	0.7241	0.2759	0.7241	0.4171	0.7875
colposcopies-4	0.5862	0.4138	0.5862	0.1031	0.8707

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.5085	0.5306
colposcopies-6	0.6897	0.3103	0.6897	0.3771	0.8327
colposcopies-c	0.6552	0.3448	0.6552	0.2714	0.7523
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8065	0.1290	0.8065	0.6895	0.2733
connect-4	0.9583	0.0278	0.9583	0.4918	0.4931
cottonmeloidogyne	0.6947	0.3053	0.6947	0.3896	0.8272
coupon	0.7500	0.2500	0.7500	0.4943	0.7506
covtype	0.9365	0.0181	0.9365	0.9005	0.2828
covtypeCD	0.9742	0.0258	0.9742	0.8977	0.3052
covtypeT	0.9649	0.0351	0.9649	0.7767	0.4691
cox2_cdk_ECFP2	0.7391	0.2609	0.7391	0.3381	0.7293
crowdsourced	0.8673	0.0442	0.8673	0.7531	0.3737
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3253	0.0969
cyclopentane	0.7407	0.2593	0.7407	0.4793	0.7616
cylinder-bands	0.8704	0.1296	0.8704	0.7393	0.5015
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6154	0.3846	0.6154	0.1772	0.3467
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7203	0.2797	0.7203	0.3240	0.7584
deposit	0.8407	0.1593	0.8407	0.4868	0.5809
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	0.1489	0.5283
dexter	0.8333	0.1667	0.8333	0.6667	0.5921
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5645	0.6907
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4558	0.3628	0.4558	0.1594	0.7445
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.4583	0.5417	0.4583	-0.1304	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5436	0.4564	0.5436	0.0900	0.9681
dropout	0.7111	0.1926	0.7111	0.5548	0.4927
drug-01	0.1755	0.2356	0.1755	0.0551	0.7793
drug-02	0.3032	0.1991	0.3032	0.1484	0.7770
drug-03	0.2340	0.2188	0.2340	0.0541	0.7192
drug-04	0.2447	0.2158	0.2447	0.1087	0.7587
drug-05	0.1117	0.2538	0.1117	0.0040	0.5918
drug-06	0.2872	0.2036	0.2872	0.1634	0.6926
drug-07	0.1755	0.2356	0.1755	0.0577	0.7481
drug-08	0.2926	0.2021	0.2926	0.1363	0.7552
drug-09	0.3329	0.1904	0.3172	0.0523	0.4662
drug-10	0.2979	0.2006	0.2979	0.1503	0.7073
drug-11	0.3723	0.1793	0.3723	0.0957	0.5635
drug-12	0.1968	0.2295	0.1968	0.0788	0.5390
drug-13	0.2926	0.2021	0.2926	0.1284	0.7120
drug-14	0.3936	0.1733	0.3936	0.2225	0.7320
drug-15	0.3032	0.1991	0.3032	0.0850	0.6567
drug-16	0.3298	0.1915	0.3298	0.1845	0.6736
drug-17	0.2128	0.2249	0.2128	0.0922	0.7630
drug-18	0.2465	0.3204	0.2378	0.0106	0.0182
drug-19	0.2766	0.2067	0.2766	0.0811	0.5933
drybean	0.9192	0.0231	0.9192	0.9024	0.1310
ecoli	0.6144	0.1032	0.6072	0.5199	0.2083
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.6970	0.3030	0.6970	0.1667	0.5194
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.4813	0.0648	0.4813	0.4381	0.6482
eeg-eye	0.9045	0.0955	0.9045	0.8063	0.4157
EPA_FHM	0.8852	0.1148	0.8852	0.4837	0.5131
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2684	0.8698
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6739	0.5826
er_tox_rdkit_ATOMPAIR	0.8197	0.1803	0.8197	0.2959	0.4064
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.5635	0.5921
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8281	0.3880
er_tox_rdkit_MACCS	0.8548	0.1452	0.8548	0.3497	0.4422
er_tox_rdkit_MORGAN	0.8065	0.1935	0.8065	0.2749	0.3900
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4981	0.6523
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.3497	0.4422
eucalyptus	0.5890	0.1644	0.5890	0.4836	0.4290
euthyroid	0.9462	0.0538	0.9462	0.7238	0.4994
exon.vs.intron-freq	0.9749	0.0251	0.9749	0.9496	0.1588
fbis-wc	0.7561	0.0287	0.7561	0.7289	0.2914
fda.atompair_fp	0.4545	0.5455	0.4545	-0.1379	0.9011
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.3500	0.1625	0.3500	0.2916	0.2874
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5320	0.0188	0.5150	0.5264	0.6394
forest	0.9038	0.0481	0.9038	0.8672	0.1099
gas	0.9849	0.0050	0.9849	0.9817	0.0363
gastrointestinal	0.6250	0.2500	0.6250	0.4483	0.4207
gender	0.4526	0.3649	0.4526	0.1483	0.7118
gene	0.9180	0.0547	0.9180	0.8674	0.2209
german	0.6400	0.3600	0.6400	0.2088	0.8988
gina	0.9135	0.0865	0.9135	0.8270	0.3919
glass	0.6190	0.1270	0.6190	0.5130	0.2518
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.7143	0.2857	0.7143	0.4375	0.7044
glassContainers	0.9545	0.0455	0.9545	0.7755	0.4644
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.5714	0.4286	0.5714	-0.0925	0.3039
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.7333	0.2667	0.7333	0.4118	0.7372
hapt	0.9314	0.0114	0.9314	0.9190	0.1127
har70	0.7698	0.0658	0.7698	0.7005	0.2220
harth10%	0.8080	0.0320	0.8080	0.7468	0.3169
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.8000	0.2000	0.8000	0.5455	0.5283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8392	0.1608	0.8392	0.6784	0.5844
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.7177	0.2823	0.7177	0.4364	0.7921
higher	0.2143	0.1964	0.2143	0.1149	0.3443
hinselmann	0.7000	0.3000	0.7000	0.4000	0.5239
hiv1-proteasa	0.8567	0.1433	0.8567	0.5803	0.6110
hiva	0.7305	0.2695	0.7305	0.0784	0.2948
horse	0.6111	0.2593	0.6111	0.3891	0.6419
htru2	0.9542	0.0458	0.9542	0.7625	0.4770
ht-sensor	0.9997	0.0002	0.9997	0.9996	0.0018
hypothyroid	0.8789	0.0755	0.8774	0.5534	0.2986
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6271	0.3729	0.6271	0.1774	0.8671
immuno-therapy	0.7778	0.2222	0.7778	0.5263	0.5283
ionosphere	0.8571	0.1429	0.8571	0.7049	0.4505
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8485	0.0117	0.8485	0.8425	0.1249
jm1	0.6887	0.3113	0.6887	0.2890	0.7010
fvowels	0.9197	0.0178	0.9197	0.9090	0.1210
kc1	0.7204	0.2796	0.7204	0.2847	0.6704
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.0668	0.0902	0.0613	0.0051	0.0402
kc1-class-level-top5percentDF	0.6667	0.3333	0.6667	-0.1194	0.4433
kc2	0.7692	0.2308	0.7692	0.4536	0.6691
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.8692	0.0145	0.8692	0.8545	0.2364
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8222	0.0593	0.8222	0.7780	0.3001
la2s-wc	0.8311	0.0563	0.8311	0.7881	0.2568
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6288	0.0800
led24	0.6000	0.0800	0.6000	0.5493	0.1529
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9290	0.0055	0.9290	0.9261	0.0817
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7500	0.0333	0.7500	0.7313	0.1003
linkage10%	0.9993	0.0007	0.9993	0.9107	0.3105
liver	0.5588	0.4412	0.5588	0.1356	0.8674
localization	0.5964	0.0734	0.5964	0.5308	0.5797
lrs	0.6669	0.0736	0.6650	0.5858	0.2659
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8571	0.0571	0.8571	0.7649	0.1331
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9029	0.1238
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6842	0.5000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5385	0.1308
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7089	0.1398	0.7027	0.5524	0.2635
lymphoma2	0.8889	0.0247	0.8889	0.8594	0.0000
madelon	0.7808	0.2192	0.7808	0.5615	0.6988
magic04	0.8622	0.1378	0.8622	0.7029	0.5524

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5245	0.7058
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7455	0.3693
messidor	0.6696	0.3304	0.6696	0.3369	0.8520
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0609
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1969
mfeat-kar	0.8700	0.0260	0.8700	0.8556	0.1375
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2154
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0944
mfeat-zer	0.6650	0.0670	0.6650	0.6278	0.2490
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4438	0.4154
mobile	0.8427	0.0056	0.8427	0.8398	0.0716
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	0.9836	0.0164	0.9836	0.9641	0.1262
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9576	0.0424	0.9576	0.8439	0.3667
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.8502
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2738	0.8920
MUT_ci300400a	0.8509	0.1491	0.8509	0.6991	0.5555
MUT_ci300400a_cdk_ECFP2	0.8153	0.1847	0.8153	0.6279	0.6264
myocardial	0.4059	0.1485	0.4059	0.1348	0.4646
naticusdroid	0.9693	0.0307	0.9693	0.9386	0.1847
nci9	0.3333	0.1481	0.3333	0.2941	0.1321
ncRNA10%	0.7192	0.0296	0.7192	0.5009	0.9317
newspop	0.6476	0.3524	0.6476	0.2961	0.8787
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9646	0.0354	0.9646	0.9143	0.2447
NPHA-doctor-visits	0.3333	0.4444	0.3333	0.0259	0.7639
nursery	0.8758	0.0497	0.8758	0.8263	0.1594
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9756	0.1063
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9791	0.0498
oh0-wc	0.8614	0.0277	0.8614	0.8411	0.1336
oh10-wc	0.6952	0.0610	0.6952	0.6608	0.2393
oh15-wc	0.8043	0.0391	0.8043	0.7788	0.1999
oh5-wc	0.6923	0.0615	0.6923	0.6565	0.2716
opn310k	0.8067	0.1933	0.8067	0.3311	0.5717
opnat310k-hg16-17	0.8093	0.1907	0.8093	0.3372	0.5723
optdigits	0.9484	0.0103	0.9484	0.9426	0.0710
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.8340	0.1660	0.8340	0.2549	0.3602
ozone8hr	0.7787	0.2213	0.7787	0.2280	0.5221
p53-mutants10%	0.8694	0.1306	0.8694	-0.0063	0.0504
page-blocks	0.9086	0.0366	0.9086	0.6502	0.4785

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.9212	0.0788	0.9212	0.8140	0.4132
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.7928	0.2072	0.7928	0.2992	0.4867
pcmac	0.4845	0.5155	0.4845	-0.0103	0.9760
pd	0.9211	0.0789	0.9211	0.7966	0.4359
pediatric-leukemia	0.7353	0.0756	0.7353	0.6765	0.2110
pendigits	0.9745	0.0051	0.9745	0.9717	0.0420
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.4444	0.5556	0.4444	0.0000	0.8722
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6866	0.5496
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6832	0.5704
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7059	0.4011
Pgp_desc	0.7500	0.2500	0.7500	0.5098	0.6824
phishing	0.9673	0.0327	0.9673	0.9317	0.2032
phoneme	0.9130	0.0870	0.9130	0.7973	0.4332
phy	0.6712	0.3288	0.6712	0.3423	0.8563
pima	0.7237	0.2763	0.7237	0.4380	0.7810
plx	0.7222	0.2778	0.7222	0.3478	0.8027
poker	0.4625	0.1075	0.4625	0.2605	0.8317
polish-1st	0.8464	0.1536	0.8464	0.2790	0.3964
polish-2nd	0.8623	0.1377	0.8623	0.2603	0.4429
polish-3rd	0.8219	0.1781	0.8219	0.2119	0.4442
polish-4th	0.8031	0.1969	0.8031	0.2635	0.4249
polish-5th	0.8629	0.1371	0.8629	0.3956	0.5503
polya	0.7427	0.2573	0.7427	0.4726	0.7400
popularity	0.4714	0.3524	0.4714	0.2032	0.6242
post-operative	0.3307	0.4550	0.3465	0.1774	0.2935
postures	0.9800	0.0080	0.9800	0.9750	0.0514
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9116
primary-tumor	0.2736	0.0789	0.2608	0.2367	0.2269
profb	0.5522	0.4478	0.5522	0.1604	0.8288
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9880	0.0048	0.9880	0.9840	0.0435
pufs-6410%	0.4995	0.5005	0.4995	-0.0009	1.0000
raisin	0.8444	0.1556	0.8444	0.6889	0.5731
re0-wc	0.7000	0.0462	0.7000	0.6363	0.3935
re1-wc	0.7590	0.0193	0.7590	0.7351	0.2606
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.6967	0.3033	0.6967	0.4021	0.7820
RT_IOT2022	0.9959	0.0007	0.9959	0.9896	0.0369
satimage	0.8880	0.0373	0.8880	0.8626	0.1846
satimageF	0.9782	0.0218	0.9782	0.8944	0.3076
satimageT	0.8756	0.1244	0.8756	0.5368	0.5664
scadi	0.5634	0.1292	0.5660	0.4485	0.1200
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.5588	0.4412	0.5588	0.1176	0.9547
secom	0.7372	0.2628	0.7372	0.1672	0.4435
secondary_mushroom	0.9992	0.0008	0.9992	0.9983	0.0091
segment	0.9567	0.0124	0.9567	0.9494	0.0513
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.6860	0.3140	0.6860	0.1164	0.4220
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.6526	0.3474	0.6526	0.1544	0.6186
sens-2-gram	0.6789	0.3211	0.6789	0.1878	0.6256
sens-3-gram	0.6816	0.3184	0.6816	0.1824	0.6322
sens-4-gram	0.7158	0.2842	0.7158	0.1759	0.6738
sensorless	0.9877	0.0022	0.9877	0.9865	0.0215
sepsis	0.5403	0.4597	0.5403	0.0900	0.4224
shoppers	0.8370	0.1630	0.8370	0.5234	0.6160
shuttle	0.9974	0.0007	0.9974	0.9928	0.2960
sick	0.9735	0.0265	0.9735	0.8073	0.4253
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0090
smk_can_187	0.4737	0.5263	0.4737	-0.0326	0.9785
solar-flare	0.6835	0.1055	0.6835	0.6096	0.2809
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9559	0.0046	0.9559	0.9518	0.0280
spambase	0.9413	0.0587	0.9413	0.8771	0.3056
spect	0.5926	0.4074	0.5926	0.1681	0.7466
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.4792	0.0088	0.4955	0.4542	0.1123
splice-EI	0.9432	0.0568	0.9432	0.8589	0.3450
splice-IE	0.9401	0.0599	0.9401	0.8434	0.3752
sport-articles	0.8100	0.1900	0.8100	0.6035	0.6508
squash-stored	0.8000	0.1333	0.8000	0.7059	0.1585
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8256	0.1744	0.8256	0.5678	0.6142
steel-d	0.8462	0.1538	0.8462	0.2086	0.3605
steel_industry	0.9170	0.0554	0.9170	0.8655	0.2090
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7744	0.2256	0.7744	0.5197	0.7181
steel-p	0.8564	0.1436	0.8564	0.4521	0.5387
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9436	0.0564	0.9436	0.7352	0.4996
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.3077	0.2769	0.3077	0.1410	0.7093
student-workday	0.3750	0.2500	0.3750	0.1049	0.6953
susy10%	0.7835	0.2165	0.7835	0.5618	0.6933
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9655	0.0063	0.9655	0.9619	0.0492
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.6383	0.3617	0.6383	0.1343	0.6651
Thyroid_Diff	0.9474	0.0526	0.9474	0.8721	0.3093
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8818	0.1182	0.8818	0.7055	0.5390
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6667	0.0398
tox_171	0.8235	0.0882	0.8235	0.7661	0.1654
toxicity	0.4706	0.5294	0.4706	-0.1168	0.9859
toxicity-13f	0.7647	0.2353	0.7647	0.5211	0.6923
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5200	0.4800	0.5200	-0.0090	0.8360
trec11-wc	0.7805	0.0488	0.7805	0.7425	0.1561
trec12-wc	0.8710	0.0323	0.8710	0.8475	0.1405

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6759	0.2890
trec23-wc	0.9524	0.0159	0.9524	0.9352	0.0757
trec31-wc	0.4731	0.1505	0.4731	0.3992	0.3135
trec41-wc	0.8295	0.0341	0.8295	0.7989	0.1926
trec45-wc	0.8551	0.0290	0.8551	0.8332	0.1183
tuandromd	0.9776	0.0224	0.9776	0.9321	0.2192
turkish	0.7500	0.1250	0.7500	0.6667	0.3244
tvnews	0.9575	0.0425	0.9575	0.9083	0.2445
urban	0.8507	0.0332	0.8507	0.8265	0.1598
vehicle	0.7619	0.1190	0.7619	0.6780	0.2934
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.4040	0.1084	0.4040	0.3444	0.3113
vowelZ	0.9596	0.0404	0.9596	0.7963	0.4472
vrnormat310k-hg16-17	0.8327	0.1673	0.8327	0.3746	0.5887
wap-wc	0.6026	0.0397	0.6026	0.5707	0.2944
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0585
warppie10p	0.9048	0.0190	0.9048	0.8942	0.0492
watch-acc10%	0.9978	0.0006	0.9978	0.9975	0.0065
watch-gyr10%	0.9988	0.0003	0.9988	0.9987	0.0037
waveform	0.7880	0.1413	0.7880	0.6820	0.4455
web-phishing	0.8444	0.1037	0.8444	0.7304	0.4199
weight-lift	0.9947	0.0021	0.9947	0.9932	0.0170
white-clover	0.3310	0.3440	0.3249	0.0796	0.1772
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9420	0.0580	0.9420	0.6047	0.5307
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.4214	0.1929	0.4214	0.2432	0.7018
winequality-white	0.3681	0.1805	0.3681	0.2343	0.6769
winnipeg	0.9942	0.0017	0.9942	0.9926	0.0448
yale	0.6875	0.0417	0.6875	0.6653	0.0746
yeast	0.5541	0.0892	0.5541	0.4573	0.5192
yeastCYT-POX	0.8163	0.1837	0.8163	0.2563	0.3673
yeastEXC	0.7973	0.2027	0.7973	0.1704	0.2692
yeastME1	0.9662	0.0338	0.9662	0.6004	0.5302
yeastME2	0.8311	0.1689	0.8311	0.2682	0.4360
zip	0.9204	0.0159	0.9204	0.9109	0.1282
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 14: Detailed results for EasyEnsemble(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0466	0.0731	0.0728	0.0309	0.6050
abalone19	0.7129	0.2871	0.7129	0.0024	0.0703
abalone9-18	0.6849	0.3151	0.6849	0.1242	0.3611
accelerometer	0.8565	0.1435	0.8565	0.1517	0.2595
ads	0.9390	0.0610	0.9390	0.7793	0.4604
adult	0.8122	0.1878	0.8122	0.5489	0.6513
AID1284Morered	0.6667	0.3333	0.6667	0.3055	0.4770
AID1284red	0.5833	0.4167	0.5833	0.1667	0.5505
AID_1431	0.6032	0.3968	0.6032	0.0867	0.4606
AID1608Morered	0.5631	0.4369	0.5631	0.1037	0.3367
AID1608red	0.6408	0.3592	0.6408	0.0854	0.3606
AID_1878	0.5810	0.4190	0.5810	0.1247	0.6918
AID362red	0.7593	0.2407	0.7593	0.0293	0.1460
AID373AID439red	0.6148	0.3852	0.6148	0.0005	0.0013
AID373red	0.7478	0.2522	0.7478	0.0020	0.0119
AID439Morered	0.8571	0.1429	0.8571	0.5882	0.5283
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.6683	0.3317	0.6683	0.0000	0.0289
AID600_MACCS	0.6987	0.2931	0.7123	0.3464	0.7985
AID_602330	0.5833	0.4167	0.5833	0.0381	0.2601
AID604	0.8641	0.1359	0.8641	0.0431	0.0699
AID604AID644_AllRed	0.7753	0.2247	0.7753	0.0054	0.0129
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.5000	0.5000	0.5000	-0.0870	0.9393
AID_652128	0.2828	0.4781	0.2828	-0.0013	0.3725
AID687AID721red	0.5321	0.4679	0.5321	0.0001	0.0052
AID687red	0.6027	0.3973	0.6027	0.0046	0.0245
AID688red	0.5432	0.4568	0.5432	0.0025	0.0669
AID721morered	0.4444	0.5556	0.4444	-0.0465	0.7758
AID721red	0.4444	0.5556	0.4444	-0.0465	0.7758
AID746AID1284red	0.7309	0.2691	0.7309	0.0042	0.0111
AID746red	0.7163	0.2837	0.7163	0.0182	0.0600
AID_773	0.3333	0.6667	0.3333	-0.0125	0.4437
AID852_MACCS	0.8886	0.1064	0.8829	0.6692	0.4968
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9101	0.0360	0.9101	0.8312	0.2317
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9569	0.0216	0.9569	0.9198	0.2808
anuran-f-b	0.9666	0.0334	0.9666	0.3239	0.3900
anuran-genus	0.9318	0.0170	0.9318	0.8905	0.2928
anuran-species	0.9597	0.0081	0.9597	0.9445	0.1473
aps-failure	0.9463	0.0537	0.9463	0.3786	0.4453
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.4000	0.0923	0.4000	0.3041	0.3976
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.6865	0.0396	0.6947	0.6499	0.0370
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8710	0.0893
avila	0.9650	0.0058	0.9650	0.9550	0.2028
balance	0.6774	0.2151	0.6774	0.5122	0.3821
bank	0.8602	0.1398	0.8602	0.5285	0.5660
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8756	0.1244	0.8756	0.7306	0.5168
basehock	0.9497	0.0503	0.9497	0.8995	0.2604
bio	0.9658	0.0342	0.9658	0.3256	0.3982
biodeg	0.8762	0.1238	0.8762	0.7437	0.5019
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.1579	0.0459	0.1589	0.0198	0.1533
block10%	0.9986	0.0014	0.9986	0.8360	0.4270
block10%	0.9986	0.0014	0.9986	0.8360	0.4270
breast-cancer	0.6429	0.3571	0.6429	0.2857	0.7711
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7053	0.0989	0.6979	0.6069	0.1429
bub10at310k-hg16-17	0.7931	0.2069	0.7931	0.3040	0.5670
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7363	0.5066
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9044	0.2104
card	0.8116	0.1884	0.8116	0.6188	0.6405
cardiotocography	0.8404	0.0319	0.8404	0.8125	0.2187
cardiotocography-nsp	0.8732	0.0845	0.8732	0.6967	0.4651
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.7050	0.4148
cas_N6512_cdk_ECFP2	0.7558	0.2442	0.7558	0.5100	0.7406
cdc_diabetes	0.5366	0.3089	0.5366	0.1715	0.4803
census10%	0.8262	0.1738	0.8262	0.3086	0.4799
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.9070	0.0930	0.9070	0.5100	0.5771
cervical-C	0.7791	0.2209	0.7791	0.0073	0.4855
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9070	0.0930	0.9070	0.5043	0.6240
chemo_fontaine	0.9070	0.0930	0.9070	0.8009	0.4261
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9783	0.0217	0.9783	0.0753	0.1093
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7692	0.4727
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3280	0.8276
cirrhosis	0.6429	0.2381	0.6429	0.4199	0.5514
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7111	0.1444	0.7111	0.5973	0.4626
climate	0.8333	0.1667	0.8333	0.3269	0.5540
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.6600	0.3400	0.6600	0.1237	0.5390
cmc	0.5442	0.3039	0.5442	0.3068	0.6842
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0710
codon_usage	0.8350	0.0300	0.8350	0.8040	0.3015
coil20	0.9583	0.0042	0.9583	0.9561	0.0267
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6897	0.3103	0.6897	0.3587	0.8095
colposcopies-2	0.7241	0.2759	0.7241	0.4341	0.7805
colposcopies-3	0.7241	0.2759	0.7241	0.4171	0.7875
colposcopies-4	0.5862	0.4138	0.5862	0.1031	0.8707

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.5085	0.5306
colposcopies-6	0.6897	0.3103	0.6897	0.3771	0.8327
colposcopies-c	0.6552	0.3448	0.6552	0.2714	0.7523
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8065	0.1290	0.8065	0.6895	0.2733
connect-4	0.9583	0.0278	0.9583	0.4918	0.4931
cottonmeloidogyne	0.6947	0.3053	0.6947	0.3896	0.8272
coupon	0.7500	0.2500	0.7500	0.4943	0.7506
covtype	0.9365	0.0181	0.9365	0.9005	0.2828
covtypeCD	0.9742	0.0258	0.9742	0.8977	0.3052
covtypeT	0.9649	0.0351	0.9649	0.7767	0.4691
cox2_cdk_ECFP2	0.7391	0.2609	0.7391	0.3381	0.7293
crowdsourced	0.8673	0.0442	0.8673	0.7531	0.3737
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3253	0.0969
cyclopentane	0.7407	0.2593	0.7407	0.4793	0.7616
cylinder-bands	0.8704	0.1296	0.8704	0.7393	0.5015
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6154	0.3846	0.6154	0.1772	0.3467
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7203	0.2797	0.7203	0.3240	0.7584
deposit	0.8407	0.1593	0.8407	0.4868	0.5809
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	0.1489	0.5283
dexter	0.8333	0.1667	0.8333	0.6667	0.5921
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5645	0.6907
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4558	0.3628	0.4558	0.1594	0.7445
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.4583	0.5417	0.4583	-0.1304	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5436	0.4564	0.5436	0.0900	0.9681
dropout	0.7111	0.1926	0.7111	0.5548	0.4927
drug-01	0.1755	0.2356	0.1755	0.0551	0.7793
drug-02	0.3032	0.1991	0.3032	0.1484	0.7770
drug-03	0.2340	0.2188	0.2340	0.0541	0.7192
drug-04	0.2447	0.2158	0.2447	0.1087	0.7587
drug-05	0.1117	0.2538	0.1117	0.0040	0.5918
drug-06	0.2872	0.2036	0.2872	0.1634	0.6926
drug-07	0.1755	0.2356	0.1755	0.0577	0.7481
drug-08	0.2926	0.2021	0.2926	0.1363	0.7552
drug-09	0.3329	0.1904	0.3172	0.0523	0.4662
drug-10	0.2979	0.2006	0.2979	0.1503	0.7073
drug-11	0.3723	0.1793	0.3723	0.0957	0.5635
drug-12	0.1968	0.2295	0.1968	0.0788	0.5390
drug-13	0.2926	0.2021	0.2926	0.1284	0.7120
drug-14	0.3936	0.1733	0.3936	0.2225	0.7320
drug-15	0.3032	0.1991	0.3032	0.0850	0.6567
drug-16	0.3298	0.1915	0.3298	0.1845	0.6736
drug-17	0.2128	0.2249	0.2128	0.0922	0.7630
drug-18	0.2465	0.3204	0.2378	0.0106	0.0182
drug-19	0.2766	0.2067	0.2766	0.0811	0.5933
drybean	0.9192	0.0231	0.9192	0.9024	0.1310
ecoli	0.6144	0.1032	0.6072	0.5199	0.2083
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.6970	0.3030	0.6970	0.1667	0.5194
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.4813	0.0648	0.4813	0.4381	0.6482
eeg-eye	0.9045	0.0955	0.9045	0.8063	0.4157
EPA_FHM	0.8852	0.1148	0.8852	0.4837	0.5131
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2684	0.8698
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6739	0.5826
er_tox_rdkit_ATOMPAIR	0.8197	0.1803	0.8197	0.2959	0.4064
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.5635	0.5921
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8281	0.3880
er_tox_rdkit_MACCS	0.8548	0.1452	0.8548	0.3497	0.4422
er_tox_rdkit_MORGAN	0.8065	0.1935	0.8065	0.2749	0.3900
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4981	0.6523
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.3497	0.4422
eucalyptus	0.5890	0.1644	0.5890	0.4836	0.4290
euthyroid	0.9462	0.0538	0.9462	0.7238	0.4994
exon.vs.intron-freq	0.9749	0.0251	0.9749	0.9496	0.1588
fbis-wc	0.7561	0.0287	0.7561	0.7289	0.2914
fda.atompair_fp	0.4545	0.5455	0.4545	-0.1379	0.9011
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.3500	0.1625	0.3500	0.2916	0.2874
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5320	0.0188	0.5150	0.5264	0.6394
forest	0.9038	0.0481	0.9038	0.8672	0.1099
gas	0.9849	0.0050	0.9849	0.9817	0.0363
gastrointestinal	0.6250	0.2500	0.6250	0.4483	0.4207
gender	0.4526	0.3649	0.4526	0.1483	0.7118
gene	0.9180	0.0547	0.9180	0.8674	0.2209
german	0.6400	0.3600	0.6400	0.2088	0.8988
gina	0.9135	0.0865	0.9135	0.8270	0.3919
glass	0.6190	0.1270	0.6190	0.5130	0.2518
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.7143	0.2857	0.7143	0.4375	0.7044
glassContainers	0.9545	0.0455	0.9545	0.7755	0.4644
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.5714	0.4286	0.5714	-0.0925	0.3039
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.7333	0.2667	0.7333	0.4118	0.7372
hapt	0.9314	0.0114	0.9314	0.9190	0.1127
har70	0.7698	0.0658	0.7698	0.7005	0.2220
harth10%	0.8080	0.0320	0.8080	0.7468	0.3169
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.8000	0.2000	0.8000	0.5455	0.5283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8392	0.1608	0.8392	0.6784	0.5844
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.7177	0.2823	0.7177	0.4364	0.7921
higher	0.2143	0.1964	0.2143	0.1149	0.3443
hinselmann	0.7000	0.3000	0.7000	0.4000	0.5239
hiv1-proteasa	0.8567	0.1433	0.8567	0.5803	0.6110
hiva	0.7305	0.2695	0.7305	0.0784	0.2948
horse	0.6111	0.2593	0.6111	0.3891	0.6419
htru2	0.9542	0.0458	0.9542	0.7625	0.4770
ht-sensor	0.9997	0.0002	0.9997	0.9996	0.0018
hypothyroid	0.8789	0.0755	0.8774	0.5534	0.2986
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6271	0.3729	0.6271	0.1774	0.8671
immuno-therapy	0.7778	0.2222	0.7778	0.5263	0.5283
ionosphere	0.8571	0.1429	0.8571	0.7049	0.4505
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8485	0.0117	0.8485	0.8425	0.1249
jm1	0.6887	0.3113	0.6887	0.2890	0.7010
jvowels	0.9197	0.0178	0.9197	0.9090	0.1210
kc1	0.7204	0.2796	0.7204	0.2847	0.6704
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.0668	0.0902	0.0613	0.0051	0.0402
kc1-class-level-top5percentDF	0.6667	0.3333	0.6667	-0.1194	0.4433
kc2	0.7692	0.2308	0.7692	0.4536	0.6691
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.8692	0.0145	0.8692	0.8545	0.2364
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8222	0.0593	0.8222	0.7780	0.3001
la2s-wc	0.8311	0.0563	0.8311	0.7881	0.2568
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6288	0.0800
led24	0.6000	0.0800	0.6000	0.5493	0.1529
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9290	0.0055	0.9290	0.9261	0.0817
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7500	0.0333	0.7500	0.7313	0.1003
linkage10%	0.9993	0.0007	0.9993	0.9107	0.3105
liver	0.5588	0.4412	0.5588	0.1356	0.8674
localization	0.5964	0.0734	0.5964	0.5308	0.5797
lrs	0.6669	0.0736	0.6650	0.5858	0.2659
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8571	0.0571	0.8571	0.7649	0.1331
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9029	0.1238
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6842	0.5000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5385	0.1308
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7089	0.1398	0.7027	0.5524	0.2635
lymphoma2	0.8889	0.0247	0.8889	0.8594	0.0000
madelon	0.7808	0.2192	0.7808	0.5615	0.6988
magic04	0.8622	0.1378	0.8622	0.7029	0.5524

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5245	0.7058
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7455	0.3693
messidor	0.6696	0.3304	0.6696	0.3369	0.8520
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0609
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1969
mfeat-kar	0.8700	0.0260	0.8700	0.8556	0.1375
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2154
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0944
mfeat-zer	0.6650	0.0670	0.6650	0.6278	0.2490
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4438	0.4154
mobile	0.8427	0.0056	0.8427	0.8398	0.0716
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	0.9836	0.0164	0.9836	0.9641	0.1262
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9576	0.0424	0.9576	0.8439	0.3667
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.8502
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2738	0.8920
MUT_ci300400a	0.8509	0.1491	0.8509	0.6991	0.5555
MUT_ci300400a_cdk_ECFP2	0.8153	0.1847	0.8153	0.6279	0.6264
myocardial	0.4059	0.1485	0.4059	0.1348	0.4646
naticusdroid	0.9693	0.0307	0.9693	0.9386	0.1847
nci9	0.3333	0.1481	0.3333	0.2941	0.1321
ncRNA10%	0.7192	0.0296	0.7192	0.5009	0.9317
newspop	0.6476	0.3524	0.6476	0.2961	0.8787
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9646	0.0354	0.9646	0.9143	0.2447
NPHA-doctor-visits	0.3333	0.4444	0.3333	0.0259	0.7639
nursery	0.8758	0.0497	0.8758	0.8263	0.1594
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9756	0.1063
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9791	0.0498
oh0-wc	0.8614	0.0277	0.8614	0.8411	0.1336
oh10-wc	0.6952	0.0610	0.6952	0.6608	0.2393
oh15-wc	0.8043	0.0391	0.8043	0.7788	0.1999
oh5-wc	0.6923	0.0615	0.6923	0.6565	0.2716
opn310k	0.8067	0.1933	0.8067	0.3311	0.5717
opnat310k-hg16-17	0.8093	0.1907	0.8093	0.3372	0.5723
optdigits	0.9484	0.0103	0.9484	0.9426	0.0710
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.8340	0.1660	0.8340	0.2549	0.3602
ozone8hr	0.7787	0.2213	0.7787	0.2280	0.5221
p53-mutants10%	0.8694	0.1306	0.8694	-0.0063	0.0504
page-blocks	0.9086	0.0366	0.9086	0.6502	0.4785

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.9212	0.0788	0.9212	0.8140	0.4132
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.7928	0.2072	0.7928	0.2992	0.4867
pcmac	0.4845	0.5155	0.4845	-0.0103	0.9760
pd	0.9211	0.0789	0.9211	0.7966	0.4359
pediatric-leukemia	0.7353	0.0756	0.7353	0.6765	0.2110
pendigits	0.9745	0.0051	0.9745	0.9717	0.0420
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.4444	0.5556	0.4444	0.0000	0.8722
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6866	0.5496
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6832	0.5704
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7059	0.4011
Pgp_desc	0.7500	0.2500	0.7500	0.5098	0.6824
phishing	0.9673	0.0327	0.9673	0.9317	0.2032
phoneme	0.9130	0.0870	0.9130	0.7973	0.4332
phy	0.6712	0.3288	0.6712	0.3423	0.8563
pima	0.7237	0.2763	0.7237	0.4380	0.7810
plx	0.7222	0.2778	0.7222	0.3478	0.8027
poker	0.4625	0.1075	0.4625	0.2605	0.8317
polish-1st	0.8464	0.1536	0.8464	0.2790	0.3964
polish-2nd	0.8623	0.1377	0.8623	0.2603	0.4429
polish-3rd	0.8219	0.1781	0.8219	0.2119	0.4442
polish-4th	0.8031	0.1969	0.8031	0.2635	0.4249
polish-5th	0.8629	0.1371	0.8629	0.3956	0.5503
polya	0.7427	0.2573	0.7427	0.4726	0.7400
popularity	0.4714	0.3524	0.4714	0.2032	0.6242
post-operative	0.3307	0.4550	0.3465	0.1774	0.2935
postures	0.9800	0.0080	0.9800	0.9750	0.0514
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9116
primary-tumor	0.2736	0.0789	0.2608	0.2367	0.2269
profb	0.5522	0.4478	0.5522	0.1604	0.8288
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9880	0.0048	0.9880	0.9840	0.0435
pufs-6410%	0.4995	0.5005	0.4995	-0.0009	1.0000
raisin	0.8444	0.1556	0.8444	0.6889	0.5731
re0-wc	0.7000	0.0462	0.7000	0.6363	0.3935
re1-wc	0.7590	0.0193	0.7590	0.7351	0.2606
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.6967	0.3033	0.6967	0.4021	0.7820
RT_IOT2022	0.9959	0.0007	0.9959	0.9896	0.0369
satimage	0.8880	0.0373	0.8880	0.8626	0.1846
satimageF	0.9782	0.0218	0.9782	0.8944	0.3076
satimageT	0.8756	0.1244	0.8756	0.5368	0.5664
scadi	0.5634	0.1292	0.5660	0.4485	0.1200
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.5588	0.4412	0.5588	0.1176	0.9547
secom	0.7372	0.2628	0.7372	0.1672	0.4435
secondary_mushroom	0.9992	0.0008	0.9992	0.9983	0.0091
segment	0.9567	0.0124	0.9567	0.9494	0.0513
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.6860	0.3140	0.6860	0.1164	0.4220
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.6526	0.3474	0.6526	0.1544	0.6186
sens-2-gram	0.6789	0.3211	0.6789	0.1878	0.6256
sens-3-gram	0.6816	0.3184	0.6816	0.1824	0.6322
sens-4-gram	0.7158	0.2842	0.7158	0.1759	0.6738
sensorless	0.9877	0.0022	0.9877	0.9865	0.0215
sepsis	0.5403	0.4597	0.5403	0.0900	0.4224
shoppers	0.8370	0.1630	0.8370	0.5234	0.6160
shuttle	0.9974	0.0007	0.9974	0.9928	0.2960
sick	0.9735	0.0265	0.9735	0.8073	0.4253
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0090
smk_can_187	0.4737	0.5263	0.4737	-0.0326	0.9785
solar-flare	0.6835	0.1055	0.6835	0.6096	0.2809
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9559	0.0046	0.9559	0.9518	0.0280
spambase	0.9413	0.0587	0.9413	0.8771	0.3056
spect	0.5926	0.4074	0.5926	0.1681	0.7466
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.4792	0.0088	0.4955	0.4542	0.1123
splice-EI	0.9432	0.0568	0.9432	0.8589	0.3450
splice-IE	0.9401	0.0599	0.9401	0.8434	0.3752
sport-articles	0.8100	0.1900	0.8100	0.6035	0.6508
squash-stored	0.8000	0.1333	0.8000	0.7059	0.1585
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8256	0.1744	0.8256	0.5678	0.6142
steel-d	0.8462	0.1538	0.8462	0.2086	0.3605
steel_industry	0.9170	0.0554	0.9170	0.8655	0.2090
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7744	0.2256	0.7744	0.5197	0.7181
steel-p	0.8564	0.1436	0.8564	0.4521	0.5387
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9436	0.0564	0.9436	0.7352	0.4996
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.3077	0.2769	0.3077	0.1410	0.7093
student-workday	0.3750	0.2500	0.3750	0.1049	0.6953
susy10%	0.7835	0.2165	0.7835	0.5618	0.6933
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9655	0.0063	0.9655	0.9619	0.0492
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.6383	0.3617	0.6383	0.1343	0.6651
Thyroid_Diff	0.9474	0.0526	0.9474	0.8721	0.3093
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8818	0.1182	0.8818	0.7055	0.5390
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6667	0.0398
tox_171	0.8235	0.0882	0.8235	0.7661	0.1654
toxicity	0.4706	0.5294	0.4706	-0.1168	0.9859
toxicity-13f	0.7647	0.2353	0.7647	0.5211	0.6923
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5200	0.4800	0.5200	-0.0090	0.8360
trec11-wc	0.7805	0.0488	0.7805	0.7425	0.1561
trec12-wc	0.8710	0.0323	0.8710	0.8475	0.1405

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6759	0.2890
trec23-wc	0.9524	0.0159	0.9524	0.9352	0.0757
trec31-wc	0.4731	0.1505	0.4731	0.3992	0.3135
trec41-wc	0.8295	0.0341	0.8295	0.7989	0.1926
trec45-wc	0.8551	0.0290	0.8551	0.8332	0.1183
tuandromd	0.9776	0.0224	0.9776	0.9321	0.2192
turkish	0.7500	0.1250	0.7500	0.6667	0.3244
tvnews	0.9575	0.0425	0.9575	0.9083	0.2445
urban	0.8507	0.0332	0.8507	0.8265	0.1598
vehicle	0.7619	0.1190	0.7619	0.6780	0.2934
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.4040	0.1084	0.4040	0.3444	0.3113
vowelZ	0.9596	0.0404	0.9596	0.7963	0.4472
vrnormat310k-hg16-17	0.8327	0.1673	0.8327	0.3746	0.5887
wap-wc	0.6026	0.0397	0.6026	0.5707	0.2944
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0585
warppie10p	0.9048	0.0190	0.9048	0.8942	0.0492
watch-acc10%	0.9978	0.0006	0.9978	0.9975	0.0065
watch-gyr10%	0.9988	0.0003	0.9988	0.9987	0.0037
waveform	0.7880	0.1413	0.7880	0.6820	0.4455
web-phishing	0.8444	0.1037	0.8444	0.7304	0.4199
weight-lift	0.9947	0.0021	0.9947	0.9932	0.0170
white-clover	0.3310	0.3440	0.3249	0.0796	0.1772
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9420	0.0580	0.9420	0.6047	0.5307
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.4214	0.1929	0.4214	0.2432	0.7018
winequality-white	0.3681	0.1805	0.3681	0.2343	0.6769
winnipeg	0.9942	0.0017	0.9942	0.9926	0.0448
yale	0.6875	0.0417	0.6875	0.6653	0.0746
yeast	0.5541	0.0892	0.5541	0.4573	0.5192
yeastCYT-POX	0.8163	0.1837	0.8163	0.2563	0.3673
yeastEXC	0.7973	0.2027	0.7973	0.1704	0.2692
yeastME1	0.9662	0.0338	0.9662	0.6004	0.5302
yeastME2	0.8311	0.1689	0.8311	0.2682	0.4360
zip	0.9204	0.0159	0.9204	0.9109	0.1282
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 15: Detailed results for RUSBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0438	0.0837	0.0715	-0.0006	0.6745
abalone19	0.7081	0.2919	0.7081	0.0022	0.0696
abalone9-18	0.7123	0.2877	0.7123	0.1421	0.3786
accelerometer	0.8584	0.1416	0.8584	0.1658	0.2608
ads	0.9543	0.0457	0.9543	0.8276	0.4062
adult	0.8227	0.1773	0.8227	0.5736	0.6331
AID1284Morered	0.6667	0.3333	0.6667	0.2421	0.5840
AID1284red	0.5000	0.5000	0.5000	0.1074	0.5209
AID_1431	0.4762	0.5238	0.4762	-0.0476	0.4442
AID1608Morered	0.4951	0.5049	0.4951	0.0756	0.3114
AID1608red	0.6117	0.3883	0.6117	0.0324	0.3602
AID_1878	0.6571	0.3429	0.6571	0.2248	0.6942
AID362red	0.7897	0.2103	0.7897	0.0372	0.1602
AID373AID439red	0.6944	0.3056	0.6944	0.0008	0.0016
AID373red	0.7391	0.2609	0.7391	0.0031	0.0115
AID439Morered	0.8571	0.1429	0.8571	0.5882	0.5283
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.6834	0.3166	0.6834	0.0003	0.0296
AID600_MACCS	0.6984	0.2932	0.7030	0.3526	0.7853
AID_602330	0.6094	0.3906	0.6094	0.0456	0.2695
AID604	0.8773	0.1227	0.8773	0.0482	0.0768
AID604AID644_AllRed	0.7927	0.2073	0.7927	0.0044	0.0138
AID644Morered	0.5500	0.4500	0.5500	0.0625	0.8958
AID644red	0.5500	0.4500	0.5500	0.0625	0.8958
AID_652128	0.3535	0.4310	0.3535	0.0222	0.3856
AID687AID721red	0.4416	0.5584	0.4416	0.0010	0.0031
AID687red	0.5606	0.4394	0.5606	0.0036	0.0229
AID688red	0.5594	0.4406	0.5594	0.0000	0.0693
AID721morered	0.4444	0.5556	0.4444	-0.0465	0.7758
AID721red	0.2222	0.7778	0.2222	-0.1887	0.7422
AID746AID1284red	0.7249	0.2751	0.7249	0.0053	0.0104
AID746red	0.7158	0.2842	0.7158	0.0204	0.0597
AID_773	0.4074	0.5926	0.4074	0.0137	0.4609
AID852_MACCS	0.8904	0.1088	0.8922	0.6725	0.4860
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.8202	0.0719	0.8202	0.6965	0.2532
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9444	0.0278	0.9444	0.8960	0.2731
anuran-f-b	0.9583	0.0417	0.9583	0.2753	0.3467
anuran-genus	0.9388	0.0153	0.9388	0.9020	0.2342
anuran-species	0.9694	0.0061	0.9694	0.9577	0.1024
aps-failure	0.9520	0.0480	0.9520	0.4066	0.4636
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.4222	0.0889	0.4222	0.3356	0.3497
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.4205	0.0406	0.4465	0.3785	0.1516
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.7000	0.1000	0.7000	0.6215	0.2548
avila	0.5803	0.0700	0.5803	0.5087	0.5763
balance	0.7258	0.1828	0.7258	0.5729	0.3741
bank	0.8553	0.1447	0.8553	0.5189	0.5647
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8986	0.1014	0.8986	0.7792	0.4503
basehock	0.9648	0.0352	0.9648	0.9296	0.2045
bio	0.9743	0.0257	0.9743	0.3875	0.4503
biodeg	0.8476	0.1524	0.8476	0.6830	0.5747
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.0443	0.0610	0.0424	0.0120	0.1063
block10%	0.9987	0.0013	0.9987	0.8444	0.4168
block10%	0.9987	0.0013	0.9987	0.8444	0.4168
breast-cancer	0.5714	0.4286	0.5714	0.2364	0.6886
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.3636	0.6364	0.3636	-0.3509	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.6851	0.0922	0.7096	0.6031	0.1464
bub10at310k-hg16-17	0.7990	0.2010	0.7990	0.3163	0.5686
bze_3d_rdkit_descriptors	0.8049	0.1951	0.8049	0.4727	0.7114
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9023	0.0489	0.9023	0.8072	0.2745
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8592	0.0282	0.8592	0.8338	0.1714
cardiotocography-nsp	0.8920	0.0720	0.8920	0.7311	0.4304
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.6269	0.4593
cas_N6512_cdk_ECFP2	0.7481	0.2519	0.7481	0.4933	0.7542
cdc_diabetes	0.5593	0.2938	0.5593	0.1829	0.4910
census10%	0.8346	0.1654	0.8346	0.3285	0.4840
central-nervous-system	0.5000	0.5000	0.5000	0.1818	0.5239
cervical-B	0.8837	0.1163	0.8837	0.4459	0.5661
cervical-C	0.7791	0.2209	0.7791	0.0073	0.4855
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9302	0.0698	0.9302	0.5865	0.5624
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9803	0.0197	0.9803	0.0829	0.1191
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8057	0.4241
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6857	0.5682
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4427	0.7703
cirrhosis	0.6190	0.2540	0.6190	0.3812	0.5705
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7241	0.1380	0.7241	0.6113	0.4683
climate	0.8333	0.1667	0.8333	0.3269	0.5540
cil_sub_111	0.6667	0.2222	0.6667	0.4286	0.3779
cm1	0.7000	0.3000	0.7000	0.1573	0.5626
cmc	0.5238	0.3175	0.5238	0.2748	0.7160
cnae-9	0.8796	0.0267	0.8796	0.8646	0.1299
codon_usage	0.6853	0.0572	0.6853	0.6303	0.4602
coil20	0.9444	0.0056	0.9444	0.9415	0.0359
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.7586	0.2414	0.7586	0.4781	0.7496
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.6552	0.3448	0.6552	0.2526	0.8193

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.2658	0.7266
colposcopies-6	0.7586	0.2414	0.7586	0.5155	0.7334
colposcopies-c	0.6207	0.3793	0.6207	0.2276	0.7514
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.7419	0.1720	0.7419	0.5860	0.3017
connect-4	0.9534	0.0311	0.9534	0.4641	0.4918
cottonmeloidogyne	0.7788	0.2212	0.7788	0.5580	0.6976
coupon	0.7760	0.2240	0.7760	0.5363	0.7028
covtype	0.8037	0.0561	0.8037	0.7012	0.4291
covtypeCD	0.9747	0.0253	0.9747	0.8995	0.3019
covtypeT	0.9644	0.0356	0.9644	0.7727	0.4720
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.4087	0.7204
crowdsourced	0.8728	0.0424	0.8728	0.7631	0.3759
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.6875	0.0156	0.6875	0.6784	0.0363
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.8148	0.1852	0.8148	0.6170	0.6347
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.6154	0.3846	0.6154	0.1772	0.3467
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7157	0.2843	0.7157	0.3230	0.7532
deposit	0.8370	0.1630	0.8370	0.4818	0.5771
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2889	0.5108
dexter	0.8000	0.2000	0.8000	0.6000	0.6644
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.6145	0.6444
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.4440	0.3707	0.4440	0.0917	0.7903
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.4583	0.5417	0.4583	-0.1304	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.5455	0.4011
dota2	0.5508	0.4492	0.5508	0.0944	0.9678
dropout	0.7336	0.1776	0.7336	0.5802	0.4739
drug-01	0.1809	0.2340	0.1809	0.0327	0.8264
drug-02	0.3511	0.1854	0.3511	0.1865	0.7774
drug-03	0.2021	0.2280	0.2021	0.0644	0.6542
drug-04	0.2660	0.2097	0.2660	0.1115	0.7850
drug-05	0.1064	0.2553	0.1064	-0.0136	0.6551
drug-06	0.2606	0.2112	0.2606	0.1321	0.6909
drug-07	0.1809	0.2340	0.1809	0.0087	0.8107
drug-08	0.3457	0.1869	0.3457	0.1660	0.7822
drug-09	0.3460	0.1765	0.3390	0.0107	0.5362
drug-10	0.3032	0.1991	0.3032	0.1273	0.7571
drug-11	0.4362	0.1611	0.4362	0.0875	0.5989
drug-12	0.2819	0.2052	0.2819	0.0891	0.5509
drug-13	0.3830	0.1763	0.3830	0.1790	0.7047
drug-14	0.4681	0.1520	0.4681	0.2886	0.7296
drug-15	0.3245	0.1930	0.3245	0.0646	0.6995
drug-16	0.3191	0.1945	0.3191	0.1611	0.7112
drug-17	0.2128	0.2249	0.2128	0.0704	0.7946
drug-18	0.2406	0.3211	0.2222	0.0165	0.0125
drug-19	0.2766	0.2067	0.2766	0.0469	0.6514
drybean	0.9229	0.0220	0.9229	0.9068	0.1268
ecoli	0.6053	0.1074	0.6221	0.4759	0.3030
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.7273	0.2727	0.7273	0.1951	0.5391
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.3922	0.0760	0.3922	0.3458	0.6878
eeg-eye	0.9306	0.0694	0.9306	0.8594	0.3348
EPA_FHM	0.8852	0.1148	0.8852	0.4837	0.5131
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3333	0.8409
er_tox_cdk_ECFP2	0.9000	0.1000	0.9000	0.7802	0.4527
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.3807	0.4613
er_tox_rdkit_AVALON	0.8852	0.1148	0.8852	0.6020	0.5823
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.8871	0.1129	0.8871	0.6528	0.5611
er_tox_rdkit_MACCS	0.8871	0.1129	0.8871	0.4182	0.4809
er_tox_rdkit_MORGAN	0.8226	0.1774	0.8226	0.2969	0.4064
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5250	0.6438
er_tox_rdkit_TORSION	0.8710	0.1290	0.8710	0.3815	0.4613
eucalyptus	0.5753	0.1699	0.5753	0.4629	0.3945
euthyroid	0.9589	0.0411	0.9589	0.7941	0.4458
exon.vs.intron-freq	0.9829	0.0171	0.9829	0.9656	0.1136
fbis-wc	0.8008	0.0234	0.8008	0.7767	0.2023
fda.atompair_fp	0.5000	0.5000	0.5000	-0.0901	0.9073
fertility	0.6000	0.4000	0.6000	0.2000	0.3900
flags	0.4000	0.1500	0.4000	0.3023	0.3240
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5235	0.0188	0.5132	0.5216	0.6240
forest	0.9038	0.0481	0.9038	0.8672	0.1099
gas	0.9957	0.0014	0.9957	0.9948	0.0106
gastrointestinal	0.6875	0.2083	0.6875	0.5480	0.3315
gender	0.4168	0.3888	0.4168	0.0859	0.7301
gene	0.9274	0.0484	0.9274	0.8849	0.2149
german	0.6800	0.3200	0.6800	0.3059	0.8542
gina	0.9481	0.0519	0.9481	0.8961	0.2677
glass	0.7143	0.0952	0.7143	0.6283	0.2642
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.8571	0.1429	0.8571	0.6897	0.5637
glassContainers	0.9545	0.0455	0.9545	0.7755	0.4644
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9091	0.0909	0.9091	0.4634	0.5000
glassVWFP	0.6667	0.3333	0.6667	0.1503	0.2820
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7061	0.5505
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.3103	0.4332
haberman	0.6667	0.3333	0.6667	0.3119	0.7543
hapt	0.9076	0.0154	0.9076	0.8909	0.1255
har70	0.7718	0.0652	0.7718	0.7024	0.2231
harth10%	0.8001	0.0333	0.8001	0.7360	0.3124
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.7333	0.2667	0.7333	0.4444	0.5288

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8550	0.1450	0.8550	0.7101	0.5486
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.4000	0.7154
higgs10%	0.7135	0.2865	0.7135	0.4259	0.8031
higher	0.2143	0.1964	0.2143	0.1149	0.3500
hinselmann	0.5000	0.5000	0.5000	0.1935	0.4711
hiv1-proteasa	0.8617	0.1383	0.8617	0.6016	0.5909
hiva	0.7234	0.2766	0.7234	0.0750	0.2903
horse	0.6667	0.2222	0.6667	0.4712	0.5835
htru2	0.9575	0.0425	0.9575	0.7757	0.4631
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0002
hypothyroid	0.6955	0.1474	0.6997	0.2241	0.4100
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6610	0.3390	0.6610	0.3171	0.7616
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9063	0.0072	0.9063	0.9025	0.0806
jm1	0.6648	0.3352	0.6648	0.2442	0.7127
jvowels	0.9779	0.0049	0.9779	0.9750	0.0410
kc1	0.6919	0.3081	0.6919	0.2612	0.6505
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.4164	0.0575	0.4244	0.2030	0.1948
kc1-class-level-top5percentDF	0.5333	0.4667	0.5333	-0.1290	0.3873
kc2	0.7885	0.2115	0.7885	0.4856	0.6633
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.4317	0.0631	0.4317	0.3746	0.6332
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8095	0.0635	0.8095	0.7620	0.3302
la2s-wc	0.8576	0.0475	0.8576	0.8216	0.2541
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7223	0.0616
led24	0.7000	0.0600	0.7000	0.6620	0.1246
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9625	0.0029	0.9625	0.9610	0.0446
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8889	0.0148	0.8889	0.8807	0.0480
linkage10%	0.9993	0.0007	0.9993	0.9127	0.3064
liver	0.6176	0.3824	0.6176	0.2508	0.8143
localization	0.5980	0.0731	0.5980	0.5301	0.5941
lrs	0.5988	0.0664	0.6010	0.4617	0.2538
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9139	0.1179
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.8174	0.2476
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6842	0.5000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7789	0.0981	0.7739	0.6375	0.1709
lymphoma2	0.5556	0.0988	0.5556	0.4545	0.1279
madelon	0.7692	0.2308	0.7692	0.5385	0.7182
magic04	0.8611	0.1389	0.8611	0.6995	0.5559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7500	0.2500	0.7500	0.5045	0.7173
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7747	0.3494
messidor	0.6435	0.3565	0.6435	0.2861	0.8783
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.8850	0.0230	0.8850	0.8722	0.1378
mfeat-fou	0.7350	0.0530	0.7350	0.7056	0.2416
mfeat-kar	0.8350	0.0330	0.8350	0.8167	0.1815
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2238
mfeat-pix	0.9050	0.0190	0.9050	0.8944	0.1089
mfeat-zer	0.6900	0.0620	0.6900	0.6556	0.2593
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5948	0.3659
mobile	0.9021	0.0035	0.9021	0.9003	0.0458
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8714	0.2849
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.8502
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3711	0.8369
MUT_ci300400a	0.8634	0.1366	0.8634	0.7244	0.5256
MUT_ci300400a_cdk_ECFP2	0.8321	0.1679	0.8321	0.6551	0.6067
myocardial	0.4353	0.1412	0.4353	0.1781	0.4468
naticusdroid	0.9693	0.0307	0.9693	0.9386	0.1849
nci9	0.3333	0.1481	0.3333	0.2258	0.1175
ncRNA10%	0.7082	0.0307	0.7082	0.4859	0.9159
newspop	0.6471	0.3529	0.6471	0.2901	0.8840
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9701	0.0299	0.9701	0.9277	0.2188
NPHA-doctor-visits	0.3472	0.4352	0.3472	0.0012	0.7875
nursery	0.6443	0.1423	0.6443	0.5221	0.3490
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0826
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9791	0.0498
oh0-wc	0.8911	0.0218	0.8911	0.8757	0.1206
oh10-wc	0.7619	0.0476	0.7619	0.7323	0.2151
oh15-wc	0.8913	0.0217	0.8913	0.8766	0.1063
oh5-wc	0.8022	0.0396	0.8022	0.7771	0.1878
opn310k	0.8131	0.1869	0.8131	0.3474	0.5714
opnat310k-hg16-17	0.8207	0.1793	0.8207	0.3604	0.5765
optdigits	0.9680	0.0064	0.9680	0.9644	0.0482
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8000	0.0100	0.8000	0.7949	0.0350
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8538	0.1462	0.8538	0.2847	0.3847
ozone8hr	0.8182	0.1818	0.8182	0.2621	0.5659
p53-mutants10%	0.8503	0.1497	0.8503	-0.0063	0.0462
page-blocks	0.9122	0.0351	0.9122	0.6556	0.3847

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.9257	0.0743	0.9257	0.8251	0.3962
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.8288	0.1712	0.8288	0.3892	0.4784
pcmac	0.4948	0.5052	0.4948	0.0600	0.8884
pd	0.9079	0.0921	0.9079	0.7742	0.4586
pediatric-leukemia	0.8529	0.0420	0.8529	0.8229	0.1574
pendigits	0.9954	0.0009	0.9954	0.9949	0.0089
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.3333	0.6667	0.3333	-0.2857	0.9644
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6822	0.5659
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.8135
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7787	0.4355
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9837	0.0163	0.9837	0.9660	0.1146
phoneme	0.8981	0.1019	0.8981	0.7671	0.4628
phy	0.6914	0.3086	0.6914	0.3826	0.8312
pima	0.7368	0.2632	0.7368	0.4493	0.7788
plx	0.5000	0.5000	0.5000	-0.0519	0.8981
poker	0.1249	0.1750	0.1249	0.0010	0.8840
polish-1st	0.8407	0.1593	0.8407	0.2614	0.3941
polish-2nd	0.8496	0.1504	0.8496	0.2466	0.4231
polish-3rd	0.7686	0.2314	0.7686	0.1614	0.3893
polish-4th	0.7816	0.2184	0.7816	0.2129	0.4187
polish-5th	0.8579	0.1421	0.8579	0.3772	0.5513
polya	0.7827	0.2173	0.7827	0.5217	0.7143
popularity	0.4734	0.3511	0.4734	0.1797	0.6491
post-operative	0.5457	0.3049	0.5610	0.3058	0.4726
postures	0.9944	0.0023	0.9944	0.9930	0.0173
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8709
primary-tumor	0.2319	0.0838	0.2321	0.2054	0.1901
profb	0.6119	0.3881	0.6119	0.2581	0.7928
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9944	0.0022	0.9944	0.9926	0.0230
pufs-6410%	0.5015	0.4985	0.5015	0.0030	0.9960
raisin	0.8667	0.1333	0.8667	0.7333	0.5209
re0-wc	0.6933	0.0472	0.6933	0.6340	0.3066
re1-wc	0.6506	0.0280	0.6506	0.6249	0.2508
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7300	0.2700	0.7300	0.4637	0.7477
RT_IOT2022	0.9885	0.0019	0.9885	0.9711	0.0517
satimage	0.9020	0.0327	0.9020	0.8799	0.1674
satimageF	0.9782	0.0218	0.9782	0.8944	0.3076
satimageT	0.8647	0.1353	0.8647	0.5289	0.5382
scadi	0.4314	0.1710	0.4299	0.2312	0.2592
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.5588	0.4412	0.5588	0.1176	0.9547
secom	0.6923	0.3077	0.6923	0.1840	0.3811
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9394	0.0173	0.9394	0.9291	0.0700
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.6899	0.3101	0.6899	0.1355	0.4174
semeion	0.9811	0.0189	0.9811	0.9038	0.3038
sens-1-gram	0.6263	0.3737	0.6263	0.1314	0.6065
sens-2-gram	0.6263	0.3737	0.6263	0.1314	0.6065
sens-3-gram	0.6711	0.3289	0.6711	0.2104	0.5989
sens-4-gram	0.7132	0.2868	0.7132	0.2083	0.6525
sensorless	0.9839	0.0029	0.9839	0.9823	0.0265
sepsis	0.6235	0.3765	0.6235	0.0862	0.4899
shoppers	0.8475	0.1525	0.8475	0.5415	0.6164
shuttle	0.9976	0.0007	0.9976	0.9932	0.2906
sick	0.9708	0.0292	0.9708	0.7915	0.4447
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0090
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.7194	0.0935	0.7194	0.6517	0.2753
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9265	0.0077	0.9265	0.9199	0.0360
spambase	0.9457	0.0543	0.9457	0.8865	0.2910
spect	0.7037	0.2963	0.7037	0.3684	0.6735
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.2880	0.0299	0.2779	0.2431	0.1816
splice-EI	0.9432	0.0568	0.9432	0.8589	0.3450
splice-IE	0.9369	0.0631	0.9369	0.8387	0.3746
sport-articles	0.7900	0.2100	0.7900	0.5711	0.6658
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.5130	0.6287
steel-d	0.8974	0.1026	0.8974	0.2988	0.4409
steel_industry	0.9187	0.0542	0.9187	0.8683	0.2044
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.8154	0.1846	0.8154	0.6017	0.6526
steel-p	0.8359	0.1641	0.8359	0.4298	0.5000
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9538	0.0462	0.9538	0.7834	0.4566
studentap	0.5385	0.3077	0.5385	0.3036	0.5575
student-weekend	0.2769	0.2892	0.2769	0.0829	0.7856
student-workday	0.4219	0.2313	0.4219	0.0651	0.7555
susy10%	0.7925	0.2075	0.7925	0.5796	0.6755
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.7778	0.2222	0.7778	0.4545	0.7019
texture	0.9855	0.0026	0.9855	0.9840	0.0225
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.5532	0.4468	0.5532	0.0645	0.6319
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8781	0.1219	0.8781	0.7010	0.5394
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.8750	0.0417	0.8750	0.8333	0.0000
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7059	0.2941	0.7059	0.4218	0.7321
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5333	0.4667	0.5333	0.0046	0.8383
trec11-wc	0.8780	0.0271	0.8780	0.8545	0.1219
trec12-wc	0.8065	0.0484	0.8065	0.7718	0.1582

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7576	0.0808	0.7576	0.5829	0.2136
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.7742	0.0645	0.7742	0.7193	0.2536
trec41-wc	0.8750	0.0250	0.8750	0.8509	0.1652
trec45-wc	0.9710	0.0058	0.9710	0.9664	0.0376
tuandromd	0.9888	0.0112	0.9888	0.9656	0.1339
turkish	0.7750	0.1125	0.7750	0.7000	0.3100
tvnews	0.9624	0.0376	0.9624	0.9189	0.2227
urban	0.8507	0.0332	0.8507	0.8255	0.1571
vehicle	0.7381	0.1310	0.7381	0.6463	0.1914
vehicleVAN	0.9405	0.0595	0.9405	0.8529	0.3439
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5152	0.0882	0.5152	0.4667	0.2880
vowelZ	0.9697	0.0303	0.9697	0.8406	0.4011
vrnormat310k-hg16-17	0.8273	0.1727	0.8273	0.3642	0.5860
wap-wc	0.5962	0.0404	0.5962	0.5596	0.3122
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel10p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.9989	0.0003	0.9989	0.9987	0.0034
watch-gyr10%	0.9989	0.0003	0.9989	0.9988	0.0033
waveform	0.8060	0.1293	0.8060	0.7090	0.4218
web-phishing	0.8741	0.0840	0.8741	0.7851	0.3701
weight-lift	0.9997	0.0001	0.9997	0.9997	0.0009
white-clover	0.1618	0.4275	0.1547	-0.1588	0.1730
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9441	0.0559	0.9441	0.6037	0.5414
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.4025	0.1992	0.4025	0.1982	0.6870
winequality-white	0.2699	0.2086	0.2699	0.1000	0.7595
winnipeg	0.9879	0.0035	0.9879	0.9847	0.0538
yale	0.8125	0.0250	0.8125	0.7983	0.0412
yeast	0.5135	0.0973	0.5135	0.4035	0.5738
yeastCYT-POX	0.8163	0.1837	0.8163	0.2563	0.3673
yeastEXC	0.7838	0.2162	0.7838	0.1591	0.2575
yeastME1	0.9595	0.0405	0.9595	0.5542	0.5239
yeastME2	0.8378	0.1622	0.8378	0.2783	0.4438
zip	0.9570	0.0086	0.9570	0.9518	0.0717
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 16: Detailed results for AdaCost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1300	0.0683	0.1219	0.0529	0.6249
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9722	0.0278	0.9722	0.2961	0.5721
ads	0.9634	0.0366	0.9634	0.8510	0.3397
adult	0.8237	0.1763	0.8237	0.5013	0.6897
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.6944	0.3056	0.6944	-0.1786	0.7728
AID_1431	0.8413	0.1587	0.8413	0.0040	0.7137
AID1608Morered	0.8738	0.1262	0.8738	0.0656	0.6699
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.7238	0.2762	0.7238	0.2134	0.7753
AID362red	0.9766	0.0234	0.9766	0.1548	0.5701
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9977	0.0023	0.9977	-0.0011	0.4669
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6936	0.2993	0.7067	0.3497	0.7826
AID_602330	0.8854	0.1146	0.8854	0.0294	0.5343
AID604	0.9994	0.0006	0.9994	0.9140	0.2373
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.3327	0.5322
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8687	0.0875	0.8687	0.1906	0.5588
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9860	0.0140	0.9860	-0.0063	0.5653
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9901	0.0099	0.9901	0.2084	0.5474
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.9006	0.1084	0.9036	0.6727	0.4941
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9555	0.0223	0.9555	0.9154	0.1661
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9346	0.0163	0.9346	0.8917	0.2076
anuran-species	0.9458	0.0108	0.9458	0.9249	0.1373
aps-failure	0.9895	0.0105	0.9895	0.7005	0.4251
arcene	0.7000	0.3000	0.7000	0.3478	0.8165
arrhythmia	0.7778	0.0342	0.7778	0.6774	0.2019
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8156	0.0080	0.8362	0.7912	0.0260
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	1.0000	0.0000	1.0000	1.0000	0.0000
avila	0.9765	0.0039	0.9765	0.9695	0.0809
balance	0.7742	0.1505	0.7742	0.6128	0.4382
bank	0.8869	0.1131	0.8869	0.4435	0.6575
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8548	0.1452	0.8548	0.6817	0.5633
basehock	0.9497	0.0503	0.9497	0.8995	0.2604
bio	0.9962	0.0038	0.9962	0.7793	0.3454
biodeg	0.8286	0.1714	0.8286	0.6330	0.6190
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	0.9709	0.0075	0.9686	0.3292	0.8007
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6071	0.3929	0.6071	0.0000	0.9341
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8953	0.0186	0.9073	0.8700	0.0898
bub10at310k-hg16-17	0.8929	0.1071	0.8929	0.3098	0.6752
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9828	0.0086	0.9828	0.9627	0.0483
card	0.8116	0.1884	0.8116	0.6152	0.6473
cardiotocography	0.8404	0.0319	0.8404	0.8087	0.2029
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8179	0.2721
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.2610
cas_N6512_cdk_ECFP2	0.7358	0.2642	0.7358	0.4652	0.7703
cdc_diabetes	0.8168	0.1221	0.8168	0.2145	0.6001
census10%	0.9241	0.0759	0.9241	0.3510	0.6351
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9535	0.0465	0.9535	0.6895	0.5225
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.8837	0.1163	0.8837	0.7603	0.4689
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8266	0.3280
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7692	0.4727
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.5946	0.6457
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4248	0.7930
cirrhosis	0.7143	0.1905	0.7143	0.4324	0.6243
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7657	0.1171	0.7657	0.6423	0.5002
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.5238	0.3175	0.5238	0.2560	0.7241
cnae-9	0.8981	0.0226	0.8981	0.8854	0.1142
codon_usage	0.8388	0.0293	0.8388	0.8043	0.2956
coil20	0.9097	0.0090	0.9097	0.9049	0.0583
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.1256	0.9212
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.4828	0.5172	0.4828	-0.0046	0.9669
colposcopies-4	0.6552	0.3448	0.6552	0.0645	0.9084

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	-0.1810	0.8560
colposcopies-6	0.6552	0.3448	0.6552	0.3128	0.8654
colposcopies-c	0.7241	0.2759	0.7241	0.2468	0.8309
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9776	0.0149	0.9776	0.5614	0.5168
cottonmeloidogyne	0.7163	0.2837	0.7163	0.4326	0.7993
coupon	0.7421	0.2579	0.7421	0.4733	0.7662
covtype	0.9457	0.0155	0.9457	0.9128	0.1572
covtypeCD	0.9841	0.0159	0.9841	0.9328	0.1886
covtypeT	0.9844	0.0156	0.9844	0.8801	0.2653
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2129	0.7253
crowdsourced	0.8949	0.0350	0.8949	0.7862	0.3894
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4062	0.0297	0.4062	0.3902	0.0877
cyclopentane	0.6667	0.3333	0.6667	0.2957	0.8063
cylinder-bands	0.7963	0.2037	0.7963	0.5948	0.6428
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7917	0.2083	0.7917	0.3519	0.7587
deposit	0.8797	0.1203	0.8797	0.4138	0.6705
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1351	0.6307
dexter	0.8667	0.1333	0.8667	0.7333	0.5209
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5796	0.6640
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.4980	0.3346	0.4980	0.1101	0.7707
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5833	0.4167	0.5833	0.1429	0.9438
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5231	0.4769	0.5231	0.0439	0.9860
dropout	0.7043	0.1971	0.7043	0.5252	0.5611
drug-01	0.2660	0.2097	0.2660	-0.0049	0.8723
drug-02	0.3404	0.1885	0.3404	0.0536	0.8395
drug-03	0.5213	0.1368	0.5213	0.0372	0.7740
drug-04	0.2819	0.2052	0.2819	-0.0103	0.8634
drug-05	0.5426	0.1307	0.5426	-0.0071	0.8767
drug-06	0.3138	0.1960	0.3138	0.1743	0.7405
drug-07	0.3191	0.1945	0.3191	-0.0319	0.7172
drug-08	0.3989	0.1717	0.3989	0.0969	0.8650
drug-09	0.7776	0.0528	0.7590	0.0957	0.6007
drug-10	0.4202	0.1657	0.4202	0.1348	0.8136
drug-11	0.7447	0.0729	0.7447	0.0231	0.7583
drug-12	0.6170	0.1094	0.6170	0.0329	0.7288
drug-13	0.4840	0.1474	0.4840	0.1283	0.8491
drug-14	0.5160	0.1383	0.5160	0.1994	0.7365
drug-15	0.6330	0.1049	0.6330	0.1421	0.8670
drug-16	0.4734	0.1505	0.4734	0.1714	0.7301
drug-17	0.2872	0.2036	0.2872	0.1082	0.8219
drug-18	0.9932	0.0195	0.9728	-0.0081	0.0064
drug-19	0.5851	0.1185	0.5851	0.0144	0.5325
drybean	0.8949	0.0300	0.8949	0.8731	0.1632
ecoli	0.8032	0.0527	0.7895	0.7221	0.1739
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6043	0.6300
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3863	0.0767	0.3863	0.3220	0.7229
eeg-eye	0.8485	0.1515	0.8485	0.6932	0.5658
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2869	0.8713
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7004	0.5303
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9839	0.0161	0.9839	0.9675	0.1023
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.5890	0.1644	0.5890	0.4719	0.4631
euthyroid	0.9620	0.0380	0.9620	0.7790	0.3765
exon.vs.intron-freq	0.9668	0.0332	0.9668	0.9335	0.1965
fbis-wc	0.7561	0.0287	0.7561	0.7240	0.2313
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.5031	0.2175
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.5294	0.0187	0.5228	0.5162	0.6271
forest	0.8269	0.0865	0.8269	0.7620	0.2523
gas	0.9763	0.0079	0.9763	0.9712	0.0521
gastrointestinal	0.5625	0.2917	0.5625	0.3043	0.5880
gender	0.5284	0.3144	0.5284	0.1231	0.7401
gene	0.9180	0.0547	0.9180	0.8675	0.2373
german	0.6100	0.3900	0.6100	0.0888	0.9352
gina	0.8876	0.1124	0.8876	0.7752	0.4665
glass	0.6667	0.1111	0.6667	0.5435	0.2967
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7143	0.2857	0.7143	0.4000	0.7846
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6311	0.6282
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4667	0.2667	0.4667	0.2857	0.4368
haberman	0.6667	0.3333	0.6667	0.0741	0.8997
hapt	0.9113	0.0148	0.9113	0.8951	0.1036
har70	0.9020	0.0280	0.9020	0.8568	0.3468
harth10%	0.8437	0.0261	0.8437	0.7884	0.3085
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.4706	0.5294	0.4706	-0.1168	1.0000
heart	0.7037	0.2963	0.7037	0.3684	0.8172
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8130	0.1870	0.8130	0.6260	0.6391
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2708	0.8198
higgs10%	0.6469	0.3531	0.6469	0.2916	0.8837
higher	0.2857	0.1786	0.2857	0.1358	0.3652
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8769	0.1231	0.8769	0.5252	0.6088
hiva	0.9645	0.0355	0.9645	0.1102	0.3399
horse	0.7222	0.1852	0.7222	0.5034	0.4654
htru2	0.9682	0.0318	0.9682	0.8103	0.3714
ht-sensor	0.9997	0.0002	0.9997	0.9995	0.0022
hypothyroid	0.9815	0.0045	0.9864	0.9591	0.0457
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7985	0.0155	0.7985	0.7904	0.1777
jm1	0.8007	0.1993	0.8007	0.2627	0.7593
fvowels	0.9116	0.0196	0.9116	0.8999	0.1409
kc1	0.8578	0.1422	0.8578	0.3486	0.6576
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.4969	0.0303	0.5109	0.3009	0.0475
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.8570	0.0159	0.8570	0.8404	0.1941
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7841	0.0720	0.7841	0.7266	0.3444
la2s-wc	0.7550	0.0817	0.7550	0.6894	0.3584
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5971	0.0858
led24	0.5500	0.0900	0.5500	0.5041	0.1852
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8880	0.0086	0.8880	0.8835	0.1296
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8209	0.0671
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.5000	0.5000	0.5000	-0.0664	0.9551
localization	0.6936	0.0557	0.6936	0.6183	0.5754
lrs	0.8212	0.0320	0.8120	0.7249	0.1479
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1791
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6800	0.1339
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.7985	0.0984	0.8004	0.5960	0.2170
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.0587
madelon	0.7846	0.2154	0.7846	0.5692	0.6923
magic04	0.8148	0.1852	0.8148	0.5979	0.6559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4845	0.7281
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7822	0.1452	0.7822	0.6652	0.3873
messidor	0.5565	0.4435	0.5565	0.0998	0.9628
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9000	0.0200	0.9000	0.8889	0.1174
mfeat-fou	0.7250	0.0550	0.7250	0.6944	0.2455
mfeat-kar	0.8400	0.0320	0.8400	0.8222	0.1836
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2061
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0994
mfeat-zer	0.7200	0.0560	0.7200	0.6889	0.2275
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4481	0.4326
mobile	0.7273	0.0097	0.7273	0.7223	0.1224
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9464	0.0536	0.9464	0.8923	0.2137
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8649	0.2124
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7238
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.5035	0.7446
MUT_ci300400a	0.8133	0.1867	0.8133	0.6163	0.6427
MUT_ci300400a_cdk_ECFP2	0.8022	0.1978	0.8022	0.5937	0.6666
myocardial	0.8353	0.0412	0.8353	0.4152	0.4504
naticusdroid	0.9676	0.0324	0.9676	0.9352	0.1926
nci9	0.3333	0.1481	0.3333	0.2727	0.1065
ncRNA10%	0.9183	0.0086	0.9183	0.7888	0.8735
newspop	0.5898	0.4102	0.5898	0.1768	0.9374
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9579	0.0421	0.9579	0.8967	0.2627
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0593	0.7560
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9740	0.0932
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0322
oh0-wc	0.8713	0.0257	0.8713	0.8529	0.1384
oh10-wc	0.7619	0.0476	0.7619	0.7306	0.2271
oh15-wc	0.7717	0.0457	0.7717	0.7396	0.2285
oh5-wc	0.7582	0.0484	0.7582	0.7279	0.2367
opn310k	0.8971	0.1029	0.8971	0.3187	0.6668
opnat310k-hg16-17	0.9031	0.0969	0.9031	0.3631	0.6510
optdigits	0.9021	0.0196	0.9021	0.8912	0.1406
optdigitsZ	0.9875	0.0125	0.9875	0.9252	0.2295
orl	0.7750	0.0112	0.7750	0.7692	0.0388
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9368	0.0632	0.9368	0.1674	0.6065
ozone8hr	0.8933	0.1067	0.8933	0.2499	0.6744
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9708	0.0117	0.9708	0.8367	0.2237

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.9290	0.0710	0.9290	0.8244	0.3840
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.4832	0.6150
pcmac	0.4536	0.5464	0.4536	-0.0781	0.9970
pd	0.8421	0.1579	0.8421	0.5472	0.6265
pediatric-leukemia	0.6176	0.1092	0.6176	0.5278	0.2688
pendigits	0.9682	0.0064	0.9682	0.9646	0.0542
period	0.3333	0.6667	0.3333	-0.1250	0.8750
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8351	0.1649	0.8351	0.6353	0.6189
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8906
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6657	0.5983
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9796	0.0204	0.9796	0.9574	0.1428
phoneme	0.9000	0.1000	0.9000	0.7566	0.4811
phy	0.6476	0.3524	0.6476	0.2952	0.8827
pima	0.7237	0.2763	0.7237	0.4316	0.7900
plx	0.8333	0.1667	0.8333	0.5574	0.6304
poker	0.6242	0.0752	0.6242	0.3417	0.6864
polish-1st	0.9801	0.0199	0.9801	0.7304	0.4214
polish-2nd	0.9449	0.0551	0.9449	0.3351	0.6089
polish-3rd	0.9381	0.0619	0.9381	0.3239	0.6228
polish-4th	0.9561	0.0439	0.9561	0.5823	0.5485
polish-5th	0.9340	0.0660	0.9340	0.4831	0.5957
polya	0.7665	0.2335	0.7665	0.4684	0.7308
popularity	0.5690	0.2873	0.5690	0.1396	0.7305
post-operative	0.4553	0.3738	0.4304	-0.1396	0.4954
postures	0.9745	0.0102	0.9745	0.9681	0.0650
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8819
primary-tumor	0.2350	0.0549	0.2440	0.1626	0.3231
profb	0.6269	0.3731	0.6269	0.2177	0.8722
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9847	0.0061	0.9847	0.9795	0.0464
pufs-6410%	0.5000	0.5000	0.5000	-0.0001	0.9999
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.8267	0.0267	0.8267	0.7755	0.2276
re1-wc	0.8012	0.0159	0.8012	0.7738	0.1523
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9834	0.0182
rocket	0.6357	0.3643	0.6357	0.2512	0.8956
RT_IOT2022	0.9991	0.0001	0.9991	0.9978	0.0018
satimage	0.8756	0.0415	0.8756	0.8467	0.1918
satimageF	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT	0.9114	0.0886	0.9114	0.5220	0.6114
scadi	0.7118	0.0840	0.6995	0.6218	0.1238
schiller	0.6667	0.3333	0.6667	-0.1739	0.9159
schizo	0.5000	0.5000	0.5000	0.0000	0.9994
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9995	0.0005	0.9995	0.9990	0.0057
segment	0.9307	0.0198	0.9307	0.9190	0.0851
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9031	0.0969	0.9031	0.1425	0.6780
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8000	0.2000	0.8000	0.0941	0.7748
sens-2-gram	0.7895	0.2105	0.7895	0.0942	0.7701
sens-3-gram	0.7895	0.2105	0.7895	0.0788	0.7739
sens-4-gram	0.8342	0.1658	0.8342	0.1523	0.7542
sensorless	0.9844	0.0028	0.9844	0.9829	0.0260
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8670	0.1330	0.8670	0.4669	0.6617
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8665	0.2333
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9988	0.0083
smk_can_187	0.5263	0.4737	0.5263	0.0757	0.9099
solar-flare	0.6763	0.1079	0.6763	0.5839	0.2667
sonar	0.7500	0.2500	0.7500	0.5000	0.7429
soybean	0.9559	0.0046	0.9559	0.9516	0.0280
spambase	0.9304	0.0696	0.9304	0.8545	0.3455
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.4051	0.0168	0.4025	0.3906	0.1566
splice-EI	0.9495	0.0505	0.9495	0.8662	0.3155
splice-IE	0.8991	0.1009	0.8991	0.7180	0.5039
sport-articles	0.7900	0.2100	0.7900	0.5470	0.6985
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8000	0.2000	0.8000	0.4135	0.7393
steel-d	0.9795	0.0205	0.9795	0.7039	0.4990
steel_industry	0.9124	0.0584	0.9124	0.8575	0.2107
steel-k	0.9795	0.0205	0.9795	0.9382	0.2014
steel-o	0.7590	0.2410	0.7590	0.4818	0.7477
steel-p	0.9179	0.0821	0.9179	0.4553	0.6225
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9641	0.0359	0.9641	0.8173	0.4208
studentap	0.3846	0.4103	0.3846	0.0189	0.7429
student-weekend	0.3692	0.2523	0.3692	0.1706	0.6656
student-workday	0.6094	0.1562	0.6094	0.0820	0.6143
susy10%	0.7176	0.2824	0.7176	0.4312	0.7989
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0092
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.7333	0.1778	0.7333	0.6000	0.3518
Tdp_desc	0.6944	0.3056	0.6944	0.2774	0.7708
texture	0.9127	0.0159	0.9127	0.9038	0.1122
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.1607	0.7805
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6885	0.5305
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.5882	0.2059	0.5882	0.4516	0.3120
toxicity	0.6471	0.3529	0.6471	0.2273	0.8920
toxicity-13f	0.9412	0.0588	0.9412	0.8661	0.1967
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.0638	0.9119
trec11-wc	0.7805	0.0488	0.7805	0.7355	0.2076
trec12-wc	0.7419	0.0645	0.7419	0.6900	0.2207

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7576	0.0808	0.7576	0.5448	0.3040
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9355	0.0184	0.9355	0.9144	0.1043
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0724
trec45-wc	0.8696	0.0261	0.8696	0.8475	0.1112
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.7750	0.1125	0.7750	0.7000	0.3014
tvnews	0.9346	0.0654	0.9346	0.8573	0.3191
urban	0.8209	0.0398	0.8209	0.7906	0.1686
vehicle	0.7381	0.1310	0.7381	0.6465	0.2448
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.4545	0.0992	0.4545	0.4000	0.3090
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.8940	0.1060	0.8940	0.2734	0.6754
wap-wc	0.6987	0.0301	0.6987	0.6624	0.2453
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.7619	0.0476	0.7619	0.7348	0.1060
watch-acc10%	0.9983	0.0005	0.9983	0.9980	0.0051
watch-gyr10%	0.9989	0.0003	0.9989	0.9988	0.0033
waveform	0.7500	0.1667	0.7500	0.6248	0.4921
web-phishing	0.8519	0.0988	0.8519	0.7406	0.4118
weight-lift	0.9878	0.0049	0.9878	0.9845	0.0357
white-clover	0.3197	0.3198	0.3320	-0.2028	0.3669
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.6604	0.1132	0.6604	0.4698	0.5883
winequality-white	0.6155	0.1098	0.6155	0.4313	0.5202
winnipeg	0.9910	0.0026	0.9910	0.9887	0.0326
yale	0.6250	0.0500	0.6250	0.6000	0.0887
yeast	0.5068	0.0986	0.5068	0.3689	0.4992
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9392	0.0608	0.9392	0.2808	0.5314
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9595	0.0405	0.9595	0.4795	0.5174
zip	0.9011	0.0198	0.9011	0.8891	0.1471
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 17: Detailed results for AdaUBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1168	0.0755	0.1285	0.0583	0.6366
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9759	0.0241	0.9759	0.3182	0.5736
ads	0.9787	0.0213	0.9787	0.9107	0.2129
adult	0.8208	0.1792	0.8208	0.5162	0.6910
AID1284Morered	0.7778	0.2222	0.7778	0.2044	0.7424
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8571	0.1429	0.8571	0.1036	0.7105
AID1608Morered	0.8835	0.1165	0.8835	0.0804	0.6801
AID1608red	0.8738	0.1262	0.8738	-0.0669	0.6366
AID_1878	0.7429	0.2571	0.7429	0.0334	0.8418
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9987	0.0013	0.9987	0.1994	0.5258
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6967	0.2955	0.7105	0.3532	0.7905
AID_602330	0.9115	0.0885	0.9115	-0.0462	0.6061
AID604	0.9992	0.0008	0.9992	0.8885	0.3001
AID604AID644_AllRed	0.9987	0.0013	0.9987	-0.0005	0.5055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.2112	0.3417
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9946	0.0054	0.9946	-0.0027	0.5342
AID688red	0.9882	0.0118	0.9882	-0.0040	0.5155
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9983	0.0017	0.9983	-0.0008	0.5343
AID746red	0.9890	0.0110	0.9890	0.1260	0.5376
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8828	0.1083	0.8803	0.6798	0.4930
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9694	0.0153	0.9694	0.9418	0.0946
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9555	0.0111	0.9555	0.9269	0.1785
anuran-species	0.9736	0.0053	0.9736	0.9632	0.0424
aps-failure	0.9891	0.0109	0.9891	0.6715	0.4078
arcene	0.8000	0.2000	0.8000	0.5652	0.6314
arrhythmia	0.7111	0.0444	0.7111	0.5578	0.2578
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8675	0.0116	0.8690	0.8430	0.0133
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9942	0.0010	0.9942	0.9925	0.0372
balance	0.7742	0.1505	0.7742	0.6040	0.4630
bank	0.8915	0.1085	0.8915	0.4597	0.6482
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8318	0.1682	0.8318	0.6352	0.6193
basehock	0.9497	0.0503	0.9497	0.8995	0.2604
bio	0.9948	0.0052	0.9948	0.7138	0.4305
biodeg	0.8571	0.1429	0.8571	0.7070	0.5380
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	0.9756	0.0000	0.9975	0.3551	0.3333
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.1250	0.8994
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.2727	0.7273	0.2727	-0.4667	1.0000
breast-tissue	0.6364	0.1212	0.6364	0.5644	0.1810
bridges	0.7102	0.0972	0.6932	0.6021	0.1697
bub10at310k-hg16-17	0.8988	0.1012	0.8988	0.2550	0.6592
bze_3d_rdkit_descriptors	0.8049	0.1951	0.8049	0.4306	0.7322
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9828	0.0086	0.9828	0.9627	0.0483
card	0.8406	0.1594	0.8406	0.6774	0.5801
cardiotocography	0.8826	0.0235	0.8826	0.8600	0.1577
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8295	0.2524
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5536	0.5242
cas_N6512_cdk_ECFP2	0.7573	0.2427	0.7573	0.5123	0.7393
cdc_diabetes	0.8139	0.1241	0.8139	0.1768	0.6073
census10%	0.9245	0.0755	0.9245	0.3523	0.6347
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9419	0.0581	0.9419	0.5147	0.5542
cervical-C	0.9186	0.0814	0.9186	0.1798	0.6596
cervical-H	0.9302	0.0698	0.9302	0.4669	0.5720
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8300	0.2896
ci100410h_MACCS	0.7500	0.2500	0.7500	0.2686	0.8079
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7692	0.4727
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6313	0.5951
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.7970	0.3704
ci900367j_MACCS	0.7368	0.2632	0.7368	0.4379	0.7824
cirrhosis	0.6667	0.2222	0.6667	0.3553	0.5242
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7907	0.1046	0.7907	0.6771	0.4554
climate	0.8519	0.1481	0.8519	0.2603	0.6164
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8200	0.1800	0.8200	-0.0976	0.7500
cmc	0.5170	0.3220	0.5170	0.2525	0.7318
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1243
codon_usage	0.8127	0.0340	0.8127	0.7739	0.3287
coil20	0.9167	0.0083	0.9167	0.9123	0.0568
collins	0.9800	0.0027	0.9800	0.9780	0.0058
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.6552	0.3448	0.6552	0.3160	0.8298
colposcopies-3	0.7586	0.2414	0.7586	0.4835	0.7133
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.0333	0.8275
colposcopies-6	0.6552	0.3448	0.6552	0.3095	0.8747
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8065	0.1935	0.8065	0.5571	0.6825
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9797	0.0135	0.9797	0.5772	0.4899
cottonmeloidogyne	0.7572	0.2428	0.7572	0.5149	0.7295
coupon	0.7405	0.2595	0.7405	0.4687	0.7684
covtype	0.9415	0.0167	0.9415	0.9061	0.1670
covtypeCD	0.9841	0.0159	0.9841	0.9332	0.1967
covtypeT	0.9795	0.0205	0.9795	0.8408	0.3106
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3629	0.7528
crowdsourced	0.8949	0.0350	0.8949	0.7839	0.3627
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4062	0.0297	0.4062	0.3889	0.0991
cyclopentane	0.5926	0.4074	0.5926	0.1391	0.9072
cylinder-bands	0.6296	0.3704	0.6296	0.2426	0.9032
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7443	0.2557	0.7443	0.2705	0.8088
deposit	0.8752	0.1248	0.8752	0.3903	0.6799
dermatology	0.9189	0.0270	0.9189	0.8991	0.0971
desharnais	0.5000	0.3333	0.5000	0.2558	0.4793
dexter	0.8333	0.1667	0.8333	0.6667	0.5921
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.4865	0.7232
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4479	0.3680	0.4479	0.0416	0.8105
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.7083	0.2917	0.7083	0.3913	0.8147
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5248	0.4752	0.5248	0.0468	0.9851
dropout	0.6727	0.2182	0.6727	0.4750	0.6130
drug-01	0.2553	0.2128	0.2553	0.0127	0.9043
drug-02	0.3883	0.1748	0.3883	0.1017	0.8096
drug-03	0.5691	0.1231	0.5691	0.1687	0.6985
drug-04	0.4521	0.1565	0.4521	0.2013	0.7917
drug-05	0.5266	0.1353	0.5266	-0.0700	0.7287
drug-06	0.2979	0.2006	0.2979	0.1518	0.7505
drug-07	0.3404	0.1885	0.3404	0.0025	0.8141
drug-08	0.4574	0.1550	0.4574	0.1588	0.8316
drug-09	0.7225	0.0918	0.7071	0.0429	0.5497
drug-10	0.4309	0.1626	0.4309	0.1491	0.8470
drug-11	0.7287	0.0775	0.7287	0.0575	0.8093
drug-12	0.6702	0.0942	0.6702	0.0370	0.7731
drug-13	0.4521	0.1565	0.4521	0.1099	0.8666
drug-14	0.4468	0.1581	0.4468	0.1561	0.7528
drug-15	0.6117	0.1109	0.6117	0.0713	0.8719
drug-16	0.4840	0.1474	0.4840	0.2470	0.6840
drug-17	0.2287	0.2204	0.2287	0.0380	0.8759
drug-18	0.9742	0.0092	0.9729	0.0025	0.1227
drug-19	0.6170	0.1094	0.6170	0.0893	0.7666
drybean	0.9096	0.0258	0.9096	0.8907	0.1437
ecoli	0.8415	0.0437	0.8578	0.7946	0.1325
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3804	0.0775	0.3804	0.3167	0.7405
eeg-eye	0.8418	0.1582	0.8418	0.6801	0.5814
EPA_FHM	0.9344	0.0656	0.9344	0.4649	0.6023
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.1772	0.9219
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.6935	0.4996
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.8138	0.4205
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5333	0.7088
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6273	0.5768
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	0.2439	0.6242
eucalyptus	0.6301	0.1479	0.6301	0.5246	0.4230
euthyroid	0.9494	0.0506	0.9494	0.6964	0.4404
exon.vs.intron-freq	0.9666	0.0334	0.9666	0.9331	0.1974
fbis-wc	0.6870	0.0368	0.6870	0.6477	0.2899
fda.atompair_fp	0.5000	0.5000	0.5000	-0.3297	0.9642
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5500	0.1125	0.5500	0.4578	0.2920
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5268	0.0185	0.5223	0.5169	0.6394
forest	0.8654	0.0673	0.8654	0.8137	0.1815
gas	0.9856	0.0048	0.9856	0.9826	0.0344
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.4905	0.3396	0.4905	0.0394	0.7665
gene	0.8833	0.0778	0.8833	0.8125	0.3020
german	0.6700	0.3300	0.6700	0.2180	0.8700
gina	0.9078	0.0922	0.9078	0.8155	0.4093
glass	0.7143	0.0952	0.7143	0.6000	0.2319
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.7143	0.2857	0.7143	0.4375	0.7044
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	0.7500	0.2500	0.7500	0.5000	0.5283
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.8214	0.1786	0.8214	0.6341	0.6286
green	0.5000	0.5000	0.5000	-0.3158	0.9932
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1964	0.5270
haberman	0.7333	0.2667	0.7333	0.3182	0.8145
hapt	0.9213	0.0131	0.9213	0.9070	0.0972
har70	0.9036	0.0275	0.9036	0.8589	0.3460
harth10%	0.8423	0.0263	0.8423	0.7865	0.3014
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7037	0.2963	0.7037	0.3864	0.8222
heart-c	0.8333	0.1667	0.8333	0.6637	0.5926
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8141	0.1859	0.8141	0.6282	0.6370
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.3478	0.8010
higgs10%	0.6477	0.3523	0.6477	0.2929	0.8830
higher	0.2143	0.1964	0.2143	0.0778	0.4010
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8347	0.1653	0.8347	0.4913	0.6734
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6389	0.2407	0.6389	0.3352	0.5474
htru2	0.9637	0.0363	0.9637	0.7763	0.3814
ht-sensor	0.9997	0.0002	0.9997	0.9995	0.0020
hypothyroid	0.9957	0.0094	0.9876	0.9633	0.0549
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6949	0.3051	0.6949	0.2815	0.8409
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8010	0.0153	0.8010	0.7931	0.1781
jm1	0.7906	0.2094	0.7906	0.2333	0.7788
fvowels	0.8805	0.0266	0.8805	0.8647	0.1803
kc1	0.8436	0.1564	0.8436	0.2726	0.6972
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.3604	0.0509	0.3505	0.1527	0.1343
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3082	0.7873
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.8481	0.0169	0.8481	0.8305	0.2011
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7651	0.0783	0.7651	0.7051	0.3954
la2s-wc	0.7550	0.0817	0.7550	0.6925	0.3836
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5393	0.0727
led24	0.6500	0.0700	0.6500	0.6056	0.1534
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8890	0.0085	0.8890	0.8845	0.1295
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8212	0.0581
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0368
liver	0.6765	0.3235	0.6765	0.3392	0.7960
localization	0.6866	0.0570	0.6866	0.6097	0.5846
lrs	0.8272	0.0289	0.8415	0.7654	0.1248
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.8190	0.1639
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.7073	0.1864
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6842	0.5000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6981	0.0461
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.7885	0.0966	0.7946	0.6046	0.2658
lymphoma2	0.7778	0.0494	0.7778	0.7188	0.0294
madelon	0.7808	0.2192	0.7808	0.5615	0.6988
magic04	0.8233	0.1767	0.8233	0.6122	0.6402

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7500	0.2500	0.7500	0.5058	0.7021
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8911	0.0726	0.8911	0.8357	0.2523
messidor	0.5739	0.4261	0.5739	0.1270	0.9527
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.8950	0.0210	0.8950	0.8833	0.1197
mfeat-fou	0.7300	0.0540	0.7300	0.7000	0.2389
mfeat-kar	0.8400	0.0320	0.8400	0.8222	0.1781
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2018
mfeat-pix	0.9100	0.0180	0.9100	0.9000	0.1055
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2427
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3738	0.4712
mobile	0.7028	0.0106	0.7028	0.6974	0.1343
monks-1	0.9455	0.0545	0.9455	0.8908	0.2776
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9464	0.0536	0.9464	0.8923	0.2137
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9606	0.0394	0.9606	0.8403	0.2604
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8319
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.5035	0.7446
MUT_ci300400a	0.7970	0.2030	0.7970	0.5846	0.6751
MUT_ci300400a_cdk_ECFP2	0.7842	0.2158	0.7842	0.5587	0.6981
myocardial	0.8353	0.0412	0.8353	0.3535	0.5877
naticusdroid	0.9710	0.0290	0.9710	0.9420	0.1765
nci9	0.1667	0.1852	0.1667	0.0323	0.1824
ncRNA10%	0.9398	0.0063	0.9398	0.8376	0.4583
newspop	0.5878	0.4122	0.5878	0.1736	0.9386
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9614	0.0386	0.9614	0.9055	0.2500
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0581	0.8316
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9822	0.0726
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8515	0.0297	0.8515	0.8307	0.1577
oh10-wc	0.7048	0.0590	0.7048	0.6652	0.2957
oh15-wc	0.8152	0.0370	0.8152	0.7896	0.1930
oh5-wc	0.7473	0.0505	0.7473	0.7166	0.2418
opn310k	0.8705	0.1295	0.8705	0.2252	0.7000
opnat310k-hg16-17	0.8738	0.1262	0.8738	0.2325	0.6991
optdigits	0.9128	0.0174	0.9128	0.9030	0.1253
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7250	0.0138	0.7250	0.7179	0.0478
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9486	0.0514	0.9486	0.1079	0.6251
ozone8hr	0.9170	0.0830	0.9170	0.2363	0.6272
p53-mutants10%	0.9873	0.0127	0.9873	-0.0048	0.3262
page-blocks	0.9762	0.0095	0.9762	0.8626	0.2919

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8932	0.1068	0.8932	0.7498	0.4933
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.4612	0.6104
pcmac	0.4742	0.5258	0.4742	-0.0697	1.0000
pd	0.8947	0.1053	0.8947	0.7091	0.4943
pediatric-leukemia	0.7647	0.0672	0.7647	0.7119	0.1962
pendigits	0.9663	0.0067	0.9663	0.9626	0.0529
period	0.7778	0.2222	0.7778	0.4000	0.4011
period-10f	0.3333	0.6667	0.3333	-0.2857	0.9644
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5836	0.6609
P-Glycoprotein_b_Substrate	0.7600	0.2400	0.7600	0.5200	0.7341
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7857	0.2143	0.7857	0.5701	0.6911
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9878	0.0122	0.9878	0.9744	0.0960
phoneme	0.9037	0.0963	0.9037	0.7638	0.4681
phy	0.6452	0.3548	0.6452	0.2903	0.8852
pima	0.6842	0.3158	0.6842	0.3314	0.8496
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.6577	0.0685	0.6577	0.3972	0.7660
polish-1st	0.9701	0.0299	0.9701	0.5561	0.4911
polish-2nd	0.9577	0.0423	0.9577	0.3178	0.5667
polish-3rd	0.9400	0.0600	0.9400	0.3568	0.6171
polish-4th	0.9459	0.0541	0.9459	0.5186	0.5858
polish-5th	0.9560	0.0440	0.9560	0.6345	0.4734
polya	0.7330	0.2670	0.7330	0.3848	0.7817
popularity	0.5541	0.2973	0.5541	0.1190	0.7462
post-operative	0.7880	0.1386	0.7763	0.3856	0.2080
postures	0.9727	0.0109	0.9727	0.9659	0.0683
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8981
primary-tumor	0.1998	0.0864	0.2248	0.1456	0.3141
profb	0.5373	0.4627	0.5373	0.0503	0.9217
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9824	0.0071	0.9824	0.9763	0.0514
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9992
raisin	0.8333	0.1667	0.8333	0.6667	0.5969
re0-wc	0.8200	0.0277	0.8200	0.7642	0.2415
re1-wc	0.7892	0.0169	0.7892	0.7621	0.2122
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9669	0.0493
rocket	0.6299	0.3701	0.6299	0.2384	0.9016
RT_IOT2022	0.9991	0.0001	0.9991	0.9978	0.0081
satimage	0.8647	0.0451	0.8647	0.8335	0.2090
satimageF	0.9844	0.0156	0.9844	0.9218	0.2346
satimageT	0.9285	0.0715	0.9285	0.5953	0.5501
scadi	0.5727	0.1192	0.5600	0.4424	0.1740
schiller	0.5556	0.4444	0.5556	-0.2857	0.9011
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.8974	0.1026	0.8974	-0.0505	0.6958
secondary_mushroom	0.9992	0.0008	0.9992	0.9983	0.0091
segment	0.9221	0.0223	0.9221	0.9088	0.0905
segmentO	0.9913	0.0087	0.9913	0.9655	0.1114

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9070	0.0930	0.9070	0.1515	0.6757
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.7921	0.2079	0.7921	0.0980	0.7706
sens-2-gram	0.7868	0.2132	0.7868	0.0751	0.7733
sens-3-gram	0.7737	0.2263	0.7737	0.1772	0.7327
sens-4-gram	0.7816	0.2184	0.7816	0.0361	0.7794
sensorless	0.9843	0.0029	0.9843	0.9827	0.0265
sepsis	0.5452	0.4548	0.5452	0.0906	0.4258
shoppers	0.8508	0.1492	0.8508	0.4300	0.6935
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.8286	0.3339
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9988	0.0098
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.6475	0.1175	0.6475	0.5640	0.2971
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9370	0.0630	0.9370	0.8680	0.3216
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.6543	0.0030	0.6350	0.6322	0.0957
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.8896	0.1104	0.8896	0.6842	0.5227
sport-articles	0.7300	0.2700	0.7300	0.4366	0.7811
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8154	0.1846	0.8154	0.4441	0.7196
steel-d	0.9692	0.0308	0.9692	0.4841	0.5554
steel_industry	0.9152	0.0565	0.9152	0.8619	0.2047
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7590	0.2410	0.7590	0.4852	0.7442
steel-p	0.8974	0.1026	0.8974	0.3191	0.6686
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.3846	0.4103	0.3846	0.0370	0.7142
student-weekend	0.2923	0.2831	0.2923	0.0749	0.8100
student-workday	0.6406	0.1437	0.6406	0.1712	0.5911
susy10%	0.7188	0.2812	0.7188	0.4333	0.7973
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.7333	0.1778	0.7333	0.6000	0.4205
Tdp_desc	0.8333	0.1667	0.8333	0.5574	0.6583
texture	0.9073	0.0169	0.9073	0.8977	0.1188
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.3757	0.7025
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8564	0.1436	0.8564	0.6130	0.6131
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.4118	0.2941	0.4118	0.2202	0.4978
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	-0.1119	0.9097
trec11-wc	0.7805	0.0488	0.7805	0.7293	0.2125
trec12-wc	0.8065	0.0484	0.8065	0.7707	0.1453

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.7184	0.3516
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9140	0.0246	0.9140	0.8869	0.1244
trec41-wc	0.8977	0.0205	0.8977	0.8750	0.1179
trec45-wc	0.9130	0.0174	0.9130	0.8982	0.0802
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.7750	0.1125	0.7750	0.7000	0.3050
tvnews	0.9349	0.0651	0.9349	0.8578	0.3163
urban	0.8209	0.0398	0.8209	0.7902	0.1656
vehicle	0.7143	0.1429	0.7143	0.6160	0.2454
vehicleVAN	0.9881	0.0119	0.9881	0.9677	0.0550
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.4444	0.1010	0.4444	0.3889	0.3237
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.8852	0.1148	0.8852	0.2967	0.6842
wap-wc	0.6731	0.0327	0.6731	0.6326	0.2776
warpar10p	0.7692	0.0462	0.7692	0.7417	0.0682
warppiel10p	0.8095	0.0381	0.8095	0.7879	0.0863
watch-acc10%	0.9980	0.0006	0.9980	0.9977	0.0058
watch-gyr10%	0.9989	0.0003	0.9989	0.9987	0.0036
waveform	0.7420	0.1720	0.7420	0.6129	0.5068
web-phishing	0.8741	0.0840	0.8741	0.7799	0.3890
weight-lift	0.9944	0.0022	0.9944	0.9929	0.0176
white-clover	0.4956	0.2601	0.4970	0.0003	0.3474
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9834	0.0166	0.9834	0.8313	0.3592
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.6415	0.1195	0.6415	0.4480	0.6103
winequality-white	0.6033	0.1134	0.6033	0.4068	0.5867
winnipeg	0.9979	0.0006	0.9979	0.9974	0.0115
yale	0.5625	0.0583	0.5625	0.5333	0.0877
yeast	0.4459	0.1108	0.4459	0.2910	0.5048
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9527	0.0473	0.9527	0.1981	0.5887
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8828	0.0234	0.8828	0.8688	0.1766
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 18: Detailed results for AsymBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1230	0.0762	0.1363	0.0386	0.6342
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9041	0.0959	0.9041	0.3159	0.6071
accelerometer	0.9728	0.0272	0.9728	0.3012	0.5732
ads	0.9756	0.0244	0.9756	0.8989	0.2473
adult	0.8139	0.1861	0.8139	0.5121	0.6953
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.6944	0.3056	0.6944	-0.1786	0.7728
AID_1431	0.8254	0.1746	0.8254	-0.0124	0.6978
AID1608Morered	0.8738	0.1262	0.8738	0.0656	0.6699
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7143	0.2857	0.7143	0.2001	0.7743
AID362red	0.9790	0.0210	0.9790	0.1713	0.5745
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9980	0.0020	0.9980	-0.0010	0.5055
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6950	0.2949	0.7019	0.3486	0.7902
AID_602330	0.8854	0.1146	0.8854	-0.0560	0.5365
AID604	0.9994	0.0006	0.9994	0.9140	0.2373
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.3327	0.5322
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8889	0.0741	0.8889	0.1439	0.1376
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9886	0.0114	0.9886	-0.0036	0.4944
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9898	0.0102	0.9898	0.2228	0.5434
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8871	0.1061	0.9007	0.6678	0.4934
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9513	0.0243	0.9513	0.9074	0.2342
anuran-f-b	0.9958	0.0042	0.9958	0.7980	0.4644
anuran-genus	0.9346	0.0163	0.9346	0.8914	0.1863
anuran-species	0.9486	0.0103	0.9486	0.9287	0.1335
aps-failure	0.9896	0.0104	0.9896	0.7032	0.4208
arcene	0.6500	0.3500	0.6500	0.2553	0.8874
arrhythmia	0.7556	0.0376	0.7556	0.6395	0.2179
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8360	0.0082	0.8336	0.8018	0.0489
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	1.0000	0.0000	1.0000	1.0000	0.0000
avila	0.9760	0.0040	0.9760	0.9689	0.0835
balance	0.7742	0.1505	0.7742	0.6128	0.4382
bank	0.8871	0.1129	0.8871	0.4421	0.6574
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6734	0.5617
basehock	0.9598	0.0402	0.9598	0.9196	0.2182
bio	0.9962	0.0038	0.9962	0.7807	0.3329
biodeg	0.8286	0.1714	0.8286	0.6294	0.6130
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9963	0.0146	0.9960	0.4305	0.3255
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5000	0.5000	0.5000	-0.1395	0.9404
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.4545	0.5455	0.4545	-0.0645	0.9927
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9011	0.0384	0.9016	0.8503	0.0946
bub10at310k-hg16-17	0.9092	0.0908	0.9092	0.3682	0.6287
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9828	0.0086	0.9828	0.9627	0.0483
card	0.8261	0.1739	0.8261	0.6465	0.6157
cardiotocography	0.8451	0.0310	0.8451	0.8140	0.1864
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8698	0.1754
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.2610
cas_N6512_cdk_ECFP2	0.7588	0.2412	0.7588	0.5162	0.7357
cdc_diabetes	0.8130	0.1247	0.8130	0.1982	0.6000
census10%	0.9235	0.0765	0.9235	0.3453	0.6363
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9535	0.0465	0.9535	0.6895	0.5225
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8241	0.3332
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2174	0.8234
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8057	0.4241
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6029	0.6519
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3600	0.8260
cirrhosis	0.6429	0.2381	0.6429	0.3255	0.6943
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7991	0.1005	0.7991	0.6883	0.4540
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8400	0.1600	0.8400	-0.0811	0.7590
cmc	0.5102	0.3265	0.5102	0.2290	0.7405
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1243
codon_usage	0.8365	0.0297	0.8365	0.8014	0.2929
coil20	0.9167	0.0083	0.9167	0.9123	0.0538
collins	0.9800	0.0027	0.9800	0.9780	0.0058
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2714	0.8634
colposcopies-2	0.6207	0.3793	0.6207	0.1493	0.9180
colposcopies-3	0.5172	0.4828	0.5172	0.0287	0.9760
colposcopies-4	0.6552	0.3448	0.6552	0.1369	0.8899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	-0.1810	0.8560
colposcopies-6	0.7241	0.2759	0.7241	0.4502	0.7761
colposcopies-c	0.7241	0.2759	0.7241	0.2468	0.8309
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9782	0.0145	0.9782	0.5694	0.5117
cottonmeloidogyne	0.7452	0.2548	0.7452	0.4905	0.7564
coupon	0.7468	0.2532	0.7468	0.4802	0.7581
covtype	0.9459	0.0155	0.9459	0.9131	0.1578
covtypeCD	0.9836	0.0164	0.9836	0.9306	0.1906
covtypeT	0.9831	0.0169	0.9831	0.8699	0.2782
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.3511	0.7516
crowdsourced	0.8968	0.0344	0.8968	0.7899	0.3652
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4375	0.0281	0.4375	0.4223	0.0895
cyclopentane	0.6296	0.3704	0.6296	0.2241	0.8800
cylinder-bands	0.7778	0.2222	0.7778	0.5604	0.6642
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8010	0.1990	0.8010	0.3331	0.7295
deposit	0.8797	0.1203	0.8797	0.4129	0.6707
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1351	0.6307
dexter	0.8333	0.1667	0.8333	0.6667	0.5921
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6357	0.6086
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.4941	0.3373	0.4941	0.1002	0.7711
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0286	0.9973
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5200	0.4800	0.5200	0.0380	0.9878
dropout	0.7133	0.1911	0.7133	0.5365	0.5601
drug-01	0.2553	0.2128	0.2553	-0.0262	0.9066
drug-02	0.3351	0.1900	0.3351	0.0503	0.8534
drug-03	0.5213	0.1368	0.5213	0.0165	0.6590
drug-04	0.2766	0.2067	0.2766	-0.0186	0.8867
drug-05	0.5426	0.1307	0.5426	-0.0097	0.8743
drug-06	0.2979	0.2006	0.2979	0.1568	0.7488
drug-07	0.3298	0.1915	0.3298	-0.0232	0.6633
drug-08	0.3883	0.1748	0.3883	0.0746	0.8642
drug-09	0.7563	0.0844	0.7468	0.0522	0.4716
drug-10	0.4149	0.1672	0.4149	0.1263	0.8286
drug-11	0.7447	0.0729	0.7447	0.0227	0.6308
drug-12	0.6223	0.1079	0.6223	0.0545	0.7385
drug-13	0.5000	0.1429	0.5000	0.1473	0.8518
drug-14	0.5266	0.1353	0.5266	0.2274	0.7268
drug-15	0.6436	0.1018	0.6436	0.1606	0.8333
drug-16	0.4681	0.1520	0.4681	0.1690	0.7403
drug-17	0.2766	0.2067	0.2766	0.0958	0.8233
drug-18	0.9983	0.0000	0.9877	-0.0047	0.0153
drug-19	0.6011	0.1140	0.6011	0.0539	0.5383
drybean	0.8927	0.0307	0.8927	0.8704	0.1621
ecoli	0.8154	0.0323	0.8212	0.7548	0.1319
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6043	0.6300
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3845	0.0769	0.3845	0.3200	0.7278
eeg-eye	0.8471	0.1529	0.8471	0.6904	0.5686
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.1558	0.9238
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7004	0.5303
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.5558	0.6769
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6027	0.1589	0.6027	0.4911	0.4100
euthyroid	0.9620	0.0380	0.9620	0.7790	0.3765
exon.vs.intron-freq	0.9664	0.0336	0.9664	0.9326	0.1986
fbis-wc	0.7520	0.0292	0.7520	0.7193	0.2341
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.5031	0.2175
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5296	0.0189	0.5125	0.5247	0.6377
forest	0.8654	0.0673	0.8654	0.8145	0.1876
gas	0.9763	0.0079	0.9763	0.9712	0.0540
gastrointestinal	0.5625	0.2917	0.5625	0.3043	0.5880
gender	0.5242	0.3172	0.5242	0.1144	0.7382
gene	0.9054	0.0631	0.9054	0.8477	0.2686
german	0.6300	0.3700	0.6300	0.1475	0.9167
gina	0.8847	0.1153	0.8847	0.7694	0.4745
glass	0.6667	0.1111	0.6667	0.5435	0.2967
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7143	0.2857	0.7143	0.4000	0.7846
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8333	0.1667	0.8333	0.6571	0.6041
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1818	0.4932
haberman	0.5667	0.4333	0.5667	-0.1538	0.9464
hapt	0.9149	0.0142	0.9149	0.8994	0.0931
har70	0.9020	0.0280	0.9020	0.8567	0.3460
harth10%	0.8437	0.0260	0.8437	0.7885	0.3056
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.7407	0.2593	0.7407	0.4392	0.7429
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8123	0.1877	0.8123	0.6246	0.6405
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2708	0.8198
higgs10%	0.6464	0.3536	0.6464	0.2907	0.8841
higher	0.2857	0.1786	0.2857	0.1463	0.3600
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8853	0.1147	0.8853	0.5316	0.5508
hiva	0.9574	0.0426	0.9574	-0.0120	0.5357
horse	0.6667	0.2222	0.6667	0.3656	0.4294
htru2	0.9687	0.0313	0.9687	0.8141	0.3691
ht-sensor	0.9997	0.0002	0.9997	0.9995	0.0022
hypothyroid	0.9931	0.0000	0.9879	0.9388	0.0461
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.5932	0.4068	0.5932	-0.0276	0.9416
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8023	0.0152	0.8023	0.7944	0.1757
jm1	0.7971	0.2029	0.7971	0.2459	0.7661
fvowels	0.9147	0.0190	0.9147	0.9033	0.1360
kc1	0.8483	0.1517	0.8483	0.2838	0.6781
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.4241	0.0410	0.4308	0.1873	0.0517
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3824	0.7363
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.8585	0.0157	0.8585	0.8420	0.1931
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7873	0.0709	0.7873	0.7308	0.3441
la2s-wc	0.7550	0.0817	0.7550	0.6891	0.3600
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6594	0.0726
led24	0.5500	0.0900	0.5500	0.5041	0.1852
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8880	0.0086	0.8880	0.8835	0.1303
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8209	0.0671
linkage10%	0.9999	0.0001	0.9999	0.9857	0.0640
liver	0.5000	0.5000	0.5000	-0.0664	0.9551
localization	0.6930	0.0558	0.6930	0.6177	0.5763
lrs	0.8241	0.0392	0.8036	0.7304	0.1426
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1791
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0610
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.7815	0.1213	0.7930	0.5853	0.2224
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.0587
madelon	0.7769	0.2231	0.7769	0.5538	0.7057
magic04	0.8206	0.1794	0.8206	0.6111	0.6442

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5470	0.6625
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7751	0.3480
messidor	0.5304	0.4696	0.5304	0.0490	0.9791
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9050	0.0190	0.9050	0.8944	0.1170
mfeat-fou	0.7250	0.0550	0.7250	0.6944	0.2385
mfeat-kar	0.8450	0.0310	0.8450	0.8278	0.1748
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2187
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0993
mfeat-zer	0.7100	0.0580	0.7100	0.6778	0.2455
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3738	0.4712
mobile	0.7343	0.0095	0.7343	0.7294	0.1193
monks-1	0.9455	0.0545	0.9455	0.8908	0.2776
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9576	0.0424	0.9576	0.8280	0.2823
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9782
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7157
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4026	0.8148
MUT_ci300400a	0.8158	0.1842	0.8158	0.6215	0.6377
MUT_ci300400a_cdk_ECFP2	0.7986	0.2014	0.7986	0.5891	0.6710
myocardial	0.8353	0.0412	0.8353	0.4152	0.4361
naticusdroid	0.9707	0.0293	0.9707	0.9414	0.1778
nci9	0.3333	0.1481	0.3333	0.2727	0.1065
ncRNA10%	0.9408	0.0062	0.9408	0.8387	0.4066
newspop	0.5843	0.4157	0.5843	0.1655	0.9421
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9579	0.0421	0.9579	0.8963	0.2589
NPHA-doctor-visits	0.3889	0.4074	0.3889	-0.0239	0.8307
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9768	0.0885
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0322
oh0-wc	0.8713	0.0257	0.8713	0.8531	0.1386
oh10-wc	0.7714	0.0457	0.7714	0.7414	0.2091
oh15-wc	0.7609	0.0478	0.7609	0.7270	0.2352
oh5-wc	0.7692	0.0462	0.7692	0.7408	0.2264
opn310k	0.9101	0.0899	0.9101	0.3855	0.6272
opnat310k-hg16-17	0.9035	0.0884	0.9088	0.3736	0.6184
optdigits	0.9004	0.0199	0.9004	0.8892	0.1416
optdigitsZ	0.9840	0.0160	0.9840	0.9055	0.2781
orl	0.7750	0.0112	0.7750	0.7692	0.0371
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9368	0.0632	0.9368	0.1674	0.6065
ozone8hr	0.8933	0.1067	0.8933	0.2499	0.6744
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9066	0.1397

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8975	0.1025	0.8975	0.7451	0.4850
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4485	0.5515	0.4485	-0.0828	0.9956
pd	0.8553	0.1447	0.8553	0.5926	0.6007
pediatric-leukemia	0.6765	0.0924	0.6765	0.6004	0.2538
pendigits	0.9691	0.0062	0.9691	0.9656	0.0525
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5773	0.6574
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8338
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6494	0.6152
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.6500	0.3500	0.6500	0.2553	0.8874
phishing	0.9673	0.0327	0.9673	0.9317	0.2032
phoneme	0.9000	0.1000	0.9000	0.7566	0.4811
phy	0.6474	0.3526	0.6474	0.2947	0.8829
pima	0.7237	0.2763	0.7237	0.4251	0.7957
plx	0.8333	0.1667	0.8333	0.5574	0.6304
poker	0.6246	0.0751	0.6246	0.3425	0.6835
polish-1st	0.9801	0.0199	0.9801	0.7304	0.4214
polish-2nd	0.9489	0.0511	0.9489	0.3688	0.6045
polish-3rd	0.9333	0.0667	0.9333	0.3046	0.6262
polish-4th	0.9561	0.0439	0.9561	0.5823	0.5485
polish-5th	0.9357	0.0643	0.9357	0.4905	0.5892
polya	0.7589	0.2411	0.7589	0.4422	0.7326
popularity	0.5738	0.2842	0.5738	0.1487	0.7300
post-operative	0.4511	0.3731	0.4517	-0.3588	0.5169
postures	0.9741	0.0103	0.9741	0.9677	0.0658
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9127
primary-tumor	0.2427	0.0758	0.2289	0.1555	0.2819
profb	0.6269	0.3731	0.6269	0.2177	0.8722
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9849	0.0060	0.9849	0.9797	0.0462
pufs-6410%	0.5010	0.4990	0.5010	0.0019	0.9994
raisin	0.8667	0.1333	0.8667	0.7333	0.5209
re0-wc	0.8267	0.0267	0.8267	0.7733	0.2217
re1-wc	0.8253	0.0140	0.8253	0.8006	0.1500
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9834	0.0182
rocket	0.6401	0.3599	0.6401	0.2630	0.8894
RT_IOT2022	0.9991	0.0001	0.9991	0.9978	0.0017
satimage	0.8787	0.0404	0.8787	0.8505	0.1866
satimageF	0.9860	0.0140	0.9860	0.9292	0.2145
satimageT	0.9051	0.0949	0.9051	0.5082	0.6248
scadi	0.7208	0.0920	0.7014	0.6185	0.1372
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5588	0.4412	0.5588	0.1176	0.9547
secom	0.9038	0.0962	0.9038	0.1595	0.6726
secondary_mushroom	0.9995	0.0005	0.9995	0.9990	0.0057
segment	0.9264	0.0210	0.9264	0.9139	0.0880
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9031	0.0969	0.9031	0.1425	0.6780
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.7947	0.2053	0.7947	0.1018	0.7709
sens-2-gram	0.7974	0.2026	0.7974	0.1057	0.7712
sens-3-gram	0.7921	0.2079	0.7921	0.0980	0.7706
sens-4-gram	0.8368	0.1632	0.8368	0.2051	0.7461
sensorless	0.9850	0.0027	0.9850	0.9835	0.0249
sepsis	0.9042	0.0958	0.9042	0.0138	0.4675
shoppers	0.8670	0.1330	0.8670	0.4786	0.6618
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9814	0.0186	0.9814	0.8412	0.2443
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9994	0.0054
smk_can_187	0.5263	0.4737	0.5263	0.0757	0.9099
solar-flare	0.7194	0.0935	0.7194	0.6461	0.2448
sonar	0.8000	0.2000	0.8000	0.6000	0.6236
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9261	0.0739	0.9261	0.8454	0.3603
spect	0.7037	0.2963	0.7037	0.2340	0.8108
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.4070	0.0194	0.4047	0.3955	0.1702
splice-EI	0.9401	0.0599	0.9401	0.8405	0.3518
splice-IE	0.8927	0.1073	0.8927	0.7003	0.5231
sport-articles	0.7900	0.2100	0.7900	0.5470	0.6985
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8051	0.1949	0.8051	0.4235	0.7334
steel-d	0.9795	0.0205	0.9795	0.7039	0.4990
steel_industry	0.9167	0.0556	0.9167	0.8643	0.2016
steel-k	0.9744	0.0256	0.9744	0.9221	0.2232
steel-o	0.7744	0.2256	0.7744	0.5099	0.7277
steel-p	0.9179	0.0821	0.9179	0.4553	0.6225
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8173	0.4208
studentap	0.3846	0.4103	0.3846	0.0189	0.7429
student-weekend	0.3538	0.2585	0.3538	0.1453	0.7149
student-workday	0.6094	0.1562	0.6094	0.1026	0.6339
susy10%	0.7179	0.2821	0.7179	0.4318	0.7985
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0092
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4558
Tdp_desc	0.6944	0.3056	0.6944	0.2774	0.7708
texture	0.9109	0.0162	0.9109	0.9018	0.1177
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.1607	0.7805
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8893	0.1107	0.8893	0.6980	0.5234
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.6250	0.1250	0.6250	0.4894	0.2097
tox_171	0.7059	0.1471	0.7059	0.6101	0.2505
toxicity	0.6471	0.3529	0.6471	0.2273	0.8920
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6133	0.3867	0.6133	-0.0805	0.9121
trec11-wc	0.7805	0.0488	0.7805	0.7359	0.2211
trec12-wc	0.7742	0.0565	0.7742	0.7281	0.1867

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7576	0.0808	0.7576	0.5448	0.3040
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9355	0.0184	0.9355	0.9144	0.1043
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0724
trec45-wc	0.8841	0.0232	0.8841	0.8640	0.0817
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.7500	0.1250	0.7500	0.6667	0.3493
tvnews	0.9348	0.0652	0.9348	0.8578	0.3187
urban	0.8358	0.0365	0.8358	0.8081	0.1622
vehicle	0.7619	0.1190	0.7619	0.6780	0.2439
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.4444	0.1010	0.4444	0.3889	0.3196
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9273	0.0781	0.9253	0.3708	0.5101
wap-wc	0.6923	0.0308	0.6923	0.6553	0.2458
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.8571	0.0286	0.8571	0.8409	0.0636
watch-acc10%	0.9983	0.0005	0.9983	0.9980	0.0051
watch-gyr10%	0.9989	0.0003	0.9989	0.9988	0.0033
waveform	0.7520	0.1653	0.7520	0.6278	0.4896
web-phishing	0.8593	0.0938	0.8593	0.7536	0.4030
weight-lift	0.9875	0.0050	0.9875	0.9842	0.0366
white-clover	0.3415	0.3470	0.3293	-0.1921	0.3639
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.6604	0.1132	0.6604	0.4693	0.6048
winequality-white	0.6217	0.1081	0.6217	0.4434	0.5058
winnipeg	0.9980	0.0006	0.9980	0.9975	0.0106
yale	0.6250	0.0500	0.6250	0.6000	0.0887
yeast	0.5068	0.0986	0.5068	0.3680	0.5061
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9392	0.0608	0.9392	0.2808	0.5314
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.4370	0.5750
zip	0.9022	0.0196	0.9022	0.8904	0.1483
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 19: Detailed results for BalanceCascade

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0277	0.0443	0.0330	0.0370	0.6763
abalone19	0.2632	0.7368	0.2632	-0.0014	0.0402
abalone9-18	0.8493	0.1507	0.8493	0.2026	0.5343
accelerometer	0.9481	0.0519	0.9481	0.3118	0.4611
ads	0.9848	0.0152	0.9848	0.9362	0.1612
adult	0.8450	0.1550	0.8450	0.5838	0.6430
AID1284Morered	0.6667	0.3333	0.6667	0.1660	0.6472
AID1284red	0.5833	0.4167	0.5833	0.0940	0.6115
AID_1431	0.7857	0.2143	0.7857	0.1236	0.6212
AID1608Morered	0.6990	0.3010	0.6990	-0.0521	0.4716
AID1608red	0.6311	0.3689	0.6311	-0.0544	0.3812
AID_1878	0.7048	0.2952	0.7048	0.2136	0.7578
AID362red	0.9229	0.0771	0.9229	0.0867	0.3130
AID373AID439red	0.8142	0.1858	0.8142	-0.0003	0.0025
AID373red	0.8777	0.1223	0.8777	0.0115	0.0225
AID439Morered	0.5714	0.4286	0.5714	-0.2353	0.7045
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.7525	0.2475	0.7525	0.0101	0.0346
AID600_MACCS	0.7000	0.2951	0.7032	0.3490	0.7871
AID_602330	0.8125	0.1875	0.8125	0.0357	0.4132
AID604	0.9423	0.0577	0.9423	0.1037	0.1492
AID604AID644_AllRed	0.9222	0.0778	0.9222	0.0108	0.0304
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.5859	0.2761	0.5859	0.1404	0.4465
AID687AID721red	0.6022	0.3978	0.6022	-0.0012	0.0065
AID687red	0.7584	0.2416	0.7584	0.0089	0.0354
AID688red	0.8128	0.1872	0.8128	-0.0021	0.1122
AID721morered	0.4444	0.5556	0.4444	-0.3636	0.8576
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.8406	0.1594	0.8406	0.0063	0.0172
AID746red	0.8438	0.1562	0.8438	0.0238	0.0927
AID_773	0.5556	0.4444	0.5556	-0.0385	0.5628
AID852_MACCS	0.8898	0.1090	0.8908	0.6747	0.4865
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9101	0.0360	0.9101	0.8297	0.1987
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9791	0.0104	0.9791	0.9603	0.1301
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9764	0.0059	0.9764	0.9614	0.1165
anuran-species	0.9750	0.0050	0.9750	0.9653	0.0858
aps-failure	0.9868	0.0132	0.9868	0.7111	0.5094
arcene	0.6500	0.3500	0.6500	0.3137	0.8299
arrhythmia	0.3111	0.1060	0.3111	0.1775	0.5844
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.5700	0.0491	0.5526	0.5099	0.0598
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.4000	0.2000	0.4000	0.2814	0.3261
avila	0.4950	0.0842	0.4950	0.4242	0.6058
balance	0.7581	0.1613	0.7581	0.6069	0.3784
bank	0.8997	0.1003	0.8997	0.5762	0.6027
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8917	0.1083	0.8917	0.7592	0.4458
basehock	0.9598	0.0402	0.9598	0.9196	0.2182
bio	0.9968	0.0032	0.9968	0.8237	0.3467
biodeg	0.8857	0.1143	0.8857	0.7600	0.4858
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.0013	0.0789	0.0033	0.0045	0.1359
block10%	1.0000	0.0000	1.0000	0.9952	0.0209
block10%	1.0000	0.0000	1.0000	0.9952	0.0209
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.7000	0.0857	0.7000	0.6154	0.1132
bub10at310k-hg16-17	0.8825	0.1175	0.8825	0.3805	0.6612
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9598	0.0201	0.9598	0.9167	0.1688
card	0.8841	0.1159	0.8841	0.7643	0.4795
cardiotocography	0.8545	0.0291	0.8545	0.8285	0.2131
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8340	0.2846
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6563	0.4251
cas_N6512_cdk_ECFP2	0.7650	0.2350	0.7650	0.5290	0.7248
cdc_diabetes	0.4590	0.3607	0.4590	0.0369	0.4866
census10%	0.9275	0.0725	0.9275	0.5024	0.5936
central-nervous-system	0.6667	0.3333	0.6667	0.4000	0.5283
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.8721	0.1279	0.8721	0.2050	0.5928
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9992	0.0008	0.9992	0.6846	0.5184
ci100410h_MACCS	0.8438	0.1562	0.8438	0.5181	0.6559
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3994	0.8091
cirrhosis	0.6429	0.2381	0.6429	0.3931	0.6093
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7824	0.1088	0.7824	0.6778	0.4651
climate	0.8519	0.1481	0.8519	0.2603	0.6164
cil_sub_111	0.4167	0.3889	0.4167	0.1250	0.5356
cm1	0.8000	0.2000	0.8000	0.1803	0.6689
cmc	0.5306	0.3129	0.5306	0.2726	0.7026
cnae-9	0.8981	0.0226	0.8981	0.8854	0.1086
codon_usage	0.5549	0.0809	0.5549	0.4897	0.4859
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.8276	0.1724	0.8276	0.6092	0.6265
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.7241	0.2759	0.7241	0.4171	0.7875
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.3165	0.7298
colposcopies-6	0.5862	0.4138	0.5862	0.1635	0.9220
colposcopies-c	0.6897	0.3103	0.6897	0.2606	0.8063
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7419	0.1720	0.7419	0.5804	0.3096
connect-4	0.9543	0.0305	0.9543	0.4610	0.4977
cottonmeloidogyne	0.7476	0.2524	0.7476	0.4960	0.7309
coupon	0.7768	0.2232	0.7768	0.5419	0.7089
covtype	0.7339	0.0760	0.7339	0.6002	0.3790
covtypeCD	0.9906	0.0094	0.9906	0.9604	0.1424
covtypeT	0.9865	0.0135	0.9865	0.8992	0.2719
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.4035	0.7364
crowdsourced	0.9060	0.0313	0.9060	0.8175	0.3825
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5625	0.0219	0.5625	0.5497	0.0667
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7963	0.2037	0.7963	0.5858	0.6749
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7910	0.2090	0.7910	0.3953	0.7526
deposit	0.8912	0.1088	0.8912	0.5507	0.6179
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5789	0.3187
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5645	0.6907
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5020	0.3320	0.5020	0.1468	0.7704
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5417	0.4583	0.5417	0.0704	0.9669
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5596	0.4404	0.5596	0.1213	0.9573
dropout	0.7427	0.1716	0.7427	0.5829	0.4819
drug-01	0.1862	0.2325	0.1862	0.0236	0.8402
drug-02	0.2926	0.2021	0.2926	0.1441	0.7207
drug-03	0.2926	0.2021	0.2926	0.0721	0.7385
drug-04	0.2553	0.2128	0.2553	0.1064	0.7772
drug-05	0.1383	0.2462	0.1383	0.0175	0.5996
drug-06	0.2819	0.2052	0.2819	0.1573	0.7131
drug-07	0.2128	0.2249	0.2128	0.0146	0.8774
drug-08	0.2394	0.2173	0.2394	0.0611	0.7485
drug-09	0.1100	0.2414	0.1139	0.0031	0.4538
drug-10	0.2181	0.2234	0.2181	0.0554	0.8020
drug-11	0.2234	0.2219	0.2234	0.0395	0.4832
drug-12	0.1011	0.2568	0.1011	0.0153	0.5536
drug-13	0.2394	0.2173	0.2394	0.0724	0.7210
drug-14	0.2872	0.2036	0.2872	0.1509	0.6859
drug-15	0.3245	0.1930	0.3245	0.0557	0.7177
drug-16	0.1596	0.2401	0.1596	-0.0200	0.7029
drug-17	0.1915	0.2310	0.1915	0.0549	0.8086
drug-18	0.3963	0.2590	0.3739	0.0182	0.0108
drug-19	0.2074	0.2264	0.2074	0.0378	0.6041
drybean	0.9214	0.0225	0.9214	0.9050	0.1285
ecoli	0.7059	0.0735	0.7059	0.5976	0.1734
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3625	0.0797	0.3625	0.3169	0.6629
eeg-eye	0.9139	0.0861	0.9139	0.8250	0.3827
EPA_FHM	0.9344	0.0656	0.9344	0.5658	0.5819
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.6014	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.5104	0.5170
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9839	0.0161	0.9839	0.9379	0.0639
er_tox_rdkit_MACCS	0.9194	0.0806	0.9194	0.5110	0.5170
er_tox_rdkit_MORGAN	0.8871	0.1129	0.8871	0.4182	0.4809
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5398	0.6686
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.4678	0.5898
eucalyptus	0.6027	0.1589	0.6027	0.4927	0.4157
euthyroid	0.9620	0.0380	0.9620	0.7854	0.3952
exon.vs.intron-freq	0.9798	0.0202	0.9798	0.9595	0.1321
fbis-wc	0.7927	0.0244	0.7927	0.7680	0.1992
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.5000	0.1250	0.5000	0.4135	0.3058
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5215	0.0186	0.5118	0.5313	0.6353
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9921	0.0026	0.9921	0.9904	0.0203
gastrointestinal	0.7500	0.1667	0.7500	0.6098	0.3946
gender	0.4674	0.3551	0.4674	0.0580	0.7703
gene	0.9369	0.0421	0.9369	0.8995	0.1853
german	0.6800	0.3200	0.6800	0.2363	0.8541
gina	0.9164	0.0836	0.9164	0.8330	0.3767
glass	0.5714	0.1429	0.5714	0.4793	0.2558
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.7143	0.2857	0.7143	0.4000	0.7846
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.7143	0.2857	0.7143	-0.0862	0.3628
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4737	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.3333	0.3333	0.3333	0.1018	0.4993
haberman	0.7000	0.3000	0.7000	0.2623	0.8380
hapt	0.9140	0.0143	0.9140	0.8984	0.1003
har70	0.6095	0.1116	0.6095	0.5231	0.2379
harth10%	0.7351	0.0442	0.7351	0.6514	0.2876
hayes-roth	0.6250	0.2500	0.6250	0.4074	0.3966
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.6667	0.5000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8602	0.1398	0.8602	0.7203	0.5364
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.3478	0.8010
higgs10%	0.7245	0.2755	0.7245	0.4493	0.7852
higher	0.1429	0.2143	0.1429	0.0059	0.3690
hinselmann	0.5000	0.5000	0.5000	0.0000	0.7460
hiv1-proteasa	0.8887	0.1113	0.8887	0.6239	0.5912
hiva	0.8274	0.1726	0.8274	0.1086	0.3835
horse	0.6667	0.2222	0.6667	0.4518	0.5423
htru2	0.9749	0.0251	0.9749	0.8510	0.3257
ht-sensor	0.9997	0.0002	0.9997	0.9996	0.0017
hypothyroid	0.2259	0.3842	0.2288	0.0331	0.2324
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5763	0.4237	0.5763	0.0186	0.9217
immuno-therapy	0.7778	0.2222	0.7778	0.5263	0.5283
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8819	0.0091	0.8819	0.8772	0.1016
jm1	0.7163	0.2837	0.7163	0.2315	0.7805
fvowels	0.9498	0.0112	0.9498	0.9431	0.0858
kc1	0.7915	0.2085	0.7915	0.2966	0.7440
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.0580	0.0689	0.0834	0.0466	0.1227
kc1-class-level-top5percentDF	0.7333	0.2667	0.7333	-0.1111	0.4921
kc2	0.7692	0.2308	0.7692	0.3514	0.7685
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.3437	0.0729	0.3437	0.2823	0.6682
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8254	0.0582	0.8254	0.7813	0.3047
la2s-wc	0.8278	0.0574	0.8278	0.7837	0.2927
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6915	0.0538
led24	0.6000	0.0800	0.6000	0.5493	0.1579
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9335	0.0051	0.9335	0.9308	0.0782
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.9444	0.0074	0.9444	0.9402	0.0232
linkage10%	0.9998	0.0002	0.9998	0.9767	0.1262
liver	0.7059	0.2941	0.7059	0.4118	0.7325
localization	0.4031	0.1085	0.4031	0.3384	0.5804
lrs	0.5253	0.1033	0.5416	0.3880	0.2769
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9029	0.1238
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.6429	0.1786	0.6429	0.4068	0.3339
lymphoma2	0.5556	0.0988	0.5556	0.4706	0.0869
madelon	0.8308	0.1692	0.8308	0.6615	0.6018
magic04	0.8711	0.1289	0.8711	0.7166	0.5305

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5411	0.7155
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7146	0.3978
messidor	0.7043	0.2957	0.7043	0.4012	0.8166
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0578
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1687
mfeat-kar	0.9400	0.0120	0.9400	0.9333	0.0729
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.1966
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0473
mfeat-zer	0.7550	0.0490	0.7550	0.7278	0.1812
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4113	0.4398
mobile	0.8776	0.0044	0.8776	0.8754	0.0567
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9290	0.2027
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9682	0.0318	0.9682	0.8693	0.1689
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9915
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7701
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3677	0.8341
MUT_ci300400a	0.8584	0.1416	0.8584	0.7117	0.5459
MUT_ci300400a_cdk_ECFP2	0.8201	0.1799	0.8201	0.6340	0.6278
myocardial	0.3824	0.1544	0.3824	0.1233	0.4252
naticusdroid	0.9717	0.0283	0.9717	0.9434	0.1736
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.3612	0.0672	0.3612	0.2354	0.7362
newspop	0.6604	0.3396	0.6604	0.3198	0.8678
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9675	0.0325	0.9675	0.9201	0.2163
NPHA-doctor-visits	0.3750	0.4167	0.3750	0.0267	0.8046
nursery	0.6975	0.1210	0.6975	0.5832	0.2987
obs	0.9907	0.0046	0.9907	0.9862	0.0189
occupancy	0.9937	0.0063	0.9937	0.9823	0.0807
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8911	0.0218	0.8911	0.8753	0.1073
oh10-wc	0.7905	0.0419	0.7905	0.7624	0.1813
oh15-wc	0.8370	0.0326	0.8370	0.8144	0.1583
oh5-wc	0.7692	0.0462	0.7692	0.7396	0.2175
opn310k	0.9001	0.0999	0.9001	0.4570	0.6400
opnat310k-hg16-17	0.9165	0.0878	0.8993	0.3659	0.6041
optdigits	0.9431	0.0114	0.9431	0.9367	0.0820
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.9250	0.0037	0.9250	0.9231	0.0147
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9091	0.0909	0.9091	0.2650	0.5168
ozone8hr	0.9012	0.0988	0.9012	0.3368	0.6571
p53-mutants10%	0.9777	0.0223	0.9777	-0.0055	0.2056
page-blocks	0.9415	0.0234	0.9415	0.7458	0.4434

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.9314	0.0686	0.9314	0.8345	0.3838
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	0.4995	0.5971
pcmac	0.4536	0.5464	0.4536	-0.0674	0.9892
pd	0.8947	0.1053	0.8947	0.7193	0.5115
pediatric-leukemia	0.8824	0.0336	0.8824	0.8571	0.1067
pendigits	0.9809	0.0038	0.9809	0.9788	0.0339
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8660	0.1340	0.8660	0.7079	0.5462
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.7994
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7621	0.4761
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.8000	0.2000	0.8000	0.6000	0.6335
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.9204	0.0796	0.9204	0.8096	0.4196
phy	0.7000	0.3000	0.7000	0.3998	0.8198
pima	0.7368	0.2632	0.7368	0.4493	0.7788
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.1852	0.1630	0.1852	0.0151	0.9421
polish-1st	0.9673	0.0327	0.9673	0.6295	0.5410
polish-2nd	0.9577	0.0423	0.9577	0.4721	0.5803
polish-3rd	0.9429	0.0571	0.9429	0.4706	0.5953
polish-4th	0.9510	0.0490	0.9510	0.5875	0.5655
polish-5th	0.9425	0.0575	0.9425	0.5737	0.5660
polya	0.7762	0.2238	0.7762	0.5230	0.7192
popularity	0.4764	0.3491	0.4764	0.1330	0.6924
post-operative	0.1111	0.5926	0.1111	-0.3333	0.4444
postures	0.9860	0.0056	0.9860	0.9825	0.0378
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.2121	0.0716	0.2121	0.1836	0.1904
profb	0.5821	0.4179	0.5821	0.1511	0.8848
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9922	0.0031	0.9922	0.9895	0.0294
pufs-6410%	0.5012	0.4988	0.5012	0.0024	0.9955
raisin	0.8889	0.1111	0.8889	0.7778	0.4596
re0-wc	0.4467	0.0851	0.4467	0.3806	0.4758
re1-wc	0.6265	0.0299	0.6265	0.6018	0.2455
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7054	0.2946	0.7054	0.4087	0.7977
RT_IOT2022	0.9858	0.0024	0.9858	0.9643	0.0343
satimage	0.9067	0.0311	0.9067	0.8849	0.1560
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9362	0.0638	0.9362	0.6856	0.5312
scadi	0.5652	0.1181	0.5647	0.4479	0.1760
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.8397	0.1603	0.8397	0.0589	0.5971
secondary_mushroom	0.9997	0.0003	0.9997	0.9993	0.0042
segment	0.9394	0.0173	0.9394	0.9291	0.0740
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8411	0.1589	0.8411	0.1799	0.5861
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.7632	0.2368	0.7632	0.1009	0.7492
sens-2-gram	0.8342	0.1658	0.8342	0.3753	0.6966
sens-3-gram	0.8105	0.1895	0.8105	0.2912	0.7180
sens-4-gram	0.7711	0.2289	0.7711	0.1373	0.7444
sensorless	0.9908	0.0017	0.9908	0.9898	0.0174
sepsis	0.2026	0.7974	0.2026	-0.0278	0.3492
shoppers	0.8913	0.1087	0.8913	0.6003	0.6005
shuttle	0.9805	0.0056	0.9805	0.9471	0.3179
sick	0.9788	0.0212	0.9788	0.8286	0.3339
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0090
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.6906	0.1031	0.6906	0.6162	0.2621
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9412	0.0062	0.9412	0.9357	0.0333
spambase	0.9348	0.0652	0.9348	0.8631	0.3261
spect	0.7778	0.2222	0.7778	0.3571	0.7720
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.1960	0.0294	0.1831	0.1528	0.1885
splice-EI	0.9685	0.0315	0.9685	0.9184	0.2445
splice-IE	0.9464	0.0536	0.9464	0.8587	0.3527
sport-articles	0.8500	0.1500	0.8500	0.6835	0.5745
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.8615	0.1385	0.8615	0.6009	0.6229
steel-d	0.9795	0.0205	0.9795	0.7039	0.4990
steel_industry	0.9150	0.0567	0.9150	0.8618	0.2107
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.8308	0.1692	0.8308	0.6262	0.6251
steel-p	0.9436	0.0564	0.9436	0.6722	0.5362
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.3077	0.4615	0.3077	-0.0446	0.6554
student-weekend	0.3231	0.2708	0.3231	0.1184	0.7426
student-workday	0.4688	0.2125	0.4688	0.1201	0.6181
susy10%	0.7934	0.2066	0.7934	0.5803	0.6685
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9655	0.0063	0.9655	0.9619	0.0498
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7234	0.2766	0.7234	0.2276	0.6989
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9110	0.0890	0.9110	0.7609	0.4622
titanic	0.7727	0.2273	0.7727	0.4723	0.7423
tourist	0.8750	0.0417	0.8750	0.8049	0.0663
tox_171	0.8235	0.0882	0.8235	0.7628	0.1737
toxicity	0.7059	0.2941	0.7059	0.3307	0.8305
toxicity-13f	0.7059	0.2941	0.7059	0.3796	0.8113
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5600	0.4400	0.5600	-0.0300	0.8707
trec11-wc	0.9024	0.0217	0.9024	0.8812	0.0882
trec12-wc	0.8387	0.0403	0.8387	0.8084	0.1558

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7273	0.0909	0.7273	0.5757	0.2173
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9436	0.0124	0.9520	0.9476	0.0712
trec41-wc	0.9318	0.0136	0.9318	0.9176	0.1113
trec45-wc	0.8986	0.0203	0.8986	0.8818	0.1064
tuandromd	0.9865	0.0135	0.9865	0.9582	0.1317
turkish	0.7500	0.1250	0.7500	0.6667	0.3208
tvnews	0.9557	0.0443	0.9557	0.9039	0.2463
urban	0.8209	0.0398	0.8209	0.7915	0.1944
vehicle	0.7976	0.1012	0.7976	0.7263	0.1977
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6465	0.0643	0.6465	0.6111	0.2495
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9299	0.0770	0.9327	0.3764	0.5100
wap-wc	0.6667	0.0333	0.6667	0.6348	0.2409
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9984	0.0004	0.9984	0.9982	0.0046
watch-gyr10%	0.9990	0.0003	0.9990	0.9989	0.0031
waveform	0.8140	0.1240	0.8140	0.7210	0.4094
web-phishing	0.8519	0.0988	0.8519	0.7410	0.4067
weight-lift	0.9987	0.0005	0.9987	0.9984	0.0045
white-clover	0.6667	0.1667	0.6667	0.2500	0.3385
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9793	0.0207	0.9793	0.8107	0.4347
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.2767	0.2411	0.2767	0.0837	0.7132
winequality-white	0.2168	0.2238	0.2168	0.0563	0.7738
winnipeg	0.9946	0.0015	0.9946	0.9932	0.0253
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.3851	0.1230	0.3851	0.2902	0.5763
yeastCYT-POX	0.9184	0.0816	0.9184	0.4674	0.5000
yeastEXC	0.9189	0.0811	0.9189	0.2183	0.4747
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.8919	0.1081	0.8919	0.2226	0.5660
zip	0.9441	0.0112	0.9441	0.9373	0.0913
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 20: Detailed results for LigthGBM

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1511	0.0585	0.1511	0.0774	0.6264
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9847	0.0153	0.9847	0.4030	0.3938
ads	0.9756	0.0244	0.9756	0.8930	0.1527
adult	0.8657	0.1343	0.8657	0.5957	0.5644
AID1284Morered	0.8333	0.1667	0.8333	-0.0485	0.7128
AID1284red	0.8889	0.1111	0.8889	0.3010	0.2451
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	0.1477	0.7218
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9921	0.0079	0.9921	-0.0003	0.0315
AID373red	0.9941	0.0059	0.9941	-0.0017	0.2303
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6983	0.2994	0.7076	0.3444	0.7941
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9969	0.0031	0.9969	0.4985	0.4586
AID604AID644_AllRed	0.9978	0.0022	0.9978	0.1323	0.4884
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.4500	0.5500	0.4500	-0.2500	0.9654
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9940	0.0060	0.9940	-0.0011	0.1403
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9951	0.0049	0.9951	0.0630	0.2906
AID746red	0.9935	0.0065	0.9935	0.1679	0.4321
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8809	0.1084	0.8897	0.6803	0.4944
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9551	0.0180	0.9551	0.9076	0.1272
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9833	0.0083	0.9833	0.9681	0.0436
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9833	0.0042	0.9833	0.9725	0.0853
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0210
aps-failure	0.9912	0.0088	0.9912	0.7176	0.2973
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7556	0.0376	0.7556	0.6136	0.2207
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6087	0.0326	0.6087	0.5390	0.1106
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9808	0.0032	0.9808	0.9751	0.1051
balance	0.9032	0.0645	0.9032	0.8201	0.2479
bank	0.9167	0.0833	0.9167	0.5500	0.5640
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8986	0.1014	0.8986	0.7703	0.3741
basehock	0.9497	0.0503	0.9497	0.8995	0.2513
bio	0.9966	0.0034	0.9966	0.7999	0.2859
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9783	0.0000	0.9713	0.0226	0.2255
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7857	0.2143	0.7857	0.3824	0.6553
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.7000	0.0857	0.7000	0.5455	0.1084
bub10at310k-hg16-17	0.9215	0.0785	0.9215	0.3386	0.4782
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6612	0.2404
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9828	0.0086	0.9828	0.9635	0.1207
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8732	0.0254	0.8732	0.8480	0.1530
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8399	0.1754
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7206	0.2773
cas_N6512_cdk_ECFP2	0.7542	0.2458	0.7542	0.5047	0.7446
cdc_diabetes	0.8502	0.0998	0.8502	0.1851	0.3023
census10%	0.9549	0.0451	0.9549	0.4736	0.4086
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9984	0.0016	0.9984	0.3350	0.5257
ci100410h_MACCS	0.8438	0.1562	0.8438	0.3846	0.3145
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7537	0.4063
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5985	0.6406
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3990	0.7937
cirrhosis	0.8333	0.1111	0.8333	0.6517	0.2125
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8120	0.0940	0.8120	0.6977	0.3091
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5578	0.2948	0.5578	0.3028	0.6744
cnae-9	0.8981	0.0226	0.8981	0.8854	0.1022
codon_usage	0.9171	0.0151	0.9171	0.8988	0.1209
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3895	0.8063
colposcopies-2	0.7586	0.2414	0.7586	0.4377	0.6462
colposcopies-3	0.6207	0.3793	0.6207	0.2084	0.9148
colposcopies-4	0.7931	0.2069	0.7931	0.3256	0.3750

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.7931	0.2069	0.7931	0.5817	0.5977
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9972	0.0019	0.9972	0.9332	0.0076
cottonmeloidogyne	0.7837	0.2163	0.7837	0.5676	0.6890
coupon	0.7429	0.2571	0.7429	0.4675	0.7586
covtype	0.8074	0.0550	0.8074	0.6874	0.3146
covtypeCD	0.9876	0.0124	0.9876	0.9464	0.1206
covtypeT	0.9818	0.0182	0.9818	0.8546	0.2525
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5018	0.5260
crowdsourced	0.9475	0.0175	0.9475	0.8907	0.1117
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5171	0.0718
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.7593	0.2407	0.7593	0.5049	0.7398
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8317	0.1683	0.8317	0.4169	0.6261
deposit	0.9064	0.0936	0.9064	0.4693	0.5710
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5727	0.2849	0.5727	0.1647	0.5787
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6667	0.3333	0.6667	0.2500	0.7414
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5941	0.4059	0.5941	0.1752	0.9219
dropout	0.7698	0.1535	0.7698	0.6147	0.4642
drug-01	0.3404	0.1885	0.3404	0.0096	0.6286
drug-02	0.4734	0.1505	0.4734	0.1072	0.6480
drug-03	0.6489	0.1003	0.6489	0.0683	0.5107
drug-04	0.4894	0.1459	0.4894	0.1013	0.7316
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3936	0.1733	0.3936	0.2374	0.5910
drug-07	0.4415	0.1596	0.4415	0.0806	0.4488
drug-08	0.5266	0.1353	0.5266	0.1570	0.5664
drug-09	0.8723	0.0365	0.8723	0.1266	0.2064
drug-10	0.5585	0.1261	0.5585	0.1971	0.4996
drug-11	0.8351	0.0471	0.8351	0.0325	0.4299
drug-12	0.7660	0.0669	0.7660	-0.0131	0.3926
drug-13	0.5851	0.1185	0.5851	0.2024	0.4431
drug-14	0.5638	0.1246	0.5638	0.2674	0.5666
drug-15	0.7606	0.0684	0.7606	0.1237	0.4181
drug-16	0.5798	0.1201	0.5798	0.3014	0.5007
drug-17	0.3404	0.1885	0.3404	0.1180	0.7433
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7766	0.0638	0.7766	0.1695	0.2998
drybean	0.9273	0.0208	0.9273	0.9121	0.1166
ecoli	0.7941	0.0515	0.7941	0.7105	0.1443
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5424	0.0572	0.5424	0.4923	0.5523
eeg-eye	0.8378	0.1622	0.8378	0.6693	0.5802
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7004	0.5303
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.4876	0.0984
er_tox_rdkit_MORGAN	0.9839	0.0161	0.9839	0.7919	0.0579
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6849	0.1260	0.6849	0.5910	0.3389
euthyroid	0.9747	0.0253	0.9747	0.8527	0.2759
exon.vs.intron-freq	0.9566	0.0434	0.9566	0.9128	0.2344
fbis-wc	0.8659	0.0158	0.8659	0.8471	0.0798
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.8000	0.0500	0.8000	0.7419	0.0996
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.5235	0.0187	0.5195	0.5240	0.6297
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9928	0.0024	0.9928	0.9913	0.0184
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.4081
gender	0.5979	0.2681	0.5979	0.1380	0.5385
gene	0.9432	0.0379	0.9432	0.9088	0.1628
german	0.7400	0.2600	0.7400	0.3418	0.6583
gina	0.9510	0.0490	0.9510	0.9020	0.2622
glass	0.7143	0.0952	0.7143	0.5987	0.2720
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4667	0.2667	0.4667	0.2814	0.5132
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9680	0.0053	0.9680	0.9621	0.0435
har70	0.9198	0.0229	0.9198	0.8810	0.2433
harth10%	0.8739	0.0210	0.8739	0.8276	0.2429
hayes-roth	0.6875	0.2083	0.6875	0.4771	0.3554
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8552	0.1448	0.8552	0.7106	0.5401
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.7172	0.2828	0.7172	0.4324	0.7988
higher	0.2857	0.1786	0.2857	0.1515	0.3624
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9089	0.0911	0.9089	0.6246	0.4266
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.7222	0.1852	0.7222	0.5142	0.4924
htru2	0.9777	0.0223	0.9777	0.8620	0.2617
ht-sensor	0.9812	0.0125	0.9812	0.9718	0.0673
hypothyroid	0.9973	0.0013	0.9973	0.9840	0.0048
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136
ilpd	0.6949	0.3051	0.6949	0.2003	0.8649
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9037	0.0074	0.9037	0.8999	0.0860
jm1	0.8163	0.1837	0.8163	0.1659	0.5902
fvowels	0.9739	0.0058	0.9739	0.9704	0.0456
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.0667	0.1755
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8462	0.1538	0.8462	0.5059	0.6528
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7251	0.0305	0.7251	0.6926	0.2890
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.8794	0.0402	0.8794	0.8473	0.2086
la2s-wc	0.9139	0.0287	0.9139	0.8912	0.1499
labor	0.6667	0.3333	0.6667	0.2500	0.8750
leaf	0.7647	0.0118	0.7647	0.7525	0.0482
led24	0.6500	0.0700	0.6500	0.6034	0.1499
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9490	0.0039	0.9490	0.9469	0.0600
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7025	0.1197
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.8235	0.1765	0.8235	0.5768	0.6309
localization	0.6754	0.0590	0.6754	0.5836	0.4458
lrs	0.8491	0.0302	0.8491	0.7895	0.1052
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0746
madelon	0.8462	0.1538	0.8462	0.6923	0.5690
magic04	0.8774	0.1226	0.8774	0.7215	0.4823

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6654	0.5984
MAO_MACCS	0.7143	0.2857	0.7143	0.4167	0.8058
maternal	0.7822	0.1452	0.7822	0.6685	0.4296
messidor	0.6870	0.3130	0.6870	0.3601	0.8409
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0711
mfeat-fou	0.8350	0.0330	0.8350	0.8167	0.1407
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0570
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2104
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0544
mfeat-zer	0.7850	0.0430	0.7850	0.7611	0.1274
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3369	0.5021
mobile	0.8706	0.0046	0.8706	0.8683	0.0611
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.8361	0.1639	0.8361	0.6008	0.4861
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9621	0.0379	0.9621	0.8389	0.1208
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6721
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3434	0.8529
MUT_ci300400a	0.8421	0.1579	0.8421	0.6769	0.5834
MUT_ci300400a_cdk_ECFP2	0.7890	0.2110	0.7890	0.5639	0.6905
myocardial	0.8824	0.0294	0.8824	0.4010	0.0964
naticusdroid	0.9642	0.0358	0.9642	0.9284	0.2063
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.9075	0.0097	0.9075	0.7461	0.7856
newspop	0.6746	0.3254	0.6746	0.3425	0.8509
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9597	0.0403	0.9597	0.9004	0.2474
NPHA-doctor-visits	0.5000	0.3333	0.5000	0.0969	0.6803
nursery	0.9823	0.0071	0.9823	0.9741	0.0962
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0807
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.8911	0.0218	0.8911	0.8756	0.1151
oh10-wc	0.7714	0.0457	0.7714	0.7398	0.2128
oh15-wc	0.8478	0.0304	0.8478	0.8262	0.1400
oh5-wc	0.8352	0.0330	0.8352	0.8133	0.1506
opn310k	0.9225	0.0775	0.9225	0.3604	0.4859
opnat310k-hg16-17	0.9115	0.0865	0.9060	0.3716	0.6028
optdigits	0.9573	0.0085	0.9573	0.9525	0.0612
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.8500	0.0075	0.8500	0.8462	0.0281
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8754	0.2982

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.8000	0.2000	0.8000	0.5455	0.4011
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.9261	0.0739	0.9261	0.8167	0.3929
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.4897	0.5103	0.4897	-0.1259	1.0000
pd	0.8947	0.1053	0.8947	0.6863	0.3954
pediatric-leukemia	0.8235	0.0504	0.8235	0.7802	0.1277
pendigits	0.9900	0.0020	0.9900	0.9889	0.0180
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6608	0.5783
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8338
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7621	0.4761
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.7000	0.3000	0.7000	0.4000	0.7967
phishing	0.9592	0.0408	0.9592	0.9144	0.2360
phoneme	0.8981	0.1019	0.8981	0.7526	0.4868
phy	0.7296	0.2704	0.7296	0.4590	0.7790
pima	0.7237	0.2763	0.7237	0.3973	0.7848
plrx	0.6111	0.3889	0.6111	-0.1887	0.9536
poker	0.6132	0.0774	0.6132	0.2744	0.8250
polish-1st	0.9815	0.0185	0.9815	0.6888	0.1863
polish-2nd	0.9735	0.0265	0.9735	0.5149	0.2493
polish-3rd	0.9638	0.0362	0.9638	0.3936	0.1988
polish-4th	0.9745	0.0255	0.9745	0.6864	0.2073
polish-5th	0.9712	0.0288	0.9712	0.7457	0.2724
polya	0.7838	0.2162	0.7838	0.5105	0.7018
popularity	0.6825	0.2117	0.6825	0.2518	0.4446
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9826	0.0070	0.9826	0.9782	0.0460
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7929
primary-tumor	0.5455	0.0413	0.5455	0.4949	0.1593
profb	0.6567	0.3433	0.6567	0.1309	0.8893
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9879	0.0049	0.9879	0.9837	0.0366
pufs-6410%	0.5025	0.4975	0.5025	0.0050	0.9986
raisin	0.8889	0.1111	0.8889	0.7778	0.4596
re0-wc	0.8800	0.0185	0.8800	0.8433	0.1621
re1-wc	0.8313	0.0135	0.8313	0.8071	0.1194
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6880	0.3120	0.6880	0.3507	0.8427
RT_IOT2022	0.9614	0.0064	0.9614	0.9033	0.1373
satimage	0.9036	0.0321	0.9036	0.8810	0.1543
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.9425	0.0575	0.9425	0.6304	0.4082
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9905	0.0095	0.9905	0.9808	0.0739
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9419	0.0581	0.9419	0.2673	0.3546
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8816	0.1184	0.8816	0.2054	0.4125
sens-4-gram	0.8711	0.1289	0.8711	0.1348	0.5175
sensorless	0.9974	0.0005	0.9974	0.9972	0.0054
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8978	0.1022	0.8978	0.5629	0.5511
shuttle	0.9633	0.0105	0.9633	0.9008	0.1649
sick	0.9867	0.0133	0.9867	0.8819	0.0504
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9990	0.0010	0.9990	0.9969	0.0189
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7770	0.0743	0.7770	0.7142	0.1991
sonar	0.7500	0.2500	0.7500	0.5000	0.7429
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9413	0.0587	0.9413	0.8774	0.3073
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5849	0.0173	0.5849	0.5607	0.1196
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9432	0.0568	0.9432	0.8414	0.3428
sport-articles	0.8400	0.1600	0.8400	0.6529	0.5962
squash-stored	0.8000	0.1333	0.8000	0.6667	0.1393
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8410	0.1590	0.8410	0.4794	0.6629
steel-d	0.9846	0.0154	0.9846	0.7194	0.3544
steel_industry	0.9018	0.0654	0.9018	0.8404	0.2311
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8103	0.1897	0.8103	0.5750	0.6644
steel-p	0.9179	0.0821	0.9179	0.3853	0.6193
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3846	0.4103	0.3846	0.0370	0.7109
student-weekend	0.3846	0.2462	0.3846	0.1436	0.6688
student-workday	0.6875	0.1250	0.6875	0.1281	0.3266
susy10%	0.7981	0.2019	0.7981	0.5887	0.6520
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	0.9996	0.0004	0.9996	0.9991	0.0038
tae	0.4000	0.4000	0.4000	0.1000	0.7003
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9745	0.0046	0.9745	0.9719	0.0391
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.9245	0.0755	0.9245	0.7871	0.3704
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7671	0.1047
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.6471	0.3529	0.6471	0.0893	0.8324
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.1076	0.9215
trec11-wc	0.9512	0.0108	0.9512	0.9405	0.0578
trec12-wc	0.9355	0.0161	0.9355	0.9215	0.0458

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8738	0.1141
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	0.9531	0.0124	0.9567	0.9332	0.0710
trec41-wc	0.9773	0.0045	0.9773	0.9723	0.0280
trec45-wc	0.9855	0.0029	0.9855	0.9831	0.0066
tuandromd	0.9843	0.0157	0.9843	0.9515	0.1548
turkish	0.7500	0.1250	0.7500	0.6667	0.2919
tvnews	0.9048	0.0952	0.9048	0.7931	0.4282
urban	0.8806	0.0265	0.8806	0.8606	0.1186
vehicle	0.7857	0.1071	0.7857	0.7105	0.2237
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5657	0.0790	0.5657	0.5222	0.2401
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9213	0.0785	0.9138	0.3786	0.5162
wap-wc	0.8333	0.0167	0.8333	0.8127	0.1179
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9465	0.0153	0.9465	0.9374	0.0855
watch-gyr10%	0.9583	0.0119	0.9583	0.9513	0.0710
waveform	0.8480	0.1013	0.8480	0.7720	0.3553
web-phishing	0.8593	0.0938	0.8593	0.7532	0.4052
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0038
white-clover	0.1667	0.4167	0.1667	-0.6667	0.3708
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9876	0.0124	0.9876	0.8631	0.2308
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6918	0.1027	0.6918	0.5029	0.3403
winequality-white	0.5992	0.1145	0.5992	0.3848	0.4748
winnipeg	0.9932	0.0019	0.9932	0.9914	0.0428
yale	0.6250	0.0500	0.6250	0.5983	0.0927
yeast	0.5811	0.0838	0.5811	0.4562	0.3835
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9473	0.0105	0.9473	0.9409	0.0836
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 21: Detailed results for SMOTEBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1773	0.0779	0.1332	0.0754	0.6246
abalone19	0.9713	0.0287	0.9713	-0.0109	0.3408
abalone9-18	0.8630	0.1370	0.8630	0.2251	0.5529
accelerometer	0.9578	0.0422	0.9578	0.3039	0.5048
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8174	0.1826	0.8174	0.5137	0.6939
AID1284Morered	0.7222	0.2778	0.7222	0.1304	0.7210
AID1284red	0.6389	0.3611	0.6389	-0.0636	0.7112
AID_1431	0.8095	0.1905	0.8095	-0.0265	0.6799
AID1608Morered	0.8641	0.1359	0.8641	-0.0729	0.6742
AID1608red	0.8641	0.1359	0.8641	-0.0713	0.6176
AID_1878	0.6952	0.3048	0.6952	0.2258	0.7397
AID362red	0.9743	0.0257	0.9743	0.2541	0.5498
AID373AID439red	0.9993	0.0007	0.9993	-0.0003	0.3124
AID373red	0.9982	0.0018	0.9982	0.1529	0.5195
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9910	0.0090	0.9910	-0.0040	0.4041
AID600_MACCS	0.7050	0.2931	0.6978	0.3531	0.7848
AID_602330	0.8646	0.1354	0.8646	0.0127	0.4911
AID604	0.9987	0.0013	0.9987	0.8415	0.3864
AID604AID644_AllRed	0.9965	0.0035	0.9965	0.0856	0.3689
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8081	0.1279	0.8081	0.1267	0.6447
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9937	0.0063	0.9937	0.0838	0.5027
AID688red	0.9846	0.0154	0.9846	-0.0075	0.5641
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9975	0.0025	0.9975	-0.0012	0.4477
AID746red	0.9865	0.0135	0.9865	0.1918	0.4969
AID_773	0.8148	0.1852	0.8148	0.1818	0.7177
AID852_MACCS	0.9026	0.1072	0.8796	0.6764	0.4886
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9680	0.0160	0.9680	0.9394	0.1451
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9402	0.0150	0.9402	0.9029	0.2365
anuran-species	0.9681	0.0064	0.9681	0.9556	0.0637
aps-failure	0.9854	0.0146	0.9854	0.6533	0.5180
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.6444	0.0547	0.6444	0.4979	0.2872
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.5980	0.0375	0.6108	0.5529	0.1011
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8058	0.1089
avila	0.9861	0.0023	0.9861	0.9820	0.0564
balance	0.7419	0.1720	0.7419	0.5661	0.4395
bank	0.8813	0.1187	0.8813	0.4433	0.6620
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8479	0.1521	0.8479	0.6688	0.5828
basehock	0.9548	0.0452	0.9548	0.9096	0.2353
bio	0.9893	0.0107	0.9893	0.5665	0.5396
biodeg	0.8190	0.1810	0.8190	0.6218	0.6377
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9625	0.0074	0.9754	0.0020	0.2103
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6071	0.3929	0.6071	0.0723	0.9102
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.2727	0.7273	0.2727	-0.4667	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9039	0.0272	0.9040	0.8709	0.0864
bub10at310k-hg16-17	0.7710	0.2290	0.7710	0.2041	0.5899
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9885	0.0057	0.9885	0.9750	0.0198
card	0.8696	0.1304	0.8696	0.7311	0.5170
cardiotocography	0.8779	0.0244	0.8779	0.8544	0.1676
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8465	0.2569
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5175	0.4809
cas_N6512_cdk_ECFP2	0.7189	0.2811	0.7189	0.4353	0.7963
cdc_diabetes	0.8144	0.1238	0.8144	0.2298	0.5874
census10%	0.9271	0.0729	0.9271	0.3557	0.6322
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9186	0.0814	0.9186	0.3205	0.6437
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9186	0.0814	0.9186	0.4245	0.5608
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9988	0.0012	0.9988	0.5797	0.5313
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.9636	0.0364	0.9636	0.9197	0.1436
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6389	0.6114
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.7158	0.2842	0.7158	0.4121	0.7982
cirrhosis	0.5714	0.2857	0.5714	0.2222	0.7032
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7926	0.1037	0.7926	0.6802	0.4529
climate	0.9074	0.0926	0.9074	0.3946	0.6420
cll_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8200	0.1800	0.8200	0.0816	0.7182
cmc	0.5170	0.3220	0.5170	0.2437	0.7200
cnae-9	0.8796	0.0267	0.8796	0.8646	0.1301
codon_usage	0.8035	0.0357	0.8035	0.7630	0.3711
coil20	0.9306	0.0069	0.9306	0.9269	0.0498
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.7241	0.2759	0.7241	0.4341	0.7805
colposcopies-3	0.5862	0.4138	0.5862	0.1869	0.9040
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6552	0.3448	0.6552	-0.0432	0.8064
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.7241	0.2759	0.7241	0.3136	0.7964
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9753	0.0165	0.9753	0.5149	0.5261
cottonmeloidogyne	0.7139	0.2861	0.7139	0.4279	0.8024
coupon	0.7303	0.2697	0.7303	0.4485	0.7836
covtype	0.9428	0.0164	0.9428	0.9084	0.1897
covtypeCD	0.9836	0.0164	0.9836	0.9321	0.2159
covtypeT	0.9813	0.0187	0.9813	0.8586	0.3139
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5475	0.5986
crowdsourced	0.8940	0.0353	0.8940	0.7890	0.3568
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3896	0.1029
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.7963	0.2037	0.7963	0.5948	0.6428
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7543	0.2457	0.7543	0.3049	0.7953
deposit	0.8761	0.1239	0.8761	0.4607	0.6591
dermatology	0.9189	0.0270	0.9189	0.8989	0.0903
desharnais	0.5000	0.3333	0.5000	0.1795	0.6427
dexter	0.8333	0.1667	0.8333	0.6667	0.5921
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.6053	0.6314
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.4784	0.3477	0.4784	0.0860	0.7931
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.1250	0.9838
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5251	0.4749	0.5251	0.0491	0.9841
dropout	0.6749	0.2167	0.6749	0.4798	0.6016
drug-01	0.2287	0.2204	0.2287	-0.0196	0.9073
drug-02	0.4096	0.1687	0.4096	0.1771	0.8220
drug-03	0.4947	0.1444	0.4947	0.0637	0.7451
drug-04	0.3298	0.1915	0.3298	0.1041	0.8372
drug-05	0.4574	0.1550	0.4574	0.0184	0.7484
drug-06	0.2819	0.2052	0.2819	0.1425	0.7788
drug-07	0.2979	0.2006	0.2979	-0.0178	0.7624
drug-08	0.4309	0.1626	0.4309	0.1928	0.7859
drug-09	0.8590	0.0376	0.8746	0.1402	0.2190
drug-10	0.3989	0.1717	0.3989	0.1378	0.8236
drug-11	0.6809	0.0912	0.6809	0.0473	0.6691
drug-12	0.5479	0.1292	0.5479	0.0406	0.7087
drug-13	0.4734	0.1505	0.4734	0.1684	0.8325
drug-14	0.4734	0.1505	0.4734	0.2116	0.7257
drug-15	0.5372	0.1322	0.5372	0.1061	0.8210
drug-16	0.4468	0.1581	0.4468	0.2114	0.7030
drug-17	0.2447	0.2158	0.2447	0.0795	0.8647
drug-18	1.0000	0.0000	1.0000	-0.0052	0.0054
drug-19	0.4947	0.1444	0.4947	-0.0315	0.7596
drybean	0.9008	0.0283	0.9008	0.8801	0.1620
ecoli	0.8216	0.0456	0.8304	0.7570	0.1457
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.7879	0.2121	0.7879	0.1149	0.6407
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3719	0.0785	0.3719	0.3122	0.7573
eeg-eye	0.8351	0.1649	0.8351	0.6672	0.5961
EPA_FHM	0.9016	0.0984	0.9016	0.3488	0.6325
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.1772	0.9219
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7004	0.5303
er_tox_rdkit_ATOMPAIR	0.9836	0.0164	0.9836	0.8486	0.4011
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7705	0.2295	0.7705	0.4799	0.7381
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.5734	0.4552
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8845	0.2659
er_tox_rdkit_RDKITFP	0.7213	0.2787	0.7213	0.3802	0.7874
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6164	0.1534	0.6164	0.5119	0.4069
euthyroid	0.9494	0.0506	0.9494	0.7219	0.4761
exon.vs.intron-freq	0.9671	0.0329	0.9671	0.9340	0.1955
fbis-wc	0.7276	0.0320	0.7276	0.6939	0.2642
fda.atompair_fp	0.5000	0.5000	0.5000	-0.1980	0.9394
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4500	0.1375	0.4500	0.3373	0.3375
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5362	0.0189	0.5239	0.5191	0.6292
forest	0.9423	0.0288	0.9423	0.9210	0.1050
gas	0.9813	0.0062	0.9813	0.9773	0.0454
gastrointestinal	0.8125	0.1250	0.8125	0.7055	0.3694
gender	0.4505	0.3663	0.4505	0.0150	0.7835
gene	0.8864	0.0757	0.8864	0.8171	0.2994
german	0.7200	0.2800	0.7200	0.3412	0.8016
gina	0.8905	0.1095	0.8905	0.7810	0.4582
glass	0.7143	0.0952	0.7143	0.6013	0.2355
glassBWF	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.7143	0.2857	0.7143	0.4375	0.7044
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8095	0.1905	0.8095	0.6049	0.6503
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4879
haberman	0.6667	0.3333	0.6667	0.2647	0.8104
hapt	0.9204	0.0133	0.9204	0.9059	0.1161
har70	0.8716	0.0367	0.8716	0.8182	0.3163
harth10%	0.8253	0.0291	0.8253	0.7662	0.3371
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.7667	0.2333	0.7667	0.5249	0.6926
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8119	0.1881	0.8119	0.6237	0.6415
hERG-121inputs	0.5714	0.4286	0.5714	0.0870	0.8810
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6000	0.4000	0.6000	0.1304	0.8900
higgs10%	0.6487	0.3513	0.6487	0.2965	0.8807
higher	0.1429	0.2143	0.1429	0.0059	0.4278
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8971	0.1029	0.8971	0.6066	0.5438
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.7500	0.1667	0.7500	0.5417	0.3531
htru2	0.9464	0.0536	0.9464	0.7139	0.5097
ht-sensor	0.9997	0.0002	0.9997	0.9996	0.0018
hypothyroid	1.0000	0.0000	0.9922	0.9938	0.0000
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6610	0.3390	0.6610	0.2277	0.8573
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7997	0.0154	0.7997	0.7917	0.1785
jm1	0.7787	0.2213	0.7787	0.3054	0.7768
jvowels	0.8916	0.0241	0.8916	0.8771	0.1702
kc1	0.8863	0.1137	0.8863	0.5345	0.6009
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.4975	0.0373	0.5091	0.0536	0.1794
kc1-class-level-top5percentDF	0.8000	0.2000	0.8000	-0.0976	0.5661
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.8542	0.0162	0.8542	0.8372	0.1940
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7714	0.0762	0.7714	0.7125	0.3663
la2s-wc	0.7517	0.0828	0.7517	0.6868	0.3857
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6304	0.0620
led24	0.5500	0.0900	0.5500	0.4944	0.2084
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8935	0.0082	0.8935	0.8892	0.1256
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7500	0.0333	0.7500	0.7313	0.1030
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.5882	0.4118	0.5882	0.0593	0.9390
localization	0.6982	0.0549	0.6982	0.6245	0.5787
lrs	0.8598	0.0289	0.8350	0.7949	0.0929
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8571	0.0571	0.8571	0.7418	0.1803
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9029	0.1238
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.4706	0.6839
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6981	0.0461
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.7761	0.0933	0.7808	0.5940	0.2100
lymphoma2	0.6667	0.0741	0.6667	0.5781	0.0694
madelon	0.7769	0.2231	0.7769	0.5538	0.7057
magic04	0.8127	0.1873	0.8127	0.5966	0.6575

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5245	0.7058
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.6261	0.3739	0.6261	0.2445	0.9029
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9050	0.0190	0.9050	0.8944	0.1113
mfeat-fou	0.7400	0.0520	0.7400	0.7111	0.2357
mfeat-kar	0.8350	0.0330	0.8350	0.8167	0.1890
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2167
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0992
mfeat-zer	0.7100	0.0580	0.7100	0.6778	0.2436
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4469	0.4308
mobile	0.6888	0.0111	0.6888	0.6831	0.1386
monks-1	0.9455	0.0545	0.9455	0.8908	0.2776
monks-2	0.9016	0.0984	0.9016	0.7821	0.4496
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7756	0.3804
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.8639
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3398	0.8563
MUT_ci300400a	0.8095	0.1905	0.8095	0.6102	0.6513
MUT_ci300400a_cdk_ECFP2	0.8058	0.1942	0.8058	0.6038	0.6575
myocardial	0.8118	0.0471	0.8118	0.3835	0.7228
naticusdroid	0.9700	0.0300	0.9700	0.9400	0.1817
nci9	0.1667	0.1852	0.1667	0.0625	0.1303
ncRNA10%	0.9139	0.0091	0.9139	0.7881	0.9465
newspop	0.5832	0.4168	0.5832	0.1648	0.9422
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9594	0.0406	0.9594	0.9002	0.2564
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0789	0.8399
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0700
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0167
oh0-wc	0.8614	0.0277	0.8614	0.8417	0.1495
oh10-wc	0.7714	0.0457	0.7714	0.7404	0.2322
oh15-wc	0.7391	0.0522	0.7391	0.7038	0.2653
oh5-wc	0.7143	0.0571	0.7143	0.6770	0.2715
opn310k	0.8281	0.1719	0.8281	0.2638	0.6428
opnat310k-hg16-17	0.9108	0.0871	0.9192	0.3696	0.6029
optdigits	0.9128	0.0174	0.9128	0.9031	0.1241
optdigitsZ	0.9840	0.0160	0.9840	0.9021	0.2459
orl	0.8250	0.0088	0.8250	0.8205	0.0286
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9328	0.0672	0.9328	0.2876	0.5768
ozone8hr	0.8656	0.1344	0.8656	-0.0165	0.7002
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9799	0.0080	0.9799	0.8926	0.3384

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	1.0000	0.0000	1.0000	1.0000	0.0000
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8819	0.1181	0.8819	0.7297	0.5069
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9550	0.0450	0.9550	0.6426	0.4761
pcmac	0.4485	0.5515	0.4485	-0.0901	1.0000
pd	0.8421	0.1579	0.8421	0.5932	0.6403
pediatric-leukemia	0.6471	0.1008	0.6471	0.5687	0.3129
pendigits	0.9663	0.0067	0.9663	0.9626	0.0544
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.4444	0.5556	0.4444	0.0000	0.8722
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4657	0.7415
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8906
P-Glycoprotein_c_RDkit_Atompair_FP	0.8016	0.1984	0.8016	0.6012	0.6621
P-Glycoprotein_RDkit_Atompair_FP	0.8500	0.1500	0.8500	0.6939	0.5468
Pgp_desc	0.7500	0.2500	0.7500	0.5098	0.6824
phishing	0.9714	0.0286	0.9714	0.9399	0.1774
phoneme	0.8667	0.1333	0.8667	0.6817	0.5682
phy	0.6420	0.3580	0.6420	0.2839	0.8885
pima	0.7237	0.2763	0.7237	0.4184	0.7983
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.6365	0.0727	0.6365	0.3706	0.7790
polish-1st	0.9075	0.0925	0.9075	0.2284	0.5409
polish-2nd	0.8918	0.1082	0.8918	0.2415	0.5082
polish-3rd	0.8667	0.1333	0.8667	0.1271	0.5331
polish-4th	0.8878	0.1122	0.8878	0.2769	0.5773
polish-5th	0.9069	0.0931	0.9069	0.4570	0.6078
polya	0.7676	0.2324	0.7676	0.4800	0.7371
popularity	0.5415	0.3057	0.5415	0.1275	0.7467
post-operative	0.4531	0.3744	0.4319	-0.3749	0.4972
postures	0.9739	0.0104	0.9739	0.9673	0.0665
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.2423	0.0650	0.2364	0.1664	0.2876
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9846	0.0062	0.9846	0.9794	0.0474
pufs-6410%	0.5009	0.4991	0.5009	0.0017	0.9994
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.8200	0.0277	0.8200	0.7636	0.2180
re1-wc	0.8494	0.0120	0.8494	0.8286	0.1246
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.6488	0.3512	0.6488	0.2792	0.8817
RT_IOT2022	0.9987	0.0002	0.9987	0.9967	0.0080
satimage	0.8445	0.0518	0.8445	0.8088	0.2339
satimageF	0.9844	0.0156	0.9844	0.9218	0.2346
satimageT	0.9145	0.0855	0.9145	0.5566	0.6009
scadi	0.7098	0.0878	0.7016	0.6384	0.1358
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.6176	0.3824	0.6176	0.2353	0.9116
secom	0.8590	0.1410	0.8590	0.0814	0.6252
secondary_mushroom	0.9992	0.0008	0.9992	0.9983	0.0077
segment	0.9264	0.0210	0.9264	0.9139	0.0880
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8450	0.1550	0.8450	0.0516	0.6162
semeion	0.9686	0.0314	0.9686	0.8213	0.3239
sens-1-gram	0.7368	0.2632	0.7368	0.0695	0.7355
sens-2-gram	0.7500	0.2500	0.7500	0.1339	0.7265
sens-3-gram	0.7474	0.2526	0.7474	0.1421	0.7210
sens-4-gram	0.7684	0.2316	0.7684	0.0659	0.7632
sensorless	0.9855	0.0026	0.9855	0.9840	0.0245
sepsis	0.5483	0.4517	0.5483	0.0897	0.4290
shoppers	0.8605	0.1395	0.8605	0.4827	0.6707
shuttle	0.9998	0.0000	0.9998	0.9995	0.0322
sick	0.9708	0.0292	0.9708	0.7768	0.4283
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9993	0.0063
smk_can_187	0.5789	0.4211	0.5789	0.1556	0.9466
solar-flare	0.7626	0.0791	0.7626	0.6978	0.2186
sonar	0.3500	0.6500	0.3500	-0.3000	1.0000
soybean	0.9559	0.0046	0.9559	0.9517	0.0313
spambase	0.9283	0.0717	0.9283	0.8501	0.3536
spect	0.6667	0.3333	0.6667	0.0899	0.8578
spectf	0.8571	0.1429	0.8571	0.6602	0.5894
spectrometer	0.5745	0.0079	0.5759	0.5687	0.1126
splice-EI	0.9432	0.0568	0.9432	0.8470	0.3262
splice-IE	0.8833	0.1167	0.8833	0.6597	0.5314
sport-articles	0.7400	0.2600	0.7400	0.4485	0.7756
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8051	0.1949	0.8051	0.4785	0.6987
steel-d	0.9590	0.0410	0.9590	0.4800	0.5710
steel_industry	0.9167	0.0556	0.9167	0.8647	0.2030
steel-k	0.9846	0.0154	0.9846	0.9533	0.1586
steel-o	0.7590	0.2410	0.7590	0.4818	0.7477
steel-p	0.9128	0.0872	0.9128	0.4668	0.6281
steel-s	0.9846	0.0154	0.9846	0.7617	0.0555
steel-z	0.9692	0.0308	0.9692	0.8401	0.3898
studentap	0.3846	0.4103	0.3846	0.0545	0.7975
student-weekend	0.3077	0.2769	0.3077	0.0682	0.7518
student-workday	0.6094	0.1562	0.6094	0.1757	0.7734
susy10%	0.7156	0.2844	0.7156	0.4285	0.8006
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	0.9996	0.0004	0.9996	0.9991	0.0060
tae	0.5333	0.3111	0.5333	0.3000	0.5673
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9127	0.0159	0.9127	0.9038	0.1124
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.1973	0.7712
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8766	0.1234	0.8766	0.6657	0.5615
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.5000	0.1667	0.5000	0.3043	0.2234
tox_171	0.4118	0.2941	0.4118	0.2202	0.4978
toxicity	0.6471	0.3529	0.6471	0.2273	0.8920
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0965	0.9113
trec11-wc	0.7805	0.0488	0.7805	0.7361	0.1648
trec12-wc	0.8710	0.0323	0.8710	0.8452	0.1189

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.6078	0.4069
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9507	0.0122	0.9524	0.9314	0.0706
trec41-wc	0.9091	0.0182	0.9091	0.8887	0.0890
trec45-wc	0.8986	0.0203	0.8986	0.8825	0.1100
tuandromd	0.9933	0.0067	0.9933	0.9792	0.0851
turkish	0.8000	0.1000	0.8000	0.7333	0.2880
tvnews	0.9372	0.0628	0.9372	0.8637	0.3184
urban	0.8060	0.0431	0.8060	0.7732	0.1899
vehicle	0.7381	0.1310	0.7381	0.6493	0.2301
vehicleVAN	0.9643	0.0357	0.9643	0.9000	0.1262
voice	0.6667	0.3333	0.6667	0.2500	0.8750
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.4747	0.0955	0.4747	0.4222	0.3041
vowelZ	0.9495	0.0505	0.9495	0.6784	0.4613
vrnormat310k-hg16-17	0.9219	0.0781	0.9258	0.3774	0.5168
wap-wc	0.6474	0.0353	0.6474	0.6067	0.3171
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0390
warppie10p	0.8095	0.0381	0.8095	0.7879	0.0863
watch-acc10%	0.9918	0.0023	0.9918	0.9904	0.0165
watch-gyr10%	0.9904	0.0027	0.9904	0.9888	0.0177
waveform	0.7480	0.1680	0.7480	0.6218	0.4960
web-phishing	0.8741	0.0840	0.8741	0.7786	0.3782
weight-lift	0.9941	0.0023	0.9941	0.9926	0.0183
white-clover	0.3482770467168439	0.3440	0.3306	-0.2116	0.3458
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9814	0.0186	0.9814	0.8325	0.4205
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.6352	0.1216	0.6352	0.4460	0.6195
winequality-white	0.6115	0.1110	0.6115	0.4369	0.6462
winnipeg	0.9974	0.0007	0.9974	0.9967	0.0129
yale	0.5000	0.0667	0.5000	0.4644	0.1040
yeast	0.4527	0.1095	0.4527	0.3106	0.4818
yeastCYT-POX	0.8776	0.1224	0.8776	0.3581	0.4422
yeastEXC	0.9595	0.0405	0.9595	0.3799	0.5788
yeastME1	1.0000	0.0000	1.0000	1.0000	0.0000
yeastME2	0.9189	0.0811	0.9189	0.2079	0.6255
zip	0.8785	0.0243	0.8785	0.8639	0.1774
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 22: Detailed results for EasyEnsemble

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0755	0.0543	0.0728	0.0250	0.6348
abalone19	0.7321	0.2679	0.7321	0.0208	0.0740
abalone9-18	0.6986	0.3014	0.6986	0.1897	0.3281
accelerometer	0.8528	0.1472	0.8528	0.1537	0.2545
ads	0.9360	0.0640	0.9360	0.7701	0.4689
adult	0.8073	0.1927	0.8073	0.5397	0.6554
AID1284Morered	0.6111	0.3889	0.6111	0.1897	0.5614
AID1284red	0.5278	0.4722	0.5278	0.1257	0.5303
AID_1431	0.5159	0.4841	0.5159	-0.0660	0.4635
AID1608Morered	0.5534	0.4466	0.5534	0.0992	0.3328
AID1608red	0.5437	0.4563	0.5437	0.0110	0.3341
AID_1878	0.6000	0.4000	0.6000	0.0956	0.7299
AID362red	0.7477	0.2523	0.7477	0.0268	0.1414
AID373AID439red	0.6817	0.3183	0.6817	0.0007	0.0015
AID373red	0.7112	0.2888	0.7112	0.0038	0.0104
AID439Morered	0.5714	0.4286	0.5714	-0.2353	0.7045
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.6754	0.3246	0.6754	0.0002	0.0292
AID600_MACCS	0.7059	0.2950	0.6961	0.3475	0.7908
AID_602330	0.6302	0.3698	0.6302	0.0285	0.2836
AID604	0.8690	0.1310	0.8690	0.0449	0.0723
AID604AID644_AllRed	0.8041	0.1959	0.8041	0.0065	0.0146
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.2000	0.8294
AID_652128	0.2828	0.4781	0.2828	-0.0423	0.4073
AID687AID721red	0.4679	0.5321	0.4679	0.0011	0.0033
AID687red	0.6287	0.3713	0.6287	0.0053	0.0256
AID688red	0.5715	0.4285	0.5715	0.0056	0.0686
AID721morered	0.1111	0.8889	0.1111	-0.2414	0.7352
AID721red	0.4444	0.5556	0.4444	0.1509	0.4711
AID746AID1284red	0.7297	0.2703	0.7297	0.0054	0.0106
AID746red	0.7208	0.2792	0.7208	0.0198	0.0607
AID_773	0.3333	0.6667	0.3333	-0.1096	0.4980
AID852_MACCS	0.8949	0.1069	0.8844	0.6749	0.4938
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.8315	0.0674	0.8315	0.7117	0.2588
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9416	0.0292	0.9416	0.8898	0.2663
anuran-f-b	0.9764	0.0236	0.9764	0.4059	0.4517
anuran-genus	0.9374	0.0156	0.9374	0.9000	0.2670
anuran-species	0.9625	0.0075	0.9625	0.9482	0.1220
aps-failure	0.9486	0.0514	0.9486	0.3892	0.4525
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.4000	0.0923	0.4000	0.3061	0.3732
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.5756	0.0275	0.5753	0.4981	0.0958
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.7500	0.0833	0.7500	0.6855	0.1908
avila	0.5472	0.0755	0.5472	0.4678	0.6119
balance	0.6774	0.2151	0.6774	0.4976	0.4278
bank	0.8534	0.1466	0.8534	0.5118	0.5691
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8825	0.1175	0.8825	0.7445	0.4969
basehock	0.9497	0.0503	0.9497	0.8995	0.2604
bio	0.9665	0.0335	0.9665	0.3302	0.4020
biodeg	0.8571	0.1429	0.8571	0.7042	0.5490
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.0245	0.0616	0.0400	-0.0051	0.1297
block10%	0.9982	0.0018	0.9982	0.8037	0.4603
block10%	0.9982	0.0018	0.9982	0.8037	0.4603
breast-cancer	0.6071	0.3929	0.6071	0.2376	0.7748
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.7000	0.0857	0.7000	0.5946	0.1601
bub10at310k-hg16-17	0.7929	0.2071	0.7929	0.3048	0.5661
bze_3d_rdkit_descriptors	0.8293	0.1707	0.8293	0.5550	0.6546
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.8908	0.0546	0.8908	0.7854	0.2652
card	0.8406	0.1594	0.8406	0.6774	0.5801
cardiotocography	0.8404	0.0319	0.8404	0.8126	0.1954
cardiotocography-nsp	0.8920	0.0720	0.8920	0.7311	0.4304
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.7053	0.4131
cas_N6512_cdk_ECFP2	0.7619	0.2381	0.7619	0.5231	0.7292
cdc_diabetes	0.5649	0.2901	0.5649	0.1812	0.4952
census10%	0.8252	0.1748	0.8252	0.3087	0.4779
central-nervous-system	0.6667	0.3333	0.6667	0.4000	0.5283
cervical-B	0.8837	0.1163	0.8837	0.4459	0.5661
cervical-C	0.7907	0.2093	0.7907	0.1010	0.4896
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9186	0.0814	0.9186	0.5871	0.5886
chemo_fontaine	0.8837	0.1163	0.8837	0.7603	0.4689
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9792	0.0208	0.9792	0.0785	0.1136
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7336	0.5122
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7304	0.5155
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.6421	0.3579	0.6421	0.2860	0.8509
cirrhosis	0.6190	0.2540	0.6190	0.3551	0.6270
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7278	0.1361	0.7278	0.6134	0.4763
climate	0.8333	0.1667	0.8333	0.3269	0.5540
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.7200	0.2800	0.7200	0.0909	0.6088
cmc	0.5170	0.3220	0.5170	0.2654	0.7290
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1199
codon_usage	0.6800	0.0582	0.6800	0.6243	0.4897
coil20	0.9306	0.0069	0.9306	0.9269	0.0471
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6552	0.3448	0.6552	0.3029	0.8275
colposcopies-2	0.7931	0.2069	0.7931	0.5445	0.6741
colposcopies-3	0.6897	0.3103	0.6897	0.3680	0.8334
colposcopies-4	0.5862	0.4138	0.5862	0.1031	0.8707

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.3940	0.6550
colposcopies-6	0.6897	0.3103	0.6897	0.3771	0.8327
colposcopies-c	0.6207	0.3793	0.6207	0.2276	0.7514
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.8387	0.1075	0.8387	0.7430	0.2410
connect-4	0.9537	0.0309	0.9537	0.4666	0.4904
cottonmeloidogyne	0.6683	0.3317	0.6683	0.3368	0.8587
coupon	0.7429	0.2571	0.7429	0.4792	0.7624
covtype	0.8042	0.0559	0.8042	0.7017	0.4266
covtypeCD	0.9756	0.0244	0.9756	0.9032	0.2950
covtypeT	0.9577	0.0423	0.9577	0.7407	0.4956
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.5360	0.6625
crowdsourced	0.8553	0.0482	0.8553	0.7333	0.4052
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4217	0.0910
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.8704	0.1296	0.8704	0.7422	0.4656
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.6154	0.3846	0.6154	0.1772	0.3467
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7177	0.2823	0.7177	0.3284	0.7506
deposit	0.8374	0.1626	0.8374	0.4792	0.5818
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.2500	0.5000	0.2500	0.0588	0.5228
dexter	0.8500	0.1500	0.8500	0.7000	0.5590
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5594	0.6940
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4587	0.3608	0.4587	0.1328	0.7691
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.7083	0.2917	0.7083	0.3731	0.7878
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5465	0.4535	0.5465	0.0959	0.9658
dropout	0.7291	0.1806	0.7291	0.5786	0.4769
drug-01	0.1543	0.2416	0.1543	-0.0042	0.8294
drug-02	0.3936	0.1733	0.3936	0.2240	0.7705
drug-03	0.1968	0.2295	0.1968	0.0295	0.7272
drug-04	0.3138	0.1960	0.3138	0.1718	0.7276
drug-05	0.1649	0.2386	0.1649	0.0140	0.6525
drug-06	0.3085	0.1976	0.3085	0.1901	0.6785
drug-07	0.2234	0.2219	0.2234	0.0506	0.8004
drug-08	0.2766	0.2067	0.2766	0.1002	0.7956
drug-09	0.3616	0.1877	0.3585	0.0186	0.5545
drug-10	0.2926	0.2021	0.2926	0.1108	0.7731
drug-11	0.4840	0.1474	0.4840	0.1336	0.5816
drug-12	0.2021	0.2280	0.2021	0.0510	0.5460
drug-13	0.3351	0.1900	0.3351	0.1453	0.6715
drug-14	0.4681	0.1520	0.4681	0.2883	0.7105
drug-15	0.3457	0.1869	0.3457	0.0893	0.6943
drug-16	0.3830	0.1763	0.3830	0.2056	0.6954
drug-17	0.2074	0.2264	0.2074	0.0744	0.8002
drug-18	0.2968	0.2701	0.3098	0.0021	0.0156
drug-19	0.3245	0.1930	0.3245	0.0681	0.5949
drybean	0.9221	0.0223	0.9221	0.9059	0.1271
ecoli	0.6765	0.0809	0.6765	0.5656	0.2397
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.6667	0.3333	0.6667	0.1418	0.5012
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.4488	0.0689	0.4488	0.4045	0.6632
eeg-eye	0.8992	0.1008	0.8992	0.7959	0.4352
EPA_FHM	0.8197	0.1803	0.8197	0.2808	0.5143
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2684	0.8698
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6739	0.5826
er_tox_rdkit_ATOMPAIR	0.8197	0.1803	0.8197	0.2959	0.4064
er_tox_rdkit_AVALON	0.9016	0.0984	0.9016	0.6440	0.5654
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8808	0.2805
er_tox_rdkit_MACCS	0.8548	0.1452	0.8548	0.3497	0.4422
er_tox_rdkit_MORGAN	0.8065	0.1935	0.8065	0.2749	0.3900
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5250	0.6438
er_tox_rdkit_TORSION	0.8387	0.1613	0.8387	0.3217	0.4238
eucalyptus	0.6027	0.1589	0.6027	0.5019	0.3912
euthyroid	0.9494	0.0506	0.9494	0.7434	0.4869
exon.vs.intron-freq	0.9747	0.0253	0.9747	0.9493	0.1595
fbis-wc	0.7642	0.0277	0.7642	0.7370	0.2490
fda.atompair_fp	0.5000	0.5000	0.5000	-0.1980	0.9394
fertility	0.5000	0.5000	0.5000	-0.1905	0.5180
flags	0.6000	0.1000	0.6000	0.5389	0.1838
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5289	0.0187	0.5109	0.5230	0.6402
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9899	0.0034	0.9899	0.9878	0.0250
gastrointestinal	0.6875	0.2083	0.6875	0.5480	0.3315
gender	0.4800	0.3467	0.4800	0.1625	0.7247
gene	0.9148	0.0568	0.9148	0.8647	0.2402
german	0.6800	0.3200	0.6800	0.3059	0.8542
gina	0.9107	0.0893	0.9107	0.8214	0.3991
glass	0.6190	0.1270	0.6190	0.5116	0.2852
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9091	0.0909	0.9091	0.6207	0.5283
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9091	0.0909	0.9091	0.4634	0.5000
glassVWFP	0.6667	0.3333	0.6667	0.1503	0.2820
gli_85	0.7500	0.2500	0.7500	0.5000	0.5283
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6803	0.5766
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.3333	0.3333	0.3333	0.1176	0.5622
haberman	0.6667	0.3333	0.6667	0.2105	0.8514
hapt	0.8957	0.0174	0.8957	0.8769	0.1494
har70	0.7652	0.0671	0.7652	0.6947	0.2276
harth10%	0.7996	0.0334	0.7996	0.7352	0.3287
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.2323	0.7856
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.7333	0.2667	0.7333	0.4444	0.5288

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8388	0.1612	0.8388	0.6776	0.5853
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.7162	0.2838	0.7162	0.4336	0.7938
higher	0.1429	0.2143	0.1429	0.0175	0.3957
hinselmann	0.6000	0.4000	0.6000	0.2857	0.5000
hiv1-proteasa	0.8583	0.1417	0.8583	0.5866	0.6058
hiva	0.7187	0.2813	0.7187	0.0592	0.2892
horse	0.6944	0.2037	0.6944	0.5171	0.5072
htru2	0.9581	0.0419	0.9581	0.7792	0.4605
ht-sensor	0.9997	0.0002	0.9997	0.9996	0.0018
hypothyroid	0.5198	0.2443	0.5041	0.1468	0.3289
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.5932	0.4068	0.5932	0.1561	0.8519
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7586	0.4155
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8126	0.0144	0.8126	0.8051	0.1666
jm1	0.6657	0.3343	0.6657	0.2356	0.7221
jvowels	0.9367	0.0141	0.9367	0.9284	0.1049
kc1	0.7488	0.2512	0.7488	0.3465	0.6553
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.3520	0.0644	0.3438	0.1350	0.1309
kc1-class-level-top5percentDF	0.5333	0.4667	0.5333	-0.1290	0.3873
kc2	0.7115	0.2885	0.7115	0.3345	0.7193
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.4610	0.0599	0.4610	0.4067	0.6307
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7937	0.0688	0.7937	0.7424	0.3610
la2s-wc	0.7848	0.0717	0.7848	0.7330	0.3617
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6917	0.0494
led24	0.6500	0.0700	0.6500	0.6089	0.1677
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9065	0.0072	0.9065	0.9027	0.1096
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8210	0.0673
linkage10%	0.9992	0.0008	0.9992	0.9048	0.3223
liver	0.5882	0.4118	0.5882	0.1765	0.8627
localization	0.5823	0.0760	0.5823	0.5129	0.6074
lrs	0.5794	0.0852	0.5983	0.4297	0.3208
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9048	0.0381	0.9048	0.8359	0.1342
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.6364	0.4256
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.5000	0.1429	0.5000	0.3846	0.1440
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.5088	0.2504
lymphoma2	0.4444	0.1235	0.4444	0.3919	0.1297
madelon	0.7846	0.2154	0.7846	0.5692	0.6906
magic04	0.8632	0.1368	0.8632	0.7048	0.5503

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5233	0.7171
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7603	0.3593
messidor	0.6261	0.3739	0.6261	0.2547	0.8910
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8435	0.1168
mfeat-fac	0.8950	0.0210	0.8950	0.8833	0.1241
mfeat-fou	0.7150	0.0570	0.7150	0.6833	0.2486
mfeat-kar	0.8500	0.0300	0.8500	0.8333	0.1740
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2221
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0994
mfeat-zer	0.7100	0.0580	0.7100	0.6778	0.2401
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4093	0.4490
mobile	0.7448	0.0091	0.7448	0.7401	0.1138
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9636	0.0364	0.9636	0.8672	0.3396
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8134
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.3049	0.8751
MUT_ci300400a	0.8559	0.1441	0.8559	0.7083	0.5476
MUT_ci300400a_cdk_ECFP2	0.8141	0.1859	0.8141	0.6256	0.6283
myocardial	0.4412	0.1397	0.4412	0.1500	0.4685
naticusdroid	0.9697	0.0303	0.9697	0.9393	0.1830
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.7014	0.0314	0.7014	0.4774	0.9368
newspop	0.6380	0.3620	0.6380	0.2781	0.8865
new-thyroid	0.8571	0.0952	0.8571	0.7000	0.2931
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9626	0.0374	0.9626	0.9093	0.2539
NPHA-doctor-visits	0.4167	0.3889	0.4167	0.1245	0.7462
nursery	0.6219	0.1512	0.6219	0.5024	0.2867
obs	0.9815	0.0093	0.9815	0.9727	0.0458
occupancy	0.9927	0.0073	0.9927	0.9796	0.0907
Occupancy_Estimation	0.9901	0.0049	0.9901	0.9702	0.0693
oh0-wc	0.9010	0.0198	0.9010	0.8871	0.1062
oh10-wc	0.7619	0.0476	0.7619	0.7312	0.2290
oh15-wc	0.8478	0.0304	0.8478	0.8274	0.1557
oh5-wc	0.7363	0.0527	0.7363	0.7039	0.2493
opn310k	0.8045	0.1955	0.8045	0.3269	0.5708
opnat310k-hg16-17	0.9124	0.0865	0.9217	0.3641	0.6119
optdigits	0.9413	0.0117	0.9413	0.9347	0.0860
optdigitsZ	0.9929	0.0071	0.9929	0.9569	0.1594
orl	0.8000	0.0100	0.8000	0.7949	0.0328
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.8379	0.1621	0.8379	0.2605	0.3649
ozone8hr	0.7787	0.2213	0.7787	0.2280	0.5221
p53-mutants10%	0.8885	0.1115	0.8885	-0.0062	0.0562
page-blocks	0.9232	0.0307	0.9232	0.6823	0.4438

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.9208	0.0792	0.9208	0.8133	0.4137
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.8198	0.1802	0.8198	0.3389	0.5093
pcmac	0.4948	0.5052	0.4948	0.0293	0.9474
pd	0.9342	0.0658	0.9342	0.8387	0.3610
pediatric-leukemia	0.8529	0.0420	0.8529	0.8240	0.1317
pendigits	0.9709	0.0058	0.9709	0.9676	0.0477
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.4444	0.5556	0.4444	0.0000	0.8722
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.6313	0.6110
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8631
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7143	0.5399
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6117	0.4472
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9673	0.0327	0.9673	0.9315	0.1998
phoneme	0.9019	0.0981	0.9019	0.7748	0.4553
phy	0.6696	0.3304	0.6696	0.3390	0.8578
pima	0.7500	0.2500	0.7500	0.4915	0.7425
plx	0.3333	0.6667	0.3333	-0.3333	0.9085
poker	0.1691	0.1662	0.1691	0.0081	0.9213
polish-1st	0.8563	0.1437	0.8563	0.2953	0.4092
polish-2nd	0.8417	0.1583	0.8417	0.1925	0.4232
polish-3rd	0.8248	0.1752	0.8248	0.2333	0.4417
polish-4th	0.8153	0.1847	0.8153	0.2695	0.4432
polish-5th	0.8579	0.1421	0.8579	0.3692	0.5565
polya	0.7514	0.2486	0.7514	0.4890	0.7296
popularity	0.4787	0.3475	0.4787	0.1978	0.6317
post-operative	0.2222	0.5185	0.2222	-0.0500	0.6119
postures	0.9782	0.0087	0.9782	0.9728	0.0565
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8832
primary-tumor	0.3636	0.0579	0.3636	0.3199	0.1455
profb	0.5672	0.4328	0.5672	0.1643	0.8500
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9892	0.0043	0.9892	0.9855	0.0407
pufs-6410%	0.5006	0.4994	0.5006	0.0012	0.9995
raisin	0.8444	0.1556	0.8444	0.6889	0.5731
re0-wc	0.6333	0.0564	0.6333	0.5662	0.4131
re1-wc	0.5904	0.0328	0.5904	0.5659	0.2542
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.6909	0.3091	0.6909	0.3894	0.7937
RT_IOT2022	0.9871	0.0022	0.9871	0.9676	0.0498
satimage	0.9005	0.0332	0.9005	0.8780	0.1602
satimageF	0.9798	0.0202	0.9798	0.9014	0.2937
satimageT	0.8694	0.1306	0.8694	0.5224	0.5659
scadi	0.5744	0.1258	0.5690	0.4438	0.1941
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.5588	0.4412	0.5588	0.1176	0.9547
secom	0.7372	0.2628	0.7372	0.1366	0.4549
secondary_mushroom	0.9995	0.0005	0.9995	0.9990	0.0057
segment	0.9307	0.0198	0.9307	0.9190	0.0795
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.7636	0.2364	0.7636	0.2157	0.4626
semeion	0.9811	0.0189	0.9811	0.9038	0.3038
sens-1-gram	0.6421	0.3579	0.6421	0.1288	0.6235
sens-2-gram	0.6789	0.3211	0.6789	0.2034	0.6144
sens-3-gram	0.6895	0.3105	0.6895	0.1906	0.6359
sens-4-gram	0.7026	0.2974	0.7026	0.1704	0.6625
sensorless	0.9860	0.0025	0.9860	0.9846	0.0241
sepsis	0.5344	0.4656	0.5344	0.0895	0.4181
shoppers	0.8346	0.1655	0.8346	0.5123	0.6254
shuttle	0.9495	0.0144	0.9495	0.8694	0.3873
sick	0.9735	0.0265	0.9735	0.8073	0.4253
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0090
smk_can_187	0.6316	0.3684	0.6316	0.2811	0.7662
solar-flare	0.6978	0.1007	0.6978	0.6257	0.2860
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9265	0.0077	0.9265	0.9199	0.0362
spambase	0.9348	0.0652	0.9348	0.8641	0.3323
spect	0.6296	0.3704	0.6296	0.2742	0.6680
spectf	0.8571	0.1429	0.8571	0.6602	0.5894
spectrometer	0.2843	0.0430	0.2731	0.2627	0.1941
splice-EI	0.9306	0.0694	0.9306	0.8288	0.3887
splice-IE	0.9432	0.0568	0.9432	0.8497	0.3657
sport-articles	0.7900	0.2100	0.7900	0.5711	0.6658
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.5061	0.6424
steel-d	0.8615	0.1385	0.8615	0.2306	0.3817
steel_industry	0.9172	0.0552	0.9172	0.8660	0.2106
steel-k	0.9897	0.0103	0.9897	0.9685	0.1057
steel-o	0.8256	0.1744	0.8256	0.6313	0.6201
steel-p	0.8718	0.1282	0.8718	0.4856	0.5471
steel-s	0.9692	0.0308	0.9692	0.6507	0.5227
steel-z	0.9590	0.0410	0.9590	0.8036	0.4389
studentap	0.4615	0.3590	0.4615	0.1875	0.6115
student-weekend	0.3692	0.2523	0.3692	0.1968	0.6529
student-workday	0.6562	0.1375	0.6562	0.3168	0.5815
susy10%	0.7829	0.2171	0.7829	0.5604	0.6943
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.7778	0.2222	0.7778	0.4545	0.7019
texture	0.9291	0.0129	0.9291	0.9218	0.0938
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.5745	0.4255	0.5745	-0.0562	0.6957
Thyroid_Diff	0.9211	0.0789	0.9211	0.8131	0.4145
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8856	0.1144	0.8856	0.7188	0.5215
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.8750	0.0417	0.8750	0.8333	0.0000
tox_171	0.4706	0.2647	0.4706	0.2884	0.5557
toxicity	0.6471	0.3529	0.6471	0.2273	0.8920
toxicity-13f	0.8235	0.1765	0.8235	0.6277	0.6246
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5200	0.4800	0.5200	-0.0393	0.8503
trec11-wc	0.9268	0.0163	0.9268	0.9116	0.0580
trec12-wc	0.8387	0.0403	0.8387	0.8096	0.1367

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7273	0.0909	0.7273	0.5714	0.3454
trec23-wc	0.9524	0.0159	0.9524	0.9338	0.0454
trec31-wc	0.9461	0.0124	0.9591	0.9347	0.0720
trec41-wc	0.8750	0.0250	0.8750	0.8507	0.1842
trec45-wc	0.8841	0.0232	0.8841	0.8661	0.1245
tuandromd	0.9798	0.0202	0.9798	0.9391	0.2079
turkish	0.7500	0.1250	0.7500	0.6667	0.3489
tvnews	0.9584	0.0416	0.9584	0.9102	0.2421
urban	0.8209	0.0398	0.8209	0.7916	0.1902
vehicle	0.8095	0.0952	0.8095	0.7429	0.1921
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5152	0.0882	0.5152	0.4667	0.3034
vowelZ	0.9596	0.0404	0.9596	0.7963	0.4472
vrnormat310k-hg16-17	0.9237	0.0778	0.9110	0.3754	0.5078
wap-wc	0.6218	0.0378	0.6218	0.5889	0.2934
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9983	0.0005	0.9983	0.9980	0.0050
watch-gyr10%	0.9989	0.0003	0.9989	0.9988	0.0034
waveform	0.7840	0.1440	0.7840	0.6759	0.4501
web-phishing	0.8593	0.0938	0.8593	0.7615	0.3932
weight-lift	0.9987	0.0005	0.9987	0.9984	0.0045
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9503	0.0497	0.9503	0.6430	0.5283
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.4151	0.1950	0.4151	0.2269	0.7119
winequality-white	0.3149	0.1957	0.3149	0.1349	0.7389
winnipeg	0.9822	0.0051	0.9822	0.9775	0.0785
yale	0.6250	0.0500	0.6250	0.6000	0.0880
yeast	0.4932	0.1014	0.4932	0.3795	0.5646
yeastCYT-POX	0.8163	0.1837	0.8163	0.2563	0.3673
yeastEXC	0.7838	0.2162	0.7838	0.1591	0.2575
yeastME1	0.9527	0.0473	0.9527	0.5141	0.5131
yeastME2	0.8378	0.1622	0.8378	0.3156	0.4187
zip	0.9301	0.0140	0.9301	0.9217	0.1133
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 23: Detailed results for XGBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1415	0.0592	0.1415	0.0573	0.5644
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9834	0.0166	0.9834	0.1559	0.1518
ads	0.9726	0.0274	0.9726	0.8785	0.1617
adult	0.8626	0.1374	0.8626	0.5765	0.5542
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.8095	0.1905	0.8095	0.1477	0.7218
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1981	0.9151
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9722	0.0139	0.9722	0.9466	0.0631
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9736	0.0066	0.9736	0.9562	0.0752
anuran-species	0.9708	0.0058	0.9708	0.9593	0.0469
aps-failure	0.9924	0.0076	0.9924	0.7484	0.2078
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.8444	0.0239	0.8444	0.7382	0.0937
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7473	0.0705
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8749	0.0208	0.8749	0.8354	0.1723
balance	0.8871	0.0753	0.8871	0.7925	0.2653
bank	0.9131	0.0869	0.9131	0.5279	0.5771
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8894	0.1106	0.8894	0.7487	0.4010
basehock	0.9246	0.0754	0.9246	0.8493	0.3000
bio	0.9973	0.0027	0.9973	0.8269	0.1144
biodeg	0.8952	0.1048	0.8952	0.7746	0.4452
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9865	0.0009	0.9865	1.0080	0.0367
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.3099	0.7764
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.1393
bub10at310k-hg16-17	0.9187	0.0813	0.9187	0.2837	0.4625
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5957	0.5032
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9138	0.0431	0.9138	0.8223	0.2800
card	0.8261	0.1739	0.8261	0.6465	0.6157
cardiotocography	0.8732	0.0254	0.8732	0.8476	0.1489
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8640	0.1248
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7213	0.2911
cas_N6512_cdk_ECFP2	0.7189	0.2811	0.7189	0.4377	0.7922
cdc_diabetes	0.8495	0.1004	0.8495	0.1545	0.2853
census10%	0.9535	0.0465	0.9535	0.4181	0.3550
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.8640	0.0514
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.7970	0.3704
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3528	0.8238
cirrhosis	0.8095	0.1270	0.8095	0.6056	0.2977
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7880	0.1060	0.7880	0.6563	0.3140
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5714	0.2857	0.5714	0.3298	0.6445
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0571
codon_usage	0.8826	0.0213	0.8826	0.8564	0.1515
coil20	0.9861	0.0014	0.9861	0.9854	0.0097
collins	0.9400	0.0080	0.9400	0.9340	0.0224
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6897	0.3103	0.6897	0.2965	0.8532
colposcopies-2	0.6897	0.3103	0.6897	0.2162	0.4644
colposcopies-3	0.5862	0.4138	0.5862	0.1256	0.9452
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4476	0.7886
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9825	0.0116	0.9825	0.3872	0.0346
cottonmeloidogyne	0.7668	0.2332	0.7668	0.5340	0.7177
coupon	0.7350	0.2650	0.7350	0.4492	0.7674
covtype	0.7605	0.0684	0.7605	0.6052	0.3111
covtypeCD	0.9821	0.0179	0.9821	0.9223	0.1601
covtypeT	0.9748	0.0252	0.9748	0.7899	0.2895
cox2_cdk_ECFP2	0.8913	0.1087	0.8913	0.6048	0.4821
crowdsourced	0.9364	0.0212	0.9364	0.8669	0.2069
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4375	0.0281	0.4375	0.4211	0.0815
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.8148	0.1852	0.8148	0.6213	0.6409
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8290	0.1710	0.8290	0.4085	0.6361
deposit	0.8989	0.1011	0.8989	0.4014	0.5876
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5294	0.3641
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.4985	0.7381
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5756	0.2829	0.5756	0.1639	0.5805
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.2000	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5736	0.4264	0.5736	0.1250	0.9097
dropout	0.7675	0.1550	0.7675	0.6076	0.4473
drug-01	0.3457	0.1869	0.3457	-0.0100	0.6440
drug-02	0.5053	0.1413	0.5053	0.1516	0.6082
drug-03	0.6862	0.0897	0.6862	0.1002	0.3566
drug-04	0.5000	0.1429	0.5000	0.1059	0.6509
drug-05	0.7287	0.0775	0.7287	-0.0081	0.2227
drug-06	0.4149	0.1672	0.4149	0.2603	0.5450
drug-07	0.4043	0.1702	0.4043	0.0193	0.4525
drug-08	0.5426	0.1307	0.5426	0.1557	0.6089
drug-09	0.8723	0.0365	0.8723	0.0699	0.1044
drug-10	0.5585	0.1261	0.5585	0.2012	0.4494
drug-11	0.8457	0.0441	0.8457	-0.0065	0.2227
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6277	0.1064	0.6277	0.2825	0.3879
drug-14	0.6011	0.1140	0.6011	0.3056	0.5352
drug-15	0.7606	0.0684	0.7606	0.0731	0.2717
drug-16	0.5904	0.1170	0.5904	0.3202	0.5297
drug-17	0.3830	0.1763	0.3830	0.1499	0.6053
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0169	0.2872
drybean	0.9280	0.0206	0.9280	0.9129	0.1199
ecoli	0.7941	0.0515	0.7941	0.7115	0.1176
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.4857	0.0643	0.4857	0.4282	0.5684
eeg-eye	0.8097	0.1903	0.8097	0.6115	0.6374
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.4658	0.6012
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7348	0.4678
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6183	0.6296
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6438	0.1425	0.6438	0.5400	0.3806
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9526	0.0474	0.9526	0.9048	0.2505
fbis-wc	0.8374	0.0191	0.8374	0.8147	0.1107
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.8000	0.0500	0.8000	0.7394	0.1123
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5500	0.0059	0.5500	0.5266	0.4278
forest	0.9038	0.0481	0.9038	0.8672	0.1255
gas	0.9806	0.0065	0.9806	0.9765	0.0441
gastrointestinal	0.8125	0.1250	0.8125	0.7055	0.2670
gender	0.5853	0.2765	0.5853	0.0944	0.5385
gene	0.9338	0.0442	0.9338	0.8943	0.1930
german	0.7400	0.2600	0.7400	0.3795	0.7565
gina	0.9424	0.0576	0.9424	0.8847	0.2935
glass	0.8095	0.0635	0.8095	0.7325	0.1864
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8571	0.1429	0.8571	0.6897	0.5637
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9533	0.0078	0.9533	0.9448	0.0498
har70	0.9011	0.0283	0.9011	0.8537	0.1213
harth10%	0.8577	0.0237	0.8577	0.8046	0.1576
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.8667	0.1333	0.8667	0.4444	0.2846

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8513	0.1487	0.8513	0.7027	0.5511
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.7115	0.2885	0.7115	0.4203	0.8066
higher	0.2857	0.1786	0.2857	0.1463	0.2944
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8769	0.1231	0.8769	0.4385	0.4805
hiva	0.9669	0.0331	0.9669	0.2129	0.3258
horse	0.6389	0.2407	0.6389	0.3961	0.5795
htru2	0.9793	0.0207	0.9793	0.8712	0.2334
ht-sensor	0.8949	0.0701	0.8949	0.8424	0.2526
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9947	0.0053	0.9947	0.9626	0.1146
ilpd	0.6780	0.3220	0.6780	0.0682	0.8756
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.7961	0.3975
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8665	0.0103	0.8665	0.8612	0.1171
jm1	0.8219	0.1781	0.8219	0.2150	0.6006
fvowels	0.9408	0.0132	0.9408	0.9329	0.0929
kc1	0.8531	0.1469	0.8531	0.2484	0.6183
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.0675
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.5754	0.0472	0.5754	0.5233	0.3910
krvskp	0.9592	0.0408	0.9592	0.9185	0.2215
la1s-wc	0.8603	0.0466	0.8603	0.8230	0.2284
la2s-wc	0.8609	0.0464	0.8609	0.8232	0.2117
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7231	0.0410
led24	0.5500	0.0900	0.5500	0.4972	0.2187
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8895	0.0085	0.8895	0.8850	0.1219
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7500	0.0333	0.7500	0.7316	0.1166
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.7353	0.2647	0.7353	0.4354	0.7621
localization	0.6271	0.0678	0.6271	0.5172	0.3994
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.7615	0.2385	0.7615	0.5231	0.7228
magic04	0.8695	0.1305	0.8695	0.7000	0.4853

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6449	0.6199
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6931	0.2046	0.6931	0.5321	0.4995
messidor	0.6261	0.3739	0.6261	0.2410	0.9053
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0483
mfeat-fou	0.8300	0.0340	0.8300	0.8111	0.1509
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0691
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2096
mfeat-pix	0.9450	0.0110	0.9450	0.9389	0.0662
mfeat-zer	0.7550	0.0490	0.7550	0.7278	0.1648
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3362	0.5273
mobile	0.8497	0.0054	0.8497	0.8469	0.0689
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9180	0.0820	0.9180	0.8164	0.3887
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9485	0.0515	0.9485	0.7780	0.2412
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8284
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3434	0.8529
MUT_ci300400a	0.8095	0.1905	0.8095	0.6099	0.6512
MUT_ci300400a_cdk_ECFP2	0.7734	0.2266	0.7734	0.5338	0.7181
myocardial	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid	0.9618	0.0382	0.9618	0.9236	0.2151
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.9144	0.0090	0.9144	0.7522	0.3059
newspop	0.6620	0.3380	0.6620	0.3162	0.8645
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9512	0.0488	0.9512	0.8799	0.2886
NPHA-doctor-visits	0.5000	0.3333	0.5000	0.0379	0.5594
nursery	0.9552	0.0179	0.9552	0.9337	0.0573
obs	0.9630	0.0185	0.9630	0.9453	0.0799
occupancy	0.9927	0.0073	0.9927	0.9797	0.0924
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9759	0.0163
oh0-wc	0.9307	0.0139	0.9307	0.9206	0.0664
oh10-wc	0.7714	0.0457	0.7714	0.7394	0.2028
oh15-wc	0.8587	0.0283	0.8587	0.8393	0.1346
oh5-wc	0.8132	0.0374	0.8132	0.7883	0.1656
opn310k	0.9200	0.0800	0.9200	0.3018	0.4601
opnat310k-hg16-17	0.9216	0.0784	0.9216	0.3156	0.4402
optdigits	0.9502	0.0100	0.9502	0.9446	0.0701
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.8250	0.0088	0.8250	0.8205	0.0307
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9249	0.0751	0.9249	0.2635	0.5646
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9872	0.0051	0.9872	0.9273	0.1045

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.9219	0.0781	0.9219	0.8061	0.4074
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.4794	0.5206	0.4794	-0.1617	1.0000
pd	0.8947	0.1053	0.8947	0.6863	0.3954
pediatric-leukemia	0.8235	0.0504	0.8235	0.7834	0.1520
pendigits	0.9809	0.0038	0.9809	0.9788	0.0330
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8351	0.1649	0.8351	0.6326	0.6190
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.7994
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.8815	0.1185	0.8815	0.7105	0.5321
phy	0.7190	0.2810	0.7190	0.4379	0.7955
pima	0.7763	0.2237	0.7763	0.5121	0.6903
plx	0.4444	0.5556	0.4444	-0.3846	0.9574
poker	0.6046	0.0791	0.6046	0.2411	0.2344
polish-1st	0.9829	0.0171	0.9829	0.7189	0.1802
polish-2nd	0.9715	0.0285	0.9715	0.4216	0.0891
polish-3rd	0.9571	0.0429	0.9571	0.2260	0.2828
polish-4th	0.9724	0.0276	0.9724	0.6613	0.2536
polish-5th	0.9594	0.0406	0.9594	0.6162	0.3491
polya	0.7795	0.2205	0.7795	0.4994	0.7083
popularity	0.6794	0.2137	0.6794	0.2332	0.4386
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.9506	0.0198	0.9506	0.9382	0.1056
pred-tox_mutagen_ref-desc	0.7353	0.2647	0.7353	0.4706	0.7633
primary-tumor	0.3939	0.0551	0.3939	0.3299	0.2292
profb	0.6866	0.3134	0.6866	0.2064	0.8487
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9656	0.0138	0.9656	0.9537	0.0756
pufs-6410%	0.5030	0.4970	0.5030	0.0061	0.9983
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8600	0.0215	0.8600	0.8207	0.2330
re1-wc	0.8735	0.0101	0.8735	0.8560	0.1052
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6633	0.3367	0.6633	0.2764	0.8650
RT_IOT2022	0.9984	0.0003	0.9984	0.9959	0.0029
satimage	0.8771	0.0410	0.8771	0.8478	0.1827
satimageF	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT	0.9347	0.0653	0.9347	0.5702	0.4464
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5588	0.4412	0.5588	0.1176	0.9547
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9306	0.0694	0.9306	0.8594	0.3385
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-2-gram	0.8711	0.1289	0.8711	0.1116	0.4810
sens-3-gram	0.8737	0.1263	0.8737	0.1843	0.5406
sens-4-gram	0.8579	0.1421	0.8579	0.0339	0.6032
sensorless	0.9756	0.0044	0.9756	0.9731	0.0366
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8897	0.1103	0.8897	0.5349	0.5873
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9915	0.0085	0.9915	0.9744	0.1122
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7770	0.0743	0.7770	0.7140	0.1854
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9261	0.0739	0.9261	0.8437	0.3436
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5094	0.0204	0.5094	0.4823	0.1316
splice-EI	0.9653	0.0347	0.9653	0.9113	0.2604
splice-IE	0.9369	0.0631	0.9369	0.8269	0.3814
sport-articles	0.8400	0.1600	0.8400	0.6490	0.5884
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8513	0.1487	0.8513	0.5398	0.6486
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8858	0.0761	0.8858	0.8149	0.2548
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.8000	0.2000	0.8000	0.5457	0.6792
steel-p	0.9282	0.0718	0.9282	0.4946	0.5864
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.3846	0.2462	0.3846	0.1634	0.6605
student-workday	0.7188	0.1125	0.7188	0.1933	0.2865
susy10%	0.7946	0.2054	0.7946	0.5818	0.6602
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0070
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7275
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9691	0.0056	0.9691	0.9659	0.0449
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9155	0.0845	0.9155	0.7592	0.3944
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.5882	0.2059	0.5882	0.4516	0.2827
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	-0.0141	0.8877
trec11-wc	0.9024	0.0217	0.9024	0.8811	0.0869
trec12-wc	0.8710	0.0323	0.8710	0.8462	0.1279

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8183	0.2280
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9574	0.0329
trec41-wc	0.9545	0.0091	0.9545	0.9447	0.0666
trec45-wc	0.9275	0.0145	0.9275	0.9151	0.0527
tuandromd	0.9843	0.0157	0.9843	0.9515	0.1548
turkish	0.7250	0.1375	0.7250	0.6333	0.2610
tvnews	0.8988	0.1012	0.8988	0.7800	0.4455
urban	0.8657	0.0299	0.8657	0.8428	0.1292
vehicle	0.7738	0.1131	0.7738	0.6955	0.2158
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8372	0.1628	0.8372	0.6760	0.5146
vowel	0.5455	0.0826	0.5455	0.5000	0.2764
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9213	0.0787	0.9213	0.2943	0.4129
wap-wc	0.8077	0.0192	0.8077	0.7842	0.1469
warpar10p	0.6154	0.0769	0.6154	0.5695	0.1128
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9130	0.0249	0.9130	0.8982	0.1201
watch-gyr10%	0.9099	0.0257	0.9099	0.8948	0.1199
waveform	0.8360	0.1093	0.8360	0.7540	0.3766
web-phishing	0.8593	0.0938	0.8593	0.7474	0.3579
weight-lift	0.9906	0.0038	0.9906	0.9881	0.0237
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9896	0.0104	0.9896	0.8925	0.2660
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6541	0.1153	0.6541	0.4343	0.3969
winequality-white	0.5481	0.1291	0.5481	0.2904	0.4965
winnipeg	0.9880	0.0034	0.9880	0.9848	0.0342
yale	0.7500	0.0333	0.7500	0.7322	0.0609
yeast	0.5743	0.0851	0.5743	0.4534	0.4082
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9333	0.0133	0.9333	0.9253	0.1066
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 24: Detailed results for GradientBoostingTrees

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0968	0.5096
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9831	0.0169	0.9831	0.0984	0.0586
ads	0.9665	0.0335	0.9665	0.8485	0.1787
adult	0.8538	0.1462	0.8538	0.5359	0.5549
AID1284Morered	0.7778	0.2222	0.7778	-0.1163	0.8180
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	0.0437	0.6386
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2304	0.8721
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9961	0.0039	0.9961	0.1383	0.4115
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.1994	0.5258
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7500	0.2500	0.7500	0.3056	0.7334
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9955	0.0045	0.9955	0.1154	0.5433
AID688red	0.9886	0.0114	0.9886	-0.0036	0.4944
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9925	0.0075	0.9925	-0.0024	0.4897
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9524	0.0790
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9722	0.0139	0.9722	0.9466	0.0622
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9569	0.0108	0.9569	0.9282	0.0979
anuran-species	0.9792	0.0042	0.9792	0.9709	0.0271
aps-failure	0.9907	0.0093	0.9907	0.6907	0.2849
arcene	0.9000	0.1000	0.9000	0.7826	0.2846
arrhythmia	0.8000	0.0308	0.8000	0.6680	0.1665
auction	0.9657	0.0343	0.9657	0.8257	0.1098
audiology	0.9130	0.0072	0.9130	0.9002	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8122	0.0313	0.8122	0.7476	0.2335
balance	0.8871	0.0753	0.8871	0.7870	0.1945
bank	0.9165	0.0835	0.9165	0.5178	0.5414
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8917	0.1083	0.8917	0.7521	0.3633
basehock	0.9146	0.0854	0.9146	0.8293	0.3213
bio	0.9968	0.0032	0.9968	0.7877	0.1365
biodeg	0.8667	0.1333	0.8667	0.7118	0.5200
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9828	0.0000	0.9992	0.1509	0.3279
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.2462	0.7021
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9177	0.0823	0.9177	0.2545	0.4446
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5553	0.2744
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9080	0.0460	0.9080	0.8070	0.2925
card	0.8406	0.1594	0.8406	0.6713	0.5861
cardiotocography	0.8498	0.0300	0.8498	0.8187	0.1575
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8279	0.2442
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7153	0.3132
cas_N6512_cdk_ECFP2	0.6928	0.3072	0.6928	0.3886	0.8184
cdc_diabetes	0.8495	0.1004	0.8495	0.1657	0.3026
census10%	0.9535	0.0465	0.9535	0.4265	0.3721
central-nervous-system	0.6667	0.3333	0.6667	0.4000	0.5283
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9997	0.0003	0.9997	0.8165	0.1696
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.5985	0.6406
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.6526	0.3474	0.6526	0.1872	0.8551
cirrhosis	0.7619	0.1587	0.7619	0.5195	0.4430
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7685	0.1157	0.7685	0.6201	0.3134
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5578	0.2948	0.5578	0.3070	0.6703
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0611
codon_usage	0.8626	0.0250	0.8626	0.8319	0.2040
coil20	0.9722	0.0028	0.9722	0.9708	0.0192
collins	0.9600	0.0053	0.9600	0.9559	0.0156
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7586	0.2414	0.7586	0.4249	0.7334
colposcopies-2	0.6897	0.3103	0.6897	0.2162	0.4644
colposcopies-3	0.6897	0.3103	0.6897	0.3185	0.7867
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	-0.1093	0.8449
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9833	0.0112	0.9833	0.4219	0.0336
cottonmeloidogyne	0.7692	0.2308	0.7692	0.5388	0.7142
coupon	0.6885	0.3115	0.6885	0.3440	0.8199
covtype	0.7454	0.0727	0.7454	0.5813	0.3592
covtypeCD	0.9617	0.0383	0.9617	0.8270	0.2695
covtypeT	0.9629	0.0371	0.9629	0.6745	0.3749
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.9207	0.0264	0.9207	0.8320	0.2304
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4062	0.0297	0.4062	0.3908	0.0991
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.7407	0.2593	0.7407	0.4638	0.7670
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8277	0.1723	0.8277	0.3969	0.6309
deposit	0.9016	0.0984	0.9016	0.3811	0.5404
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3684	0.5443
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5380	0.6517
diabetes	0.9038	0.0962	0.9038	0.7910	0.3835
diabetic10%	0.5796	0.2803	0.5796	0.1576	0.5360
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5646	0.4354	0.5646	0.0983	0.8646
dropout	0.7607	0.1595	0.7607	0.5960	0.4618
drug-01	0.3936	0.1733	0.3936	0.0538	0.6430
drug-02	0.5106	0.1398	0.5106	0.1203	0.5129
drug-03	0.6702	0.0942	0.6702	0.0400	0.4262
drug-04	0.5372	0.1322	0.5372	0.1220	0.5134
drug-05	0.7287	0.0775	0.7287	0.0223	0.3086
drug-06	0.4255	0.1641	0.4255	0.2738	0.5535
drug-07	0.4309	0.1626	0.4309	0.0525	0.4210
drug-08	0.5532	0.1277	0.5532	0.1394	0.4661
drug-09	0.8617	0.0395	0.8617	0.0841	0.2045
drug-10	0.5691	0.1231	0.5691	0.1914	0.5243
drug-11	0.8404	0.0456	0.8404	0.0421	0.2525
drug-12	0.7660	0.0669	0.7660	-0.0286	0.5234
drug-13	0.6277	0.1064	0.6277	0.2565	0.3706
drug-14	0.6277	0.1064	0.6277	0.3346	0.5609
drug-15	0.7660	0.0669	0.7660	0.0660	0.1846
drug-16	0.5851	0.1185	0.5851	0.3039	0.4335
drug-17	0.4309	0.1626	0.4309	0.2139	0.5174
drug-18	0.9734	0.0106	0.9734	-0.0043	0.0076
drug-19	0.7553	0.0699	0.7553	0.0289	0.4365
drybean	0.9206	0.0227	0.9206	0.9039	0.1278
ecoli	0.7353	0.0662	0.7353	0.6227	0.1670
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.4551	0.0681	0.4551	0.3935	0.5953
eeg-eye	0.7597	0.2403	0.7597	0.5050	0.7125
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7949	0.2051	0.7949	0.5315	0.5731
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6169	0.5922
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6742	0.5441
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6849	0.1260	0.6849	0.5916	0.3651
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9388	0.0612	0.9388	0.8769	0.2960
fbis-wc	0.8537	0.0172	0.8537	0.8334	0.1066
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6774	0.1498
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5365	0.0061	0.5365	0.5100	0.5539
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9784	0.0072	0.9784	0.9738	0.0471
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5958	0.2695	0.5958	0.1132	0.5185
gene	0.9274	0.0484	0.9274	0.8838	0.2109
german	0.7300	0.2700	0.7300	0.3216	0.7041
gina	0.9366	0.0634	0.9366	0.8732	0.3155
glass	0.6667	0.1111	0.6667	0.5318	0.2973
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8929	0.1071	0.8929	0.7823	0.4537
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2727	0.4340
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9488	0.0085	0.9488	0.9394	0.0810
har70	0.8990	0.0289	0.8990	0.8500	0.1305
harth10%	0.8480	0.0253	0.8480	0.7910	0.2080
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8406	0.1594	0.8406	0.6812	0.5798
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.6957	0.3043	0.6957	0.3876	0.8268
higher	0.2857	0.1786	0.2857	0.1813	0.3377
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8685	0.1315	0.8685	0.3714	0.4638
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.6667	0.2222	0.6667	0.4209	0.5539
htru2	0.9793	0.0207	0.9793	0.8682	0.1975
ht-sensor	0.8165	0.1224	0.8165	0.7253	0.3756
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.2313	0.7987
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8716	0.0099	0.8716	0.8665	0.1119
jm1	0.8246	0.1754	0.8246	0.1804	0.4824
jvowels	0.9177	0.0183	0.9177	0.9066	0.1206
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1011	0.8298
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.4791	0.0579	0.4791	0.4125	0.4641
krvskp	0.9467	0.0533	0.9467	0.8932	0.2792
la1s-wc	0.8603	0.0466	0.8603	0.8222	0.2082
la2s-wc	0.8576	0.0475	0.8576	0.8185	0.1965
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6609	0.0654
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8320	0.0129	0.8320	0.8252	0.1775
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6126	0.1672
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.8235	0.1765	0.8235	0.5546	0.5639
localization	0.5938	0.0738	0.5938	0.4714	0.4495
lrs	0.8113	0.0377	0.8113	0.7387	0.1536
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8525	0.0000
madelon	0.7692	0.2308	0.7692	0.5385	0.7143
magic04	0.8506	0.1494	0.8506	0.6525	0.5206

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6235	0.6412
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5459	0.4967
messidor	0.6783	0.3217	0.6783	0.3558	0.8394
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0522
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1773
mfeat-kar	0.9200	0.0160	0.9200	0.9111	0.0937
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.1922
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0624
mfeat-zer	0.7700	0.0460	0.7700	0.7444	0.1566
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5216	0.4338
mobile	0.7622	0.0085	0.7622	0.7579	0.1122
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.7869	0.2131	0.7869	0.4466	0.3968
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9273	0.0727	0.9273	0.6686	0.3102
mutagen_class_1	0.4412	0.5588	0.4412	-0.1176	1.0000
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7516
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2659	0.8890
MUT_ci300400a	0.7694	0.2306	0.7694	0.5275	0.7235
MUT_ci300400a_cdk_ECFP2	0.7470	0.2530	0.7470	0.4812	0.7596
myocardial	0.8765	0.0309	0.8765	0.4154	0.3240
naticusdroid	0.9454	0.0546	0.9454	0.8909	0.2720
nci9	0.3333	0.1481	0.3333	0.2258	0.1274
ncRNA10%	0.9120	0.0093	0.9120	0.7459	0.4360
newspop	0.6642	0.3358	0.6642	0.3200	0.8603
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9405	0.0595	0.9405	0.8521	0.3237
NPHA-doctor-visits	0.5000	0.3333	0.5000	-0.0165	0.5418
nursery	0.9498	0.0201	0.9498	0.9257	0.0627
obs	0.9537	0.0231	0.9537	0.9315	0.0938
occupancy	0.9908	0.0092	0.9908	0.9743	0.1107
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9729	0.0180
oh0-wc	0.9406	0.0119	0.9406	0.9320	0.0617
oh10-wc	0.7238	0.0552	0.7238	0.6842	0.2366
oh15-wc	0.8804	0.0239	0.8804	0.8638	0.1121
oh5-wc	0.8132	0.0374	0.8132	0.7883	0.1572
opn310k	0.9184	0.0816	0.9184	0.2634	0.4390
opnat310k-hg16-17	0.9215	0.0785	0.9215	0.2881	0.3927
optdigits	0.9431	0.0114	0.9431	0.9367	0.0779
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.6250	0.0187	0.6250	0.6154	0.0753
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0760
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9289	0.0711	0.9289	0.2258	0.4618
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9872	0.0051	0.9872	0.9273	0.1045

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9075	0.0925	0.9075	0.7670	0.4464
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5412	0.4588	0.5412	-0.0641	0.8805
pd	0.9079	0.0921	0.9079	0.7200	0.2379
pediatric-leukemia	0.8235	0.0504	0.8235	0.7862	0.1887
pendigits	0.9672	0.0066	0.9672	0.9636	0.0523
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6556	0.5669
P-Glycoprotein_b_Substrate	0.7200	0.2800	0.7200	0.4400	0.7583
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7455	0.5050
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.4898	0.7465
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9469	0.0531	0.9469	0.8885	0.2836
phoneme	0.8519	0.1481	0.8519	0.6202	0.5924
phy	0.7060	0.2940	0.7060	0.4118	0.8123
pima	0.7105	0.2895	0.7105	0.3489	0.7670
plx	0.7222	0.2778	0.7222	0.1509	0.7953
poker	0.5838	0.0832	0.5838	0.1940	0.2255
polish-1st	0.9787	0.0213	0.9787	0.6243	0.1984
polish-2nd	0.9646	0.0354	0.9646	0.1759	0.1047
polish-3rd	0.9524	0.0476	0.9524	0.1265	0.3893
polish-4th	0.9602	0.0398	0.9602	0.4346	0.3018
polish-5th	0.9560	0.0440	0.9560	0.5600	0.3265
polya	0.7632	0.2368	0.7632	0.4443	0.7084
popularity	0.6694	0.2204	0.6694	0.1886	0.4298
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.9174	0.0330	0.9174	0.8967	0.1605
pred-tox_mutagen_ref-desc	0.7059	0.2941	0.7059	0.4118	0.8115
primary-tumor	0.3939	0.0551	0.3939	0.3340	0.2041
profb	0.7164	0.2836	0.7164	0.2427	0.7434
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9484	0.0206	0.9484	0.9304	0.1009
pufs-6410%	0.5007	0.4993	0.5007	0.0014	0.9993
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8467	0.0236	0.8467	0.7974	0.2306
re1-wc	0.8253	0.0140	0.8253	0.8019	0.1890
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6270	0.3730	0.6270	0.1703	0.8788
RT_IOT2022	0.9967	0.0006	0.9967	0.9916	0.0168
satimage	0.8849	0.0384	0.8849	0.8578	0.1736
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9362	0.0638	0.9362	0.5838	0.4416
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	1.0000	0.0000	1.0000	1.0000	0.0000
schizo	0.6176	0.3824	0.6176	0.2353	0.8487
secom	0.9487	0.0513	0.9487	0.3188	0.1394
secondary_mushroom	0.8577	0.1423	0.8577	0.7106	0.5417
segment	0.9610	0.0111	0.9610	0.9544	0.0486
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-3-gram	0.8737	0.1263	0.8737	0.0934	0.3668
sens-4-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sensorless	0.9644	0.0065	0.9644	0.9609	0.0496
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8946	0.1054	0.8946	0.5554	0.5700
shuttle	0.9978	0.0006	0.9978	0.9937	0.0640
sick	0.9735	0.0265	0.9735	0.7686	0.3227
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9840	0.0160	0.9840	0.9524	0.1728
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.7770	0.0743	0.7770	0.7132	0.1772
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0123
spambase	0.9283	0.0717	0.9283	0.8478	0.3283
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8286	0.1714	0.8286	0.5532	0.6369
spectrometer	0.5660	0.0181	0.5660	0.5412	0.1146
splice-EI	0.9527	0.0473	0.9527	0.8791	0.3179
splice-IE	0.9274	0.0726	0.9274	0.8054	0.4226
sport-articles	0.8600	0.1400	0.8600	0.6963	0.5487
squash-stored	0.8000	0.1333	0.8000	0.6667	0.1393
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8718	0.1282	0.8718	0.5882	0.5854
steel-d	0.9795	0.0205	0.9795	0.5899	0.3873
steel_industry	0.8810	0.0793	0.8810	0.8068	0.2531
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.8154	0.1846	0.8154	0.5605	0.5887
steel-p	0.9282	0.0718	0.9282	0.4622	0.5763
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8834	0.2660
studentap	0.3846	0.4103	0.3846	0.0545	0.6627
student-weekend	0.4154	0.2338	0.4154	0.1843	0.6211
student-workday	0.7188	0.1125	0.7188	0.1994	0.4586
susy10%	0.7877	0.2123	0.7877	0.5676	0.6741
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9745	0.0046	0.9745	0.9719	0.0363
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9158	0.0842	0.9158	0.7992	0.2428
tis	0.9125	0.0875	0.9125	0.7491	0.3979
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7200	0.2800	0.7200	-0.0194	0.8272
trec11-wc	0.8780	0.0271	0.8780	0.8509	0.1007
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7672	0.2565
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9318	0.0136	0.9318	0.9169	0.0854
trec45-wc	0.9420	0.0116	0.9420	0.9323	0.0407
tuandromd	0.9709	0.0291	0.9709	0.9099	0.2396
turkish	0.7750	0.1125	0.7750	0.7000	0.2747
tvnews	0.8843	0.1157	0.8843	0.7458	0.4776
urban	0.8507	0.0332	0.8507	0.8251	0.1378
vehicle	0.8452	0.0774	0.8452	0.7923	0.1563
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.4000	0.7643
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5455	0.0826	0.5455	0.5000	0.2921
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9174	0.0826	0.9174	0.2076	0.3678
wap-wc	0.8269	0.0173	0.8269	0.8063	0.1279
warpar10p	0.7692	0.0462	0.7692	0.7383	0.0811
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8392	0.0459	0.8392	0.8117	0.2150
watch-gyr10%	0.8440	0.0446	0.8440	0.8177	0.2103
waveform	0.8420	0.1053	0.8420	0.7630	0.3666
web-phishing	0.8444	0.1037	0.8444	0.7208	0.4333
weight-lift	0.9391	0.0244	0.9391	0.9229	0.1221
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9855	0.0145	0.9855	0.8297	0.1734
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.3911	0.4297
winequality-white	0.5399	0.1315	0.5399	0.2700	0.5007
winnipeg	0.9832	0.0048	0.9832	0.9787	0.0440
yale	0.6250	0.0500	0.6250	0.5983	0.1066
yeast	0.5743	0.0851	0.5743	0.4490	0.3717
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9108	0.0178	0.9108	0.9000	0.1358
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 25: Detailed results for HistGradientBoostingTrees

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1535	0.0584	0.1535	0.0645	0.4434
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9841	0.0159	0.9841	0.3929	0.4280
ads	0.9787	0.0213	0.9787	0.9073	0.1433
adult	0.8694	0.1306	0.8694	0.6129	0.5636
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8381	0.1619	0.8381	0.2947	0.6359
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9965	0.0035	0.9965	-0.0003	0.0682
AID373red	0.9955	0.0045	0.9955	0.1276	0.3234
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3127	0.8572
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9994	0.0006	0.9994	0.9029	0.0037
AID604AID644_AllRed	0.9960	0.0040	0.9960	0.0755	0.3354
AID644Morered	0.5500	0.4500	0.5500	-0.1250	0.9680
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9927	0.0073	0.9927	-0.0011	0.1186
AID687red	0.9924	0.0076	0.9924	0.1345	0.4634
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9958	0.0042	0.9958	-0.0015	0.3064
AID746red	0.9928	0.0072	0.9928	0.2149	0.5136
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9917	0.0042	0.9917	0.9841	0.0246
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9917	0.0021	0.9917	0.9863	0.0450
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0191
aps-failure	0.9928	0.0072	0.9928	0.7755	0.2670
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7556	0.0376	0.7556	0.6087	0.2555
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6522	0.0290	0.6522	0.5938	0.0929
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8000	0.1294
avila	0.9339	0.0110	0.9339	0.9131	0.1292
balance	0.8710	0.0860	0.8710	0.7735	0.3032
bank	0.9165	0.0835	0.9165	0.5546	0.5682
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7942	0.3816
basehock	0.9648	0.0352	0.9648	0.9297	0.1892
bio	0.9975	0.0025	0.9975	0.8449	0.1291
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9781	0.0040	0.9886	0.1647	0.3176
block10%	0.9999	0.0001	0.9999	0.9928	0.0211
block10%	0.9999	0.0001	0.9999	0.9928	0.0211
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1595
bridges	0.6000	0.1143	0.6000	0.4667	0.1012
bub10at310k-hg16-17	0.9223	0.0777	0.9223	0.3718	0.5032
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8873	0.0225	0.8873	0.8650	0.1277
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8677	0.1902
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7260	0.2722
cas_N6512_cdk_ECFP2	0.7665	0.2335	0.7665	0.5290	0.7244
cdc_diabetes	0.8510	0.0993	0.8510	0.2141	0.3162
census10%	0.9535	0.0465	0.9535	0.4795	0.4550
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9302	0.0698	0.9302	0.2229	0.5285
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9984	0.0016	0.9984	0.4096	0.5216
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4057	0.7969
cirrhosis	0.8095	0.1270	0.8095	0.6056	0.2977
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8657	0.0671	0.8657	0.7910	0.2969
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5714	0.2857	0.5714	0.3248	0.6744
cnae-9	0.8611	0.0309	0.8611	0.8438	0.1399
codon_usage	0.8956	0.0190	0.8956	0.8730	0.1900
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9800	0.0027	0.9800	0.9780	0.0067
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.7241	0.2759	0.7241	0.4171	0.7845
colposcopies-2	0.7586	0.2414	0.7586	0.4377	0.6462
colposcopies-3	0.5862	0.4138	0.5862	0.1471	0.9416
colposcopies-4	0.8621	0.1379	0.8621	0.5915	0.3064

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9930	0.0046	0.9930	0.8324	0.1694
cottonmeloidogyne	0.7837	0.2163	0.7837	0.5675	0.6913
coupon	0.7579	0.2421	0.7579	0.4993	0.7357
covtype	0.7806	0.0627	0.7806	0.6417	0.3354
covtypeCD	0.9945	0.0055	0.9945	0.9768	0.0776
covtypeT	0.9881	0.0119	0.9881	0.9074	0.2121
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5475	0.5986
crowdsourced	0.9650	0.0117	0.9650	0.9279	0.0888
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.4062	0.0297	0.4062	0.3896	0.0783
cyclopentane	0.5926	0.4074	0.5926	0.1681	0.9372
cylinder-bands	0.7963	0.2037	0.7963	0.5858	0.6749
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8283	0.1717	0.8283	0.4099	0.6431
deposit	0.9078	0.0922	0.9078	0.5054	0.5841
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4839	0.2059
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4676	0.7578
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5747	0.2836	0.5747	0.1951	0.6140
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5988	0.4012	0.5988	0.1885	0.9261
dropout	0.7743	0.1505	0.7743	0.6251	0.4619
drug-01	0.2819	0.2052	0.2819	-0.0505	0.7154
drug-02	0.4894	0.1459	0.4894	0.1221	0.6326
drug-03	0.6223	0.1079	0.6223	0.0221	0.4890
drug-04	0.4574	0.1550	0.4574	0.0666	0.7687
drug-05	0.7128	0.0821	0.7128	0.0040	0.3472
drug-06	0.3564	0.1839	0.3564	0.1993	0.6315
drug-07	0.4096	0.1687	0.4096	0.0429	0.5024
drug-08	0.5266	0.1353	0.5266	0.1547	0.5797
drug-09	0.8670	0.0380	0.8670	0.1172	0.3114
drug-10	0.5372	0.1322	0.5372	0.2020	0.5933
drug-11	0.8245	0.0502	0.8245	0.0638	0.4747
drug-12	0.7713	0.0654	0.7713	0.0580	0.4485
drug-13	0.6117	0.1109	0.6117	0.2811	0.4313
drug-14	0.5691	0.1231	0.5691	0.2531	0.6329
drug-15	0.7553	0.0699	0.7553	0.1924	0.5549
drug-16	0.5532	0.1277	0.5532	0.2719	0.5433
drug-17	0.3457	0.1869	0.3457	0.1384	0.7376
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.1458	0.4309
drybean	0.9229	0.0220	0.9229	0.9067	0.1222
ecoli	0.7647	0.0588	0.7647	0.6695	0.1715
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.5634	0.0546	0.5634	0.5157	0.5201
eeg-eye	0.8892	0.1108	0.8892	0.7746	0.4540
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7407	0.4940
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6849	0.1260	0.6849	0.5918	0.3434
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9746	0.0254	0.9746	0.9490	0.1586
fbis-wc	0.8943	0.0124	0.8943	0.8801	0.0611
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6845	0.0975
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.3969	0.0079	0.3969	0.3708	1.0000
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9942	0.0019	0.9942	0.9930	0.0132
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5516	0.2989	0.5516	0.0716	0.6288
gene	0.9495	0.0336	0.9495	0.9190	0.1531
german	0.7000	0.3000	0.7000	0.2405	0.7630
gina	0.9568	0.0432	0.9568	0.9136	0.2321
glass	0.7619	0.0794	0.7619	0.6698	0.2551
glassBWFP	0.7619	0.2381	0.7619	0.4560	0.6789
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1768	0.5058
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.5425	0.0762	0.5425	0.4575	0.4207
har70	0.9231	0.0220	0.9231	0.8858	0.2450
harth10%	0.8699	0.0217	0.8699	0.8221	0.2380
hayes-roth	0.5625	0.2917	0.5625	0.3212	0.6135
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8642	0.1358	0.8642	0.7286	0.5215
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.7341	0.2659	0.7341	0.4659	0.7749
higher	0.2857	0.1786	0.2857	0.1411	0.3168
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9207	0.0793	0.9207	0.6969	0.4458
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6944	0.2037	0.6944	0.4560	0.5235
htru2	0.9793	0.0207	0.9793	0.8720	0.2411
ht-sensor	0.9997	0.0002	0.9997	0.9995	0.0020
hypothyroid	0.9947	0.0027	0.9947	0.9680	0.0164
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.1690	0.8638
immuno-therapy	0.6667	0.3333	0.6667	-0.1739	0.9159
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9281	0.0055	0.9281	0.9252	0.0667
jm1	0.8274	0.1726	0.8274	0.2752	0.6274
fvowels	0.9930	0.0016	0.9930	0.9920	0.0132
kc1	0.8720	0.1280	0.8720	0.3665	0.5495
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.0522
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8462	0.1538	0.8462	0.4680	0.6202
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6185	0.0424	0.6185	0.5722	0.4306
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.9079	0.0307	0.9079	0.8836	0.1584
la2s-wc	0.9172	0.0276	0.9172	0.8956	0.1598
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6304	0.0726
led24	0.6500	0.0700	0.6500	0.6067	0.1603
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9620	0.0029	0.9620	0.9605	0.0446
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0673
linkage10%	0.9999	0.0001	0.9999	0.9881	0.0511
liver	0.7941	0.2059	0.7941	0.5182	0.7036
localization	0.7037	0.0539	0.7037	0.6213	0.4482
lrs	0.8302	0.0340	0.8302	0.7633	0.1039
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.8423	0.1577	0.8423	0.6846	0.5760
magic04	0.8864	0.1136	0.8864	0.7451	0.4739

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5636	0.6896
MAO_MACCS	0.7143	0.2857	0.7143	0.4167	0.8058
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.7217	0.2783	0.7217	0.4232	0.7872
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0379
mfeat-fou	0.8350	0.0330	0.8350	0.8167	0.1416
mfeat-kar	0.9750	0.0050	0.9750	0.9722	0.0315
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2087
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-zer	0.7950	0.0410	0.7950	0.7722	0.1195
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4601
mobile	0.9021	0.0035	0.9021	0.9003	0.0454
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9848	0.0152	0.9848	0.9396	0.0605
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6623
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4661	0.7605
MUT_ci300400a	0.8509	0.1491	0.8509	0.6936	0.5614
MUT_ci300400a_cdk_ECFP2	0.8118	0.1882	0.8118	0.6099	0.6460
myocardial	0.8882	0.0279	0.8882	0.4439	0.0935
naticusdroid	0.9703	0.0297	0.9703	0.9407	0.1801
nci9	0.8333	0.0370	0.8333	0.8000	0.0440
ncRNA10%	0.9110	0.0094	0.9110	0.7519	0.7228
newspop	0.6799	0.3201	0.6799	0.3536	0.8451
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9669	0.0331	0.9669	0.9188	0.2209
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0630	0.7868
nursery	0.9506	0.0198	0.9506	0.9277	0.1150
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.8713	0.0257	0.8713	0.8523	0.1168
oh10-wc	0.7810	0.0438	0.7810	0.7514	0.2080
oh15-wc	0.8152	0.0370	0.8152	0.7897	0.1760
oh5-wc	0.8022	0.0396	0.8022	0.7759	0.1789
opn310k	0.9253	0.0747	0.9253	0.4174	0.5057
opnat310k-hg16-17	0.9278	0.0722	0.9278	0.4375	0.4864
optdigits	0.9662	0.0068	0.9662	0.9624	0.0483
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9360	0.0256	0.9360	0.6404	0.3564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.8000	0.2000	0.8000	0.5455	0.4011
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.9403	0.0597	0.9403	0.8528	0.3437
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4794	0.5206	0.4794	-0.1031	1.0000
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9945	0.0011	0.9945	0.9939	0.0103
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6504	0.5924
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9755	0.0245	0.9755	0.9482	0.1381
phoneme	0.9111	0.0889	0.9111	0.7820	0.4451
phy	0.7384	0.2616	0.7384	0.4767	0.7670
pima	0.7368	0.2632	0.7368	0.4225	0.7566
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.6204	0.0759	0.6204	0.2754	0.6084
polish-1st	0.9815	0.0185	0.9815	0.6744	0.0639
polish-2nd	0.9744	0.0256	0.9744	0.5550	0.2909
polish-3rd	0.9619	0.0381	0.9619	0.4278	0.3976
polish-4th	0.9724	0.0276	0.9724	0.6892	0.3547
polish-5th	0.9712	0.0288	0.9712	0.7389	0.2318
polya	0.8000	0.2000	0.8000	0.5556	0.6801
popularity	0.6847	0.2102	0.6847	0.2723	0.4970
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9971	0.0012	0.9971	0.9963	0.0096
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.3636	0.0579	0.3636	0.2936	0.2488
profb	0.7015	0.2985	0.7015	0.2725	0.8402
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9964	0.0014	0.9964	0.9952	0.0131
pufs-6410%	0.4971	0.5029	0.4971	-0.0058	1.0000
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8733	0.0195	0.8733	0.8368	0.1644
re1-wc	0.8313	0.0135	0.8313	0.8075	0.1321
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7068	0.2932	0.7068	0.3937	0.8178
RT_IOT2022	0.9896	0.0017	0.9896	0.9739	0.1341
satimage	0.9160	0.0280	0.9160	0.8964	0.1431
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9518	0.0482	0.9518	0.7089	0.3925
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9997	0.0003	0.9997	0.9993	0.0042
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.2346	0.5292
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sens-2-gram	0.8737	0.1263	0.8737	0.1412	0.4751
sens-3-gram	0.8868	0.1132	0.8868	0.2783	0.4458
sens-4-gram	0.8763	0.1237	0.8763	0.1701	0.4692
sensorless	0.9985	0.0003	0.9985	0.9983	0.0035
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8986	0.1014	0.8986	0.5735	0.5559
shuttle	0.9953	0.0013	0.9953	0.9869	0.1684
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9990	0.0081
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7626	0.0791	0.7626	0.6972	0.2261
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9478	0.0522	0.9478	0.8909	0.2817
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.5849	0.0173	0.5849	0.5610	0.1156
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9495	0.0505	0.9495	0.8615	0.3301
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	0.6000	0.2667	0.6000	0.3750	0.4000
squash-unstored	0.4000	0.4000	0.4000	0.0000	0.2619
steel-b	0.9026	0.0974	0.9026	0.6929	0.4949
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.9150	0.0567	0.9150	0.8617	0.2040
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8308	0.1692	0.8308	0.6129	0.6066
steel-p	0.9333	0.0667	0.9333	0.4840	0.5404
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.3692	0.2523	0.3692	0.1364	0.6789
student-workday	0.7031	0.1187	0.7031	0.2205	0.3434
susy10%	0.8030	0.1970	0.8030	0.5991	0.6449
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9836	0.0030	0.9836	0.9820	0.0255
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9211	0.0789	0.9211	0.8131	0.4145
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9192	0.0808	0.9192	0.7750	0.4067
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5342	0.2560
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.5882	0.4118	0.5882	0.0630	0.9501
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.1398	0.9213
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9659	0.0068	0.9659	0.9583	0.0329
trec45-wc	0.9855	0.0029	0.9855	0.9831	0.0066
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.6750	0.1625	0.6750	0.5667	0.3549
tvnews	0.9293	0.0707	0.9293	0.8472	0.3529
urban	0.8657	0.0299	0.8657	0.8430	0.1242
vehicle	0.7738	0.1131	0.7738	0.6947	0.2074
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5758	0.0771	0.5758	0.5333	0.2090
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9318	0.0682	0.9318	0.4957	0.4931
wap-wc	0.8526	0.0147	0.8526	0.8351	0.1173
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9759	0.0069	0.9759	0.9718	0.0434
watch-gyr10%	0.9778	0.0063	0.9778	0.9741	0.0421
waveform	0.8340	0.1107	0.8340	0.7510	0.3783
web-phishing	0.8667	0.0889	0.8667	0.7628	0.3790
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0036
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7233	0.0922	0.7233	0.5516	0.3112
winequality-white	0.6830	0.0906	0.6830	0.5162	0.3513
winnipeg	0.9903	0.0028	0.9903	0.9877	0.0525
yale	0.6250	0.0500	0.6250	0.6000	0.0873
yeast	0.5811	0.0838	0.5811	0.4579	0.3870
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9581	0.0084	0.9581	0.9530	0.0687
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 26: Detailed results for MEBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1731	0.0573	0.1763	0.0990	0.5124
abalone19	0.0072	0.9928	0.0072	0.0000	0.0204
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.4980	0.5020	0.4980	0.0318	0.0943
ads	0.8750	0.1250	0.8750	0.1733	0.2632
adult	0.7826	0.2174	0.7826	0.1270	0.4239
AID1284Morered	0.1389	0.8611	0.1389	0.0000	0.3050
AID1284red	0.1389	0.8611	0.1389	0.0000	0.3050
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.3883	0.6117	0.3883	-0.0112	0.3273
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.0210	0.9790	0.0210	0.0002	0.0396
AID373AID439red	0.0002	0.9998	0.0002	0.0000	0.0005
AID373red	0.0020	0.9980	0.0020	0.0000	0.0029
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.1429	0.8571	0.1429	0.0000	0.3113
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.3784	0.6216	0.3784	-0.0545	0.7199
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.0038	0.9962	0.0038	0.0000	0.0102
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.3000	0.7000	0.3000	0.0000	0.4809
AID644red	0.3000	0.7000	0.3000	0.0000	0.4809
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.0006	0.9994	0.0006	0.0000	0.0017
AID687red	0.0372	0.9628	0.0372	-0.0004	0.0120
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.2222	0.7778	0.2222	0.0000	0.4150
AID721red	0.2222	0.7778	0.2222	0.0000	0.4150
AID746AID1284red	0.0022	0.9978	0.0022	0.0000	0.0029
AID746red	0.0080	0.9920	0.0080	0.0000	0.0172
AID_773	0.1111	0.8889	0.1111	0.0000	0.2575
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.8333	0.1667	0.8333	0.6667	0.4644
anneal	0.9629	0.0091	0.9812	0.9642	0.0789
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.6147	0.1926	0.6147	0.0000	0.2485
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.5772	0.1057	0.5772	0.0000	0.2370
anuran-species	0.0944	0.1811	0.0944	0.0000	0.3111
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.4000	0.6000	0.4000	0.0000	0.5239
arrhythmia	0.0667	0.1436	0.0667	-0.0005	0.2697
auction	0.8725	0.1275	0.8725	0.0000	0.2639
audiology	0.9012	0.0072	0.9247	0.8880	0.0217
audit-risk	0.4103	0.5897	0.4103	0.0170	0.5245
autism-adolescent	0.3636	0.6364	0.3636	0.0000	0.5131
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	0.6897	0.3103	0.6897	0.3650	0.4882
autos	0.3500	0.2167	0.3500	0.0813	0.3155
avila	0.8019	0.0311	0.8318	0.7506	0.2369
balance	0.4839	0.3441	0.4839	0.0000	0.3289
bank	0.8874	0.1126	0.8874	0.0000	0.2427
banknote	0.5547	0.4453	0.5547	0.0000	0.5166

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.7442	0.2558	0.7442	0.3460	0.4311
basehock	0.5025	0.4975	0.5025	0.0000	0.5280
bio	0.9911	0.0089	0.9911	0.0000	0.0350
biodeg	0.6190	0.3810	0.6190	0.0000	0.4912
biomed	0.3810	0.6190	0.3810	0.0000	0.5189
bitcoin10%	0.9947	0.0000	1.0000	0.1516	0.3205
block10%	0.0037	0.9963	0.0037	0.0000	0.0105
block10%	0.0037	0.9963	0.0037	0.0000	0.0105
breast-cancer	0.7857	0.2143	0.7857	0.3226	0.3833
breast-cancer-co	0.5455	0.4545	0.5455	0.0000	0.5193
breast-cancer-ma	0.5455	0.4545	0.5455	0.0000	0.5193
breast-tissue	0.4545	0.1818	0.4545	0.2826	0.2341
bridges	0.3000	0.2000	0.3000	0.0000	0.3028
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.8293	0.1707	0.8293	0.3084	0.3295
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.7500	0.2500	0.7500	0.5294	0.5000
cancer	0.6522	0.3478	0.6522	0.0000	0.4732
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.5072	0.4928	0.5072	0.1292	0.5307
cardiotocography	0.1878	0.1624	0.1878	0.0612	0.3289
cardiotocography-nsp	0.5587	0.2942	0.5587	0.2060	0.3593
cargo2k	0.6650	0.2233	0.6650	0.5016	0.1728
cars	0.6250	0.2500	0.6250	0.0000	0.3255
cas_N6512_cdk_ECFP2	0.6574	0.3426	0.6574	0.3405	0.6746
cdc_diabetes	0.8430	0.1047	0.8430	0.0234	0.2105
census10%	0.9402	0.0598	0.9402	0.0000	0.1548
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9186	0.0814	0.9186	0.2058	0.1950
chemo_fontaine	0.3721	0.6279	0.3721	0.0000	0.5161
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.1385	0.7009
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.5101	0.3912
ci200186m_DESC_PADEL	0.6296	0.3704	0.6296	0.0000	0.4858
ci200186m_ExtendedFingerprinter	0.7455	0.2545	0.7455	0.3529	0.4308
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2683	0.7332
cirrhosis	0.3810	0.4127	0.3810	0.0000	0.3169
cjs	0.3607	0.2131	0.3607	0.1944	0.3860
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.1667	0.4167	0.1667	0.0003	0.3737
climate	0.0741	0.9259	0.0741	0.0000	0.1846
cil_sub_111	0.7500	0.1667	0.7500	0.6000	0.3320
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5170	0.3220	0.5170	0.1917	0.5493
cnae-9	0.1111	0.1975	0.1111	0.0000	0.4060
codon_usage	0.2180	0.1422	0.2180	0.0000	0.3202
coil20	0.9851	0.0027	0.9769	0.9579	0.0195
collins	0.5200	0.0640	0.5200	0.4604	0.1983
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.5862	0.4138	0.5862	0.0000	0.5057
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.5172	0.4828	0.5172	0.0000	0.5257
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.6774	0.3226	0.6774	0.0000	0.4574
column-3c	0.1935	0.5376	0.1935	0.0000	0.4148
connect-4	0.0357	0.6429	0.0357	0.0013	0.1618
cottonmeloidogyne	0.5433	0.4567	0.5433	0.0942	0.5836
coupon	0.6009	0.3991	0.6009	0.0862	0.5531
covtype	0.3704	0.1799	0.3704	-0.0042	0.2501
covtypeCD	0.3902	0.6098	0.3902	0.1020	0.3689
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.0230	0.3257	0.0230	0.0000	0.2607
cryotherapy	0.4444	0.5556	0.4444	0.0000	0.5302
cultivars	0.1562	0.0422	0.1562	0.1325	0.2138
cyclopentane	0.7037	0.2963	0.7037	0.4286	0.6809
cylinder-bands	0.4259	0.5741	0.4259	0.0000	0.5284
darwin	0.5000	0.5000	0.5000	0.0000	0.5283
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.7800	0.2200	0.7800	0.0104	0.3976
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.7568	0.0811	0.7568	0.6928	0.1402
desharnais	0.6250	0.2500	0.6250	0.0000	0.3193
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.7368	0.2632	0.7368	0.3851	0.5660
diabetes	0.6154	0.3846	0.6154	0.0000	0.4929
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.4000	0.6000	0.4000	-0.1538	0.9932
dota2	0.4727	0.5273	0.4727	0.0000	0.5305
dropout	0.3228	0.4515	0.3228	0.0000	0.3888
drug-01	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02	0.1277	0.2492	0.1277	0.0000	0.3211
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.1223	0.2508	0.1223	-0.0025	0.3217
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.2234	0.2219	0.2234	0.0107	0.3901
drug-07	0.3617	0.1824	0.3617	0.0000	0.2501
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5798	0.1201	0.5798	0.0000	0.2556
drug-14	0.5691	0.1231	0.5691	0.0000	0.2602
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5213	0.1368	0.5213	0.0000	0.2706
drug-17	0.1170	0.2523	0.1170	0.0125	0.3734
drug-18	0.0053	0.3979	0.0053	0.0000	0.0051
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.2219	0.2223	0.2219	0.0940	0.3450
ecoli	0.5588	0.1103	0.5588	0.3033	0.2280
ecoliCP-IM	0.6364	0.3636	0.6364	0.0000	0.4822

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.2424	0.7576	0.2424	0.0000	0.4352
ecoliMU	0.0909	0.9091	0.0909	0.0000	0.2192
ecoliOM	0.0606	0.9394	0.0606	0.0000	0.1551
eeg	0.0179	0.1228	0.0179	0.0017	0.4102
eeg-eye	0.5507	0.4493	0.5507	0.0000	0.5178
EPA_FHM	0.0656	0.9344	0.0656	0.0000	0.1662
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.3259	0.7447
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4583	0.5496
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.3615	0.5788
er_tox_rdkit_FEATMORGAN	0.9194	0.0806	0.9194	0.8397	0.2958
er_tox_rdkit_LAYERED	0.8710	0.1290	0.8710	0.2955	0.2720
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.4876	0.0984
er_tox_rdkit_PATTERN	0.8065	0.1935	0.8065	0.4473	0.3710
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5114	0.6808
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.2877	0.2849	0.2877	0.0000	0.3817
euthyroid	0.1329	0.8671	0.1329	-0.0039	0.2838
exon.vs.intron-freq	0.5269	0.4731	0.5269	0.0000	0.5238
fbis-wc	0.0366	0.1133	0.0366	0.0000	0.3744
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.2000	0.2000	0.2000	0.0000	0.3383
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.0034	0.0130	0.0034	0.0007	0.3617
forest	0.2500	0.3750	0.2500	0.0000	0.3924
gas	0.1316	0.2895	0.1316	0.0000	0.4034
gastrointestinal	0.5000	0.3333	0.5000	0.0000	0.3718
gender	0.5895	0.2737	0.5895	0.0000	0.3139
gene	0.2524	0.4984	0.2524	0.0000	0.4017
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.4899	0.5101	0.4899	0.0000	0.5294
glass	0.4762	0.1746	0.4762	0.2426	0.2362
glassBWFP	0.3810	0.6190	0.3810	0.0000	0.5189
glassBWNFP	0.3333	0.6667	0.3333	0.0000	0.5000
glassContainers	0.0909	0.9091	0.0909	0.0000	0.2192
glass-g2	0.3750	0.6250	0.3750	0.0000	0.5170
glassNW	0.7619	0.2381	0.7619	0.0000	0.3902
glassTableware	0.0455	0.9545	0.0455	0.0000	0.1198
glassVWFP	0.0476	0.9524	0.0476	0.0000	0.1250
gli_85	0.8750	0.1250	0.8750	0.6000	0.2846
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.5833	0.4167	0.5833	0.0000	0.5068
green	0.3000	0.7000	0.3000	0.0000	0.4809
GREY_MAO_DESC_PADEL	0.5714	0.4286	0.5714	0.0000	0.5112
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4000	0.3000	0.4000	0.1290	0.5088
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.3513	0.1081	0.3513	0.2323	0.2257
har70	0.0899	0.2600	0.0899	0.0000	0.3023
harth10%	0.0619	0.1564	0.0619	0.0005	0.3053
hayes-roth	0.5625	0.2917	0.5625	0.2583	0.5407
hcc-survival	0.4118	0.5882	0.4118	0.0000	0.5263
heart	0.5926	0.4074	0.5926	0.0000	0.5031
heart-c	0.5333	0.4667	0.5333	0.0000	0.5223
hepatitis	0.2000	0.8000	0.2000	0.0000	0.3900

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.5030	0.4970	0.5030	0.0000	0.5279
hERG-121inputs	0.2857	0.7143	0.2857	0.0000	0.4711
hERG-64inputs	0.2857	0.7143	0.2857	0.0000	0.4711
hERG-9inputs	0.2308	0.7692	0.2308	0.0000	0.4238
HIA_desc	0.3000	0.7000	0.3000	0.0000	0.4809
higgs10%	0.4705	0.5295	0.4705	0.0000	0.5306
higher	0.2143	0.1964	0.2143	0.0000	0.3747
hinselmann	0.2000	0.8000	0.2000	0.0000	0.3900
hiv1-proteasa	0.8314	0.1686	0.8314	0.0412	0.4222
hiva	0.3381	0.6619	0.3381	-0.0075	0.1827
horse	0.5556	0.2963	0.5556	0.0710	0.3533
htru2	0.9084	0.0916	0.9084	0.0000	0.2103
ht-sensor	0.3327	0.4448	0.3327	0.0056	0.4150
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9231	0.0769	0.9231	0.0000	0.1858
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.2222	0.7778	0.2222	0.0000	0.4150
ionosphere	0.3143	0.6857	0.3143	0.0000	0.4897
iris	0.7333	0.1778	0.7333	0.6053	0.1585
irish	0.6600	0.3400	0.6600	0.2478	0.4896
isolet	0.0385	0.0740	0.0385	0.0000	0.4200
jm1	0.8136	0.1864	0.8136	0.0957	0.4856
fvowels	0.1094	0.1979	0.1094	0.0000	0.4023
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.4000	0.6000	0.4000	0.0000	0.5239
kc1-class-level-numericdefect	0.5824	0.0356	0.5818	0.0457	0.2063
kc1-class-level-top5percentDF	0.0667	0.9333	0.0667	0.0000	0.1686
kc2	0.7885	0.2115	0.7885	0.0949	0.6347
kidney-disease	0.6250	0.3750	0.6250	0.0000	0.4882
krkopt	0.0995	0.1001	0.0995	0.0000	0.3511
krvskp	0.5235	0.4765	0.5235	0.0000	0.5245
la1s-wc	0.0952	0.3016	0.0952	0.0000	0.3956
la2s-wc	0.1060	0.2980	0.1060	0.0000	0.3913
labor	0.3333	0.6667	0.3333	0.0000	0.5000
leaf	0.2941	0.0353	0.2941	0.2642	0.1647
led24	0.1500	0.1700	0.1500	0.0811	0.3778
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.0425	0.0737	0.0425	0.0073	0.4139
leukemia	0.7143	0.1905	0.7143	0.5625	0.3324
leukemia2	0.5714	0.4286	0.5714	0.0000	0.5112
libra	0.3056	0.0926	0.3056	0.2500	0.2182
linkage10%	0.0037	0.9963	0.0037	0.0000	0.0105
liver	0.3235	0.6765	0.3235	0.0000	0.4949
localization	0.1984	0.1457	0.1984	0.0000	0.3232
lrs	0.8036	0.0381	0.8030	0.7342	0.1547
lsvt	0.6923	0.3077	0.6923	0.0000	0.4472
lung	0.9505	0.0189	0.9663	0.9026	0.0435
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9491	0.0202	0.9596	0.8927	0.0452
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.4545	0.2500
lung-cancer-michigan	0.8889	0.1111	0.8889	0.6087	0.5283
lung-cancer-ontario	0.3333	0.6667	0.3333	0.0000	0.5000
lung_discrete	0.8666	0.0357	0.8838	0.8456	0.0549
lupus	0.7778	0.2222	0.7778	0.5263	0.4308
lymphography	0.5714	0.2143	0.5714	0.0345	0.2256
lymphoma2	0.8970	0.0252	0.8954	0.8484	0.0000
madelon	0.5000	0.5000	0.5000	0.0000	0.5283
magic04	0.6486	0.3514	0.6486	0.0000	0.4753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5282	0.6506
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.7723	0.1518	0.7723	0.6518	0.3852
messidor	0.4348	0.5652	0.4348	0.0000	0.5294
meter-A	0.3750	0.6250	0.3750	0.0000	0.5170
meter-B	1.0000	0.0000	1.0000	0.9881	0.0000
meter-C	0.6667	0.1667	0.6667	0.5345	0.1926
meter-D	0.9345	0.0284	0.9457	0.9183	0.0484
mfeat-fac	0.2000	0.1600	0.2000	0.1111	0.3291
mfeat-fou	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-kar	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-mor	0.2000	0.1600	0.2000	0.1111	0.3573
mfeat-pix	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-zer	0.1000	0.1800	0.1000	0.0000	0.4073
mice-prot	0.7315	0.0671	0.7315	0.6915	0.1822
mines	0.2647	0.2941	0.2647	0.1015	0.4176
mobile	0.0210	0.0350	0.0210	0.0002	0.4210
monks-1	0.4909	0.5091	0.4909	0.0000	0.5293
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.6786	0.3214	0.6786	0.3412	0.4922
mushroom	0.9988	0.0012	0.9988	0.9975	0.0115
musk	0.8455	0.1545	0.8455	0.0000	0.2996
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.5245
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5217	0.4783	0.5217	0.0298	0.5261
mutagens_ExtendedFingerprinter	0.5588	0.4412	0.5588	0.1176	0.5228
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3754	0.4762
MUT_ci300400a	0.4261	0.5739	0.4261	0.0000	0.5285
MUT_ci300400a_cdk_ECFP2	0.7230	0.2770	0.7230	0.4740	0.6002
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.9451	0.0549	0.9451	0.8902	0.2459
nci9	0.3354	0.1462	0.3354	0.2254	0.1270
ncRNA10%	0.7778	0.0234	0.7778	0.0074	0.1394
newspop	0.4677	0.5323	0.4677	0.0000	0.5307
new-thyroid	0.7143	0.1905	0.7143	0.0000	0.2774
new-thyroidT	0.1429	0.8571	0.1429	0.0000	0.3113
NHANES_age_prediction	0.9163	0.0837	0.9163	0.6009	0.2085
nomao	0.7145	0.2855	0.7145	0.0000	0.4307
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0006	0.5819
nursery	0.3588	0.2565	0.3588	0.1113	0.3047
obs	0.9749	0.0237	0.9524	0.9403	0.0926
occupancy	0.7690	0.2310	0.7690	0.0000	0.3835
Occupancy_Estimation	0.8806	0.0597	0.8806	0.6231	0.0868
oh0-wc	0.1089	0.1782	0.1089	0.0419	0.4431
oh10-wc	0.1143	0.1771	0.1143	0.0000	0.3917
oh15-wc	0.0652	0.1870	0.0652	0.0000	0.4020
oh5-wc	0.0769	0.1846	0.0769	0.0000	0.4027
opn310k	0.9091	0.0909	0.9091	0.0000	0.2092
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.0890	0.1822	0.0890	0.0000	0.4089
optdigitsZ	0.0890	0.9110	0.0890	0.0000	0.2153
orl	0.6203	0.0188	0.6168	0.6173	0.0743
orlraws10P	0.7093	0.0604	0.6972	0.6817	0.0762
ovarian-cancer	0.6400	0.3600	0.6400	0.0000	0.4802
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9214	0.0314	0.9214	0.3218	0.1298

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.4083	0.5917	0.4083	0.0000	0.5256
parkinsons	0.7368	0.2632	0.7368	0.0000	0.4125
particle	0.2808	0.7192	0.2808	0.0001	0.4674
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.4175	0.5825	0.4175	0.0000	0.5272
pd	0.2500	0.7500	0.2500	0.0000	0.4422
pediatric-leukemia	0.5588	0.1260	0.5588	0.4333	0.2917
pendigits	0.1028	0.1794	0.1028	0.0000	0.4062
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.4948	0.5052	0.4948	0.1724	0.5244
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.5227
P-Glycoprotein_c_RDkit_AtomPair_FP	0.4683	0.5317	0.4683	0.0000	0.5307
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.4000	0.6000	0.4000	0.0000	0.5239
phishing	0.9592	0.0408	0.9592	0.9127	0.1605
phoneme	0.7167	0.2833	0.7167	0.0000	0.4290
phy	0.5028	0.4972	0.5028	0.0000	0.5280
pima	0.3947	0.6053	0.3947	0.0000	0.5226
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.4998	0.1000	0.4998	0.0002	0.1729
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.4141	0.5859	0.4141	0.0624	0.5441
popularity	0.3135	0.4577	0.3135	0.0000	0.3128
post-operative	0.0000	0.6667	0.0000	0.0000	0.3386
postures	0.2086	0.3166	0.2086	0.0003	0.4050
pred-tox_mutagen_ref-desc	0.5000	0.5000	0.5000	0.0000	0.5283
primary-tumor	0.0000	0.0909	0.0000	0.0000	0.3481
profb	0.3284	0.6716	0.3284	0.0000	0.4975
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.4286	0.5714	0.4286	0.0000	0.5288
prostate_GE	0.4545	0.5455	0.4545	0.0000	0.5306
puc-rio	0.3182	0.2727	0.3182	0.0555	0.4108
pufs-6410%	0.5002	0.4998	0.5002	0.0000	0.5283
raisin	0.5000	0.5000	0.5000	0.0000	0.5283
re0-wc	0.0200	0.1508	0.0200	0.0000	0.3266
re1-wc	0.0181	0.0786	0.0181	0.0009	0.3590
rejafada	0.9950	0.0050	0.9950	0.9205	0.0223
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	0.9125	0.0350	0.9125	0.8820	0.0976
rocket	0.4122	0.5878	0.4122	0.0051	0.5469
RT_IOT2022	0.9855	0.0006	1.0000	1.0000	0.0168
satimage	0.2271	0.2576	0.2271	0.0000	0.3819
satimageF	0.8911	0.1089	0.8911	0.0000	0.2371
satimageT	0.2442	0.7558	0.2442	0.0369	0.2698
scadi	0.1429	0.2449	0.1429	0.0000	0.3180
schiller	0.2222	0.7778	0.2222	0.0000	0.4150
schizo	0.5000	0.5000	0.5000	0.0000	0.5283
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.5710	0.4290	0.5710	0.0402	0.5138
segment	0.9798	0.0114	0.9752	0.9545	0.0492
segmentO	0.1472	0.8528	0.1472	0.0000	0.3180

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.1006	0.8994	0.1006	0.0000	0.2381
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.2137	0.1430	0.2137	0.1350	0.3673
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8459	0.1541	0.8459	0.0000	0.2991
shuttle	0.7859	0.0612	0.7859	0.0125	0.1470
sick	0.9337	0.0663	0.9337	0.0000	0.1669
sirtuin6	0.5000	0.5000	0.5000	0.0000	0.5283
skin	0.7981	0.2019	0.7981	0.0438	0.3555
smk_can_187	0.4737	0.5263	0.4737	0.0000	0.5305
solar-flare	0.6978	0.1007	0.6978	0.6078	0.1443
sonar	0.5000	0.5000	0.5000	0.0000	0.5283
soybean	0.9642	0.0031	0.9711	0.9722	0.0121
spambase	0.4587	0.5413	0.4587	0.0844	0.5280
spect	0.8148	0.1852	0.8148	0.2373	0.3439
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.5662	0.0184	0.5787	0.5515	0.1139
splice-EI	0.2524	0.7476	0.2524	0.0000	0.4443
splice-IE	0.2366	0.7634	0.2366	0.0000	0.4296
sport-articles	0.3700	0.6300	0.3700	0.0000	0.5154
squash-stored	0.6000	0.2667	0.6000	0.4118	0.2946
squash-unstored	0.4000	0.4000	0.4000	0.0000	0.2619
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.5166	0.3223	0.5166	0.0019	0.3725
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6513	0.3487	0.6513	0.0000	0.4738
steel-p	0.0821	0.9179	0.0821	0.0000	0.2013
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.3846	0.4103	0.3846	0.0000	0.4010
student-weekend	0.3846	0.2462	0.3846	0.0000	0.3498
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.5427	0.4573	0.5427	0.0015	0.5201
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	0.5004	0.4996	0.5004	0.0008	0.5283
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5809
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9903	0.0047	0.9837	0.9649	0.0364
theorem	0.5843	0.4157	0.5843	0.0046	0.5067
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.6632	0.3368	0.6632	0.0000	0.4666
tis	0.2476	0.7524	0.2476	0.0000	0.4400
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.7500	0.0833	0.7500	0.6098	0.1060
tox_171	0.4706	0.2647	0.4706	0.2714	0.3501
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	1.0000	0.0000	1.0000	1.0000	0.0000
transfusion	0.7200	0.2800	0.7200	-0.0194	0.8272
trec11-wc	0.2195	0.1734	0.2195	0.0437	0.3334
trec12-wc	0.2903	0.1774	0.2903	0.0000	0.3607

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.1905	0.2698	0.1905	0.0403	0.3299
trec31-wc	0.3763	0.1782	0.3763	0.0000	0.3066
trec41-wc	0.0455	0.1909	0.0455	-0.0206	0.4177
trec45-wc	0.2029	0.1594	0.2029	0.0646	0.3825
tuandromd	0.8430	0.1570	0.8430	0.3132	0.3117
turkish	0.2500	0.3750	0.2500	0.0000	0.4042
tvnews	0.3659	0.6341	0.3659	0.0000	0.5139
urban	0.1642	0.1857	0.1642	0.0100	0.3882
vehicle	0.2500	0.3750	0.2500	0.0000	0.3964
vehicleVAN	0.2500	0.7500	0.2500	0.0000	0.4422
voice	0.3333	0.6667	0.3333	0.0000	0.5000
vote	0.4884	0.5116	0.4884	0.0000	0.5296
vowel	0.0909	0.1653	0.0909	0.0000	0.4205
vowelZ	0.0909	0.9091	0.0909	0.0000	0.2192
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.1859	0.0814	0.1859	0.1326	0.4056
warpar10p	0.7776	0.0459	0.7689	0.7433	0.0802
warppie10p	0.9870	0.0000	1.0000	0.9969	0.0000
watch-acc10%	0.1576	0.2407	0.1576	0.0334	0.4649
watch-gyr10%	0.1421	0.2451	0.1421	0.0083	0.4296
waveform	0.3340	0.4440	0.3340	0.0000	0.4165
web-phishing	0.8370	0.1086	0.8370	0.7215	0.4223
weight-lift	0.1875	0.3250	0.1875	0.0044	0.3986
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.2500	0.3750	0.2500	0.0000	0.4042
wilt	0.0518	0.9482	0.0518	0.0002	0.1301
wine	0.4118	0.3922	0.4118	0.2544	0.3404
winequality-red	0.4277	0.1908	0.4277	0.0000	0.2585
winequality-white	0.4479	0.1578	0.4479	0.0000	0.2575
winnipeg	0.1202	0.2514	0.1202	0.0118	0.3895
yale	0.6315	0.0499	0.6231	0.6127	0.1063
yeast	0.2365	0.1527	0.2365	0.0002	0.3046
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.0270	0.9730	0.0270	0.0000	0.0739
yeastME1	0.0270	0.9730	0.0270	0.0000	0.0739
yeastME2	0.0473	0.9527	0.0473	0.0000	0.1242
zip	0.0882	0.1824	0.0882	0.0000	0.4045
zoo	0.8000	0.0571	0.8000	0.7260	0.0836

Table 27: Detailed results for MEBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1733	0.0562	0.1738	0.0987	0.5077
abalone19	0.0072	0.9928	0.0072	0.0000	0.0204
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.4964	0.5036	0.4964	0.0316	0.0941
ads	0.8780	0.1220	0.8780	0.2050	0.2594
adult	0.7785	0.2215	0.7785	0.0996	0.4091
AID1284Morered	0.1389	0.8611	0.1389	0.0000	0.3050
AID1284red	0.1389	0.8611	0.1389	0.0000	0.3050
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.5049	0.4951	0.5049	0.0179	0.3568
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.0187	0.9813	0.0187	0.0001	0.0395
AID373AID439red	0.0002	0.9998	0.0002	0.0000	0.0005
AID373red	0.0017	0.9983	0.0017	0.0000	0.0029
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.1429	0.8571	0.1429	0.0000	0.3113
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.4054	0.5946	0.4054	0.0000	0.5250
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.0067	0.9933	0.0067	0.0000	0.0102
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.3000	0.7000	0.3000	0.0000	0.4809
AID644red	0.3000	0.7000	0.3000	0.0000	0.4809
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.1815	0.8185	0.1815	-0.0005	0.0047
AID687red	0.0103	0.9897	0.0103	0.0000	0.0087
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.2222	0.7778	0.2222	0.0000	0.4150
AID721red	0.2222	0.7778	0.2222	0.0000	0.4150
AID746AID1284red	0.1161	0.8839	0.1161	0.0003	0.0033
AID746red	0.0281	0.9719	0.0281	0.0003	0.0176
AID_773	0.1111	0.8889	0.1111	0.0000	0.2575
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.8333	0.1667	0.8333	0.6667	0.4644
anneal	0.9942	0.0091	0.9973	0.9507	0.0808
antivirus	0.4595	0.5405	0.4595	0.1591	0.4503
anuran-family	0.9764	0.0118	0.9764	0.9546	0.0511
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.9805	0.0049	0.9805	0.9678	0.0383
anuran-species	0.9792	0.0042	0.9792	0.9709	0.0310
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.4000	0.6000	0.4000	0.0000	0.5239
arrhythmia	0.6667	0.0513	0.6667	0.4037	0.2536
auction	0.8725	0.1275	0.8725	0.0000	0.2639
audiology	0.9326	0.0072	0.8998	0.9181	0.0220
audit-risk	0.3974	0.6026	0.3974	0.0000	0.5233
autism-adolescent	0.3636	0.6364	0.3636	0.0000	0.5131
autism-adult	0.9000	0.1000	0.9000	0.7141	0.2544
autism-child	0.7586	0.2414	0.7586	0.5085	0.4545
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8291	0.0310	0.8112	0.7540	0.2359
balance	0.7903	0.1398	0.7903	0.6405	0.3973
bank	0.8874	0.1126	0.8874	0.0000	0.2427
banknote	0.5547	0.4453	0.5547	0.0000	0.5166

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.7696	0.2304	0.7696	0.4212	0.4143
basehock	0.5025	0.4975	0.5025	0.0000	0.5280
bio	0.9911	0.0089	0.9911	0.0000	0.0350
biodeg	0.6190	0.3810	0.6190	0.0000	0.4912
biomed	0.3810	0.6190	0.3810	0.0000	0.5189
bitcoin10%	0.9999	0.0000	0.9778	0.1485	0.3224
block10%	0.0037	0.9963	0.0037	0.0000	0.0105
block10%	0.0037	0.9963	0.0037	0.0000	0.0105
breast-cancer	0.7500	0.2500	0.7500	0.1695	0.4092
breast-cancer-co	0.5455	0.4545	0.5455	0.0000	0.5193
breast-cancer-ma	0.5455	0.4545	0.5455	0.0000	0.5193
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0635
bridges	0.7000	0.0857	0.7000	0.5946	0.1550
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.8049	0.1951	0.8049	0.1633	0.3522
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.6250	0.3750	0.6250	0.3333	0.5283
cancer	0.6522	0.3478	0.6522	0.0000	0.4732
car	0.9598	0.0201	0.9598	0.9154	0.1670
card	0.5507	0.4493	0.5507	0.1962	0.5300
cardiotocography	0.7887	0.0423	0.7887	0.7426	0.1936
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7460	0.2129
cargo2k	0.9975	0.0017	0.9975	0.9962	0.0106
cars	0.8750	0.0833	0.8750	0.7770	0.3456
cas_N6512_cdk_ECFP2	0.6344	0.3656	0.6344	0.2970	0.7123
cdc_diabetes	0.8379	0.1081	0.8379	0.1680	0.4793
census10%	0.9402	0.0598	0.9402	0.0000	0.1548
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.3721	0.6279	0.3721	0.0000	0.5161
Choi_MACCS	0.6250	0.3750	0.6250	0.1429	0.8433
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.8125	0.1875	0.8125	0.2066	0.3453
ci200186.atompair_fp	0.7818	0.2182	0.7818	0.4590	0.4057
ci200186m_DESC_PADEL	0.6296	0.3704	0.6296	0.0000	0.4858
ci200186m_ExtendedFingerprinter	0.7091	0.2909	0.7091	0.2414	0.4514
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2499	0.6479
cirrhosis	0.7619	0.1587	0.7619	0.5161	0.3788
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7778	0.1111	0.7778	0.6624	0.4778
climate	0.0741	0.9259	0.0741	0.0000	0.1846
cil_sub_111	0.5000	0.3333	0.5000	0.2941	0.4683
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5306	0.3129	0.5306	0.2644	0.7036
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0684
codon_usage	0.8741	0.0229	0.8741	0.8461	0.1806
coil20	0.9579	0.0027	0.9956	0.9595	0.0195
collins	0.5600	0.0587	0.5600	0.5163	0.2438
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.5862	0.4138	0.5862	0.0000	0.5057
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.5172	0.4828	0.5172	0.0000	0.5257
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.6774	0.3226	0.6774	0.0000	0.4574
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9861	0.0093	0.9861	0.7246	0.4421
cottonmeloidogyne	0.5601	0.4399	0.5601	0.1273	0.5802
coupon	0.6017	0.3983	0.6017	0.0882	0.5529
covtype	0.9590	0.0117	0.9590	0.9341	0.1201
covtypeCD	0.3936	0.6064	0.3936	0.1038	0.3700
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.9429	0.0190	0.9429	0.8805	0.1431
cryotherapy	0.4444	0.5556	0.4444	0.0000	0.5302
cultivars	0.3125	0.0344	0.3125	0.2939	0.1002
cyclopentane	0.5926	0.4074	0.5926	0.2326	0.7311
cylinder-bands	0.4259	0.5741	0.4259	0.0000	0.5284
darwin	0.5000	0.5000	0.5000	0.0000	0.5283
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7803	0.2197	0.7803	0.0094	0.3728
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2000	0.4540
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.3502	0.5762
diabetes	0.6154	0.3846	0.6154	0.0000	0.4929
diabetic10%	0.5029	0.3314	0.5029	0.1037	0.7275
diagnosis	0.9167	0.0833	0.9167	0.8235	0.2605
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.2000	0.8000	0.2000	-0.4286	1.0000
dota2	0.4727	0.5273	0.4727	0.0000	0.5305
dropout	0.7472	0.1685	0.7472	0.5814	0.5002
drug-01	0.3191	0.1945	0.3191	0.0366	0.7696
drug-02	0.4840	0.1474	0.4840	0.1634	0.6250
drug-03	0.6011	0.1140	0.6011	0.0381	0.5580
drug-04	0.4521	0.1565	0.4521	0.1086	0.7865
drug-05	0.7021	0.0851	0.7021	0.0628	0.4108
drug-06	0.3191	0.1945	0.3191	0.1744	0.7198
drug-07	0.3404	0.1885	0.3404	0.0206	0.5836
drug-08	0.5266	0.1353	0.5266	0.1876	0.6545
drug-09	0.8351	0.0471	0.8351	0.1136	0.3047
drug-10	0.5160	0.1383	0.5160	0.1435	0.5202
drug-11	0.8085	0.0547	0.8085	0.0443	0.4867
drug-12	0.7447	0.0729	0.7447	0.0254	0.5072
drug-13	0.5532	0.1277	0.5532	0.2375	0.7166
drug-14	0.5904	0.1170	0.5904	0.3146	0.5227
drug-15	0.7128	0.0821	0.7128	0.1194	0.7193
drug-16	0.5479	0.1292	0.5479	0.2789	0.5820
drug-17	0.2553	0.2128	0.2553	0.0570	0.7658
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6862	0.0897	0.6862	0.0068	0.5392
drybean	0.9221	0.0223	0.9221	0.9059	0.1214
ecoli	0.8235	0.0441	0.8235	0.7542	0.1342
ecoliCP-IM	0.6364	0.3636	0.6364	0.0000	0.4822

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.2424	0.7576	0.2424	0.0000	0.4352
ecoliMU	0.0909	0.9091	0.0909	0.0000	0.2192
ecoliOM	0.0606	0.9394	0.0606	0.0000	0.1551
eeg	0.4011	0.0749	0.4011	0.3350	0.6506
eeg-eye	0.5507	0.4493	0.5507	0.0000	0.5178
EPA_FHM	0.0656	0.9344	0.0656	0.0000	0.1662
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.3011	0.6736
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5181	0.6014
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8852	0.1148	0.8852	0.1989	0.2486
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.4609	0.5452
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9032	0.2185
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.8871	0.1129	0.8871	0.7040	0.2809
er_tox_rdkit_RDKITFP	0.4754	0.5246	0.4754	0.1506	0.6158
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5564	0.3926
euthyroid	0.3228	0.6772	0.3228	0.0477	0.3219
exon.vs.intron-freq	0.5269	0.4731	0.5269	0.0000	0.5238
fbis-wc	0.7642	0.0277	0.7642	0.7310	0.1944
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5639	0.1571
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.5655	0.0057	0.5655	0.5397	0.4365
forest	0.8077	0.0962	0.8077	0.7325	0.2157
gas	0.9964	0.0012	0.9964	0.9956	0.0087
gastrointestinal	0.9375	0.0417	0.9375	0.9006	0.1278
gender	0.5432	0.3046	0.5432	0.1342	0.5939
gene	0.8644	0.0904	0.8644	0.7827	0.3344
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.4899	0.5101	0.4899	0.0000	0.5294
glass	0.6190	0.1270	0.6190	0.4766	0.3593
glassBWFP	0.3810	0.6190	0.3810	0.0000	0.5189
glassBWNFP	0.3333	0.6667	0.3333	0.0000	0.5000
glassContainers	0.0909	0.9091	0.0909	0.0000	0.2192
glass-g2	0.3750	0.6250	0.3750	0.0000	0.5170
glassNW	0.7619	0.2381	0.7619	0.0000	0.3902
glassTableware	0.0455	0.9545	0.0455	0.0000	0.1198
glassVWFP	0.0476	0.9524	0.0476	0.0000	0.1250
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.5952	0.4048	0.5952	0.0332	0.5041
green	0.3000	0.7000	0.3000	0.0000	0.4809
GREY_MAO_DESC_PADEL	0.5714	0.4286	0.5714	0.0000	0.5112
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2814	0.5226
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.9231	0.0128	0.9231	0.9089	0.0840
har70	0.9291	0.0203	0.9291	0.8955	0.2105
harth10%	0.8802	0.0200	0.8802	0.8369	0.2193
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.4118	0.5882	0.4118	0.0000	0.5263
heart	0.5926	0.4074	0.5926	0.0000	0.5031
heart-c	0.5667	0.4333	0.5667	0.0758	0.5175
hepatitis	0.2000	0.8000	0.2000	0.0000	0.3900

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.5034	0.4966	0.5034	0.0008	0.5279
hERG-121inputs	0.2857	0.7143	0.2857	0.0000	0.4711
hERG-64inputs	0.2857	0.7143	0.2857	0.0000	0.4711
hERG-9inputs	0.2308	0.7692	0.2308	0.0000	0.4238
HIA_desc	0.3000	0.7000	0.3000	0.0000	0.4809
higgs10%	0.4705	0.5295	0.4705	0.0000	0.5306
higher	0.2143	0.1964	0.2143	0.0833	0.3508
hinselmann	0.2000	0.8000	0.2000	0.0000	0.3900
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.1206	0.8794	0.1206	0.0068	0.1035
horse	0.6111	0.2593	0.6111	0.2769	0.5585
htru2	0.9089	0.0911	0.9089	0.0110	0.2095
ht-sensor	1.0000	0.0000	1.0000	0.9999	0.0003
hypothyroid	0.9867	0.0066	0.9867	0.9199	0.2363
hypothyroidT	0.9231	0.0769	0.9231	0.0000	0.1858
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.2222	0.7778	0.2222	0.0000	0.4150
ionosphere	0.3143	0.6857	0.3143	0.0000	0.4897
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.7099	0.0223	0.7099	0.6983	0.2468
jm1	0.8173	0.1827	0.8173	0.1370	0.5172
fvowels	0.9608	0.0087	0.9608	0.9556	0.0649
kc1	0.8578	0.1422	0.8578	0.2344	0.5430
kc1-class-level-defectiveornot	0.4000	0.6000	0.4000	0.0000	0.5239
kc1-class-level-numericdefect	0.5642	0.0359	0.5695	0.0464	0.2013
kc1-class-level-top5percentDF	0.0667	0.9333	0.0667	0.0000	0.1686
kc2	0.7885	0.2115	0.7885	0.0949	0.6347
kidney-disease	0.6250	0.3750	0.6250	0.0000	0.4882
krkopt	0.8688	0.0146	0.8688	0.8533	0.1636
krvskp	0.5235	0.4765	0.5235	0.0000	0.5245
la1s-wc	0.8032	0.0656	0.8032	0.7527	0.3045
la2s-wc	0.8510	0.0497	0.8510	0.8109	0.2390
labor	0.3333	0.6667	0.3333	0.0000	0.5000
leaf	0.0000	0.0500	0.0000	0.0000	0.3668
led24	0.4500	0.1100	0.4500	0.3855	0.2424
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9280	0.0055	0.9280	0.9251	0.0852
leukemia	0.8571	0.0952	0.8571	0.7812	0.1327
leukemia2	0.5714	0.4286	0.5714	0.0000	0.5112
libra	0.7778	0.0296	0.7778	0.7618	0.0986
linkage10%	0.0037	0.9963	0.0037	0.0000	0.0105
liver	0.3235	0.6765	0.3235	0.0000	0.4949
localization	0.7462	0.0461	0.7462	0.6784	0.4454
lrs	0.8239	0.0386	0.8265	0.7276	0.1513
lsvt	0.6923	0.3077	0.6923	0.0000	0.4472
lung	0.9725	0.0189	0.9411	0.9209	0.0434
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9583	0.0200	0.9659	0.9069	0.0444
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.4545	0.2500
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.3333	0.6667	0.3333	0.0000	0.5000
lung_discrete	0.8877	0.0354	0.8730	0.8415	0.0566
lupus	0.7778	0.2222	0.7778	0.5263	0.4308
lymphography	0.7857	0.1071	0.7857	0.6348	0.1754
lymphoma2	0.9069	0.0247	0.8772	0.8707	0.0000
madelon	0.5000	0.5000	0.5000	0.0000	0.5283
magic04	0.6486	0.3514	0.6486	0.0000	0.4753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5282	0.6506
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.8515	0.0990	0.8515	0.7737	0.2902
messidor	0.4348	0.5652	0.4348	0.0000	0.5294
meter-A	0.3750	0.6250	0.3750	0.0000	0.5170
meter-B	1.0000	0.0000	1.0000	0.9971	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.9462	0.0284	0.9388	0.9314	0.0479
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0844
mfeat-fou	0.7250	0.0550	0.7250	0.6944	0.2500
mfeat-kar	0.8900	0.0220	0.8900	0.8778	0.1341
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.1983
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0558
mfeat-zer	0.6700	0.0660	0.6700	0.6333	0.2433
mice-prot	0.9722	0.0069	0.9722	0.9682	0.0337
mines	0.5588	0.1765	0.5588	0.4475	0.4167
mobile	0.5979	0.0144	0.5979	0.5906	0.1888
monks-1	0.4909	0.5091	0.4909	0.0000	0.5293
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.7143	0.2857	0.7143	0.4159	0.4777
mushroom	0.9988	0.0012	0.9988	0.9975	0.0123
musk	0.8455	0.1545	0.8455	0.0000	0.2996
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.5260
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5217	0.4783	0.5217	0.0298	0.5261
mutagens_ExtendedFingerprinter	0.6029	0.3971	0.6029	0.2059	0.5158
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3100	0.6963
MUT_ci300400a	0.4298	0.5702	0.4298	0.0043	0.5625
MUT_ci300400a_cdk_ECFP2	0.7194	0.2806	0.7194	0.4674	0.6071
myocardial	0.8765	0.0309	0.8765	0.3404	0.0999
naticusdroid	0.9472	0.0528	0.9472	0.8943	0.2359
nci9	0.3325	0.1474	0.3349	0.2239	0.1267
ncRNA10%	0.9396	0.0064	0.9396	0.8371	0.4225
newspop	0.4680	0.5320	0.4680	0.0004	0.5307
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.1429	0.8571	0.1429	0.0000	0.3113
NHANES_age_prediction	0.9383	0.0617	0.9383	0.7256	0.1705
nomao	0.7179	0.2821	0.7179	0.0173	0.4287
NPHA-doctor-visits	0.4167	0.3889	0.4167	-0.0127	0.8109
nursery	0.9961	0.0015	0.9961	0.9943	0.0085
obs	0.9555	0.0231	0.9626	0.9420	0.0952
occupancy	0.7690	0.2310	0.7690	0.0000	0.3835
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.8713	0.0257	0.8713	0.8535	0.1416
oh10-wc	0.6857	0.0629	0.6857	0.6431	0.3119
oh15-wc	0.7391	0.0522	0.7391	0.7047	0.2581
oh5-wc	0.7912	0.0418	0.7912	0.7644	0.1958
opn310k	0.9091	0.0909	0.9091	0.0000	0.2092
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.9395	0.0121	0.9395	0.9327	0.0870
optdigitsZ	0.0890	0.9110	0.0890	0.0000	0.2153
orl	0.6281	0.0187	0.6188	0.6068	0.0771
orlraws10P	0.7052	0.0593	0.7011	0.6618	0.0764
ovarian-cancer	0.7600	0.2400	0.7600	0.3902	0.4205
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8572	0.0845

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.4083	0.5917	0.4083	0.0000	0.5256
parkinsons	0.7368	0.2632	0.7368	0.0000	0.4125
particle	0.2806	0.7194	0.2806	0.0000	0.4674
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	-0.0163	0.5300
pcmac	0.4175	0.5825	0.4175	0.0000	0.5272
pd	0.2500	0.7500	0.2500	0.0000	0.4422
pediatric-leukemia	0.6176	0.1092	0.6176	0.5323	0.3063
pendigits	0.9791	0.0042	0.9791	0.9767	0.0351
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.5464	0.4536	0.5464	0.2189	0.6533
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.6702
P-Glycoprotein_c_RDkit_AtomPair_FP	0.4683	0.5317	0.4683	0.0000	0.5307
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.4000	0.6000	0.4000	0.0000	0.5239
phishing	0.9592	0.0408	0.9592	0.9127	0.1605
phoneme	0.7167	0.2833	0.7167	0.0000	0.4290
phy	0.5028	0.4972	0.5028	0.0000	0.5280
pima	0.4211	0.5789	0.4211	0.0346	0.5250
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.6978	0.0604	0.6978	0.4495	0.3288
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.4216	0.5784	0.4216	0.0722	0.5336
popularity	0.6308	0.2462	0.6308	0.1558	0.6318
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9860	0.0056	0.9860	0.9825	0.0391
pred-tox_mutagen_ref-desc	0.5000	0.5000	0.5000	0.0000	0.5283
primary-tumor	0.3030	0.0634	0.3030	0.2287	0.2664
profb	0.3284	0.6716	0.3284	0.0000	0.4975
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.4286	0.5714	0.4286	0.0000	0.5288
prostate_GE	0.4545	0.5455	0.4545	0.0000	0.5306
puc-rio	0.9950	0.0020	0.9950	0.9933	0.0202
pufs-6410%	0.5002	0.4998	0.5002	0.0000	0.5283
raisin	0.5000	0.5000	0.5000	0.0000	0.5283
re0-wc	0.7667	0.0359	0.7667	0.6820	0.2139
re1-wc	0.7410	0.0207	0.7410	0.6996	0.1610
rejafada	0.7940	0.2060	0.7940	0.2058	0.3159
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.4093	0.5907	0.4093	0.0020	0.5256
RT_IOT2022	1.0000	0.0005	1.0000	0.9854	0.0169
satimage	0.8911	0.0363	0.8911	0.8656	0.1816
satimageF	0.8911	0.1089	0.8911	0.0000	0.2371
satimageT	0.1011	0.8989	0.1011	0.0000	0.2389
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.2222	0.7778	0.2222	0.0000	0.4150
schizo	0.5000	0.5000	0.5000	0.0000	0.5283
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.5548	0.4452	0.5548	0.0000	0.5166
segment	0.9522	0.0110	0.9677	0.9528	0.0480
segmentO	0.1472	0.8528	0.1472	0.0000	0.3180

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.1006	0.8994	0.1006	0.0000	0.2381
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9957	0.0008	0.9957	0.9953	0.0093
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8459	0.1541	0.8459	0.0000	0.2991
shuttle	0.9997	0.0001	0.9997	0.9990	0.0138
sick	0.9337	0.0663	0.9337	0.0000	0.1669
sirtuin6	0.5000	0.5000	0.5000	0.0000	0.5283
skin	0.7978	0.2022	0.7978	0.0414	0.3557
smk_can_187	0.4737	0.5263	0.4737	0.0000	0.5305
solar-flare	0.7554	0.0815	0.7554	0.6885	0.2290
sonar	0.5000	0.5000	0.5000	0.0000	0.5283
soybean	0.9786	0.0031	0.9620	0.9905	0.0125
spambase	0.4522	0.5478	0.4522	0.0755	0.5275
spect	0.8148	0.1852	0.8148	0.2373	0.3439
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.5668	0.0185	0.5713	0.5470	0.1171
splice-EI	0.2524	0.7476	0.2524	0.0000	0.4443
splice-IE	0.2366	0.7634	0.2366	0.0000	0.4296
sport-articles	0.3700	0.6300	0.3700	0.0000	0.5154
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.9098	0.0601	0.9098	0.8531	0.2161
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6513	0.3487	0.6513	0.0000	0.4738
steel-p	0.0821	0.9179	0.0821	0.0000	0.2013
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.5385	0.3077	0.5385	0.2778	0.6337
student-weekend	0.3077	0.2769	0.3077	0.0825	0.7470
student-workday	0.7344	0.1062	0.7344	0.3786	0.3375
susy10%	0.5482	0.4518	0.5482	0.0145	0.5193
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	0.5196	0.4804	0.5196	0.0391	0.5269
swarm_grouped	0.6249	0.3751	0.6249	0.0000	0.4882
tae	0.4667	0.3556	0.4667	0.2000	0.6796
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9934	0.0047	0.9762	0.9639	0.0371
theorem	0.5859	0.4141	0.5859	0.0091	0.5064
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.6632	0.3368	0.6632	0.0000	0.4666
tis	0.2476	0.7524	0.2476	0.0000	0.4400
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.6250	0.1250	0.6250	0.5000	0.0941
tox_171	0.7647	0.1176	0.7647	0.6866	0.2732
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	1.0000	0.0000	1.0000	1.0000	0.0000
transfusion	0.7200	0.2800	0.7200	-0.0194	0.8272
trec11-wc	0.7805	0.0488	0.7805	0.7336	0.1958
trec12-wc	0.8710	0.0323	0.8710	0.8434	0.0883

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9048	0.0317	0.9048	0.8650	0.0869
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9205	0.0159	0.9205	0.9026	0.0933
trec45-wc	0.9130	0.0174	0.9130	0.8984	0.0744
tuandromd	0.8475	0.1525	0.8475	0.3406	0.3069
turkish	0.6500	0.1750	0.6500	0.5333	0.3867
tvnews	0.3659	0.6341	0.3659	0.0000	0.5139
urban	0.7910	0.0464	0.7910	0.7579	0.1737
vehicle	0.7500	0.1250	0.7500	0.6605	0.2424
vehicleVAN	0.2500	0.7500	0.2500	0.0000	0.4422
voice	0.3333	0.6667	0.3333	0.0000	0.5000
vote	0.4884	0.5116	0.4884	0.0000	0.5296
vowel	0.5354	0.0845	0.5354	0.4889	0.2875
vowelZ	0.0909	0.9091	0.0909	0.0000	0.2192
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.6410	0.0359	0.6410	0.5998	0.2520
warpar10p	0.7773	0.0460	0.7635	0.7552	0.0816
warppie10p	1.0000	0.0000	0.9885	1.0000	0.0000
watch-acc10%	0.9972	0.0008	0.9972	0.9968	0.0077
watch-gyr10%	0.9967	0.0009	0.9967	0.9961	0.0085
waveform	0.7960	0.1360	0.7960	0.6938	0.4279
web-phishing	0.8444	0.1037	0.8444	0.7229	0.3727
weight-lift	0.9964	0.0014	0.9964	0.9955	0.0121
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.2091	0.7909	0.2091	0.0196	0.1517
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7233	0.0922	0.7233	0.5552	0.3220
winequality-white	0.6789	0.0917	0.6789	0.4968	0.3972
winnipeg	0.9943	0.0016	0.9943	0.9928	0.0202
yale	0.6243	0.0507	0.6206	0.6017	0.1089
yeast	0.5338	0.0932	0.5338	0.3983	0.3994
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.0270	0.9730	0.0270	0.0000	0.0739
yeastME1	0.2838	0.7162	0.2838	0.0190	0.0976
yeastME2	0.0473	0.9527	0.0473	0.0000	0.1242
zip	0.9075	0.0185	0.9075	0.8964	0.1300
zoo	0.9000	0.0286	0.9000	0.8684	0.0295

Table 28: Detailed results for WildWood

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1727	0.0571	0.1727	0.0835	0.4363
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9831	0.0169	0.9831	0.0984	0.0586
ads	0.9665	0.0335	0.9665	0.8455	0.1092
adult	0.8266	0.1734	0.8266	0.3996	0.5430
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.0000	0.5023
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9967	0.0033	0.9967	0.1108	0.0155
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.9077	0.0923	0.9077	0.6977	0.2345
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9551	0.0180	0.9551	0.9047	0.1228
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9777	0.0111	0.9777	0.9574	0.0514
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9722	0.0070	0.9722	0.9538	0.0467
anuran-species	0.9722	0.0056	0.9722	0.9612	0.0331
aps-failure	0.9897	0.0103	0.9897	0.6437	0.2738
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.6444	0.0547	0.6444	0.3143	0.2598
auction	0.9755	0.0245	0.9755	0.8799	0.0855
audiology	0.6087	0.0326	0.6087	0.5241	0.1364
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6500	0.1167	0.6500	0.5139	0.2098
avila	0.9813	0.0031	0.9813	0.9756	0.0301
balance	0.9032	0.0645	0.9032	0.8178	0.1771
bank	0.9075	0.0925	0.9075	0.3662	0.4746
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8779	0.1221	0.8779	0.7180	0.3857
basehock	0.9849	0.0151	0.9849	0.9698	0.1051
bio	0.9964	0.0036	0.9964	0.7494	0.1025
biodeg	0.8476	0.1524	0.8476	0.6640	0.5381
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9773	0.0000	1.0000	0.1533	0.3302
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.7000	0.0857	0.7000	0.4828	0.1667
bub10at310k-hg16-17	0.9174	0.0826	0.9174	0.2076	0.3678
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.4384	0.3038
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9310	0.0345	0.9310	0.8569	0.2387
card	0.8841	0.1159	0.8841	0.7621	0.4822
cardiotocography	0.8404	0.0319	0.8404	0.8064	0.1539
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7789	0.2505
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6433	0.4476
cas_N6512_cdk_ECFP2	0.7358	0.2642	0.7358	0.4716	0.7675
cdc_diabetes	0.8489	0.1007	0.8489	0.1311	0.2683
census10%	0.9747	0.0460	0.9571	0.4168	0.3673
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9991	0.0009	0.9991	0.1467	0.1046
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6071	0.6470
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6824	0.5726
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6632	0.3368	0.6632	0.1456	0.6008
cirrhosis	0.7619	0.1587	0.7619	0.5024	0.3368
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7731	0.1134	0.7731	0.6272	0.2989
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5646	0.2902	0.5646	0.3156	0.6778
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0479
codon_usage	0.8657	0.0244	0.8657	0.8347	0.1292
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.7200	0.0373	0.7200	0.6857	0.1297
colon-tumor	0.6667	0.3333	0.6667	0.0000	0.4644
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.6897	0.3103	0.6897	0.2810	0.4723
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.8710	0.1290	0.8710	0.6884	0.4958
column-3c	0.7742	0.1505	0.7742	0.6246	0.3023
connect-4	0.9830	0.0113	0.9830	0.3967	0.0342
cottonmeloidogyne	0.7476	0.2524	0.7476	0.4959	0.7379
coupon	0.7374	0.2626	0.7374	0.4510	0.7558
covtype	0.8527	0.0421	0.8527	0.7587	0.2225
covtypeCD	0.9791	0.0209	0.9791	0.9076	0.1498
covtypeT	0.9701	0.0299	0.9701	0.7330	0.2606
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.9235	0.0255	0.9235	0.8351	0.1399
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4211	0.0799
cyclopentane	0.5926	0.4074	0.5926	0.0917	0.5093
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8267	0.1733	0.8267	0.3961	0.6381
deposit	0.8960	0.1040	0.8960	0.2604	0.4632
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4074	0.2614
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5323	0.6223
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5843	0.2870	0.5909	0.1544	0.5492
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5806	0.4194	0.5806	0.1407	0.9092
dropout	0.7562	0.1625	0.7562	0.5807	0.4431
drug-01	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4202	0.1657	0.4202	0.2451	0.3929
drug-07	0.4309	0.1626	0.4309	0.0000	0.2460
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6011	0.1140	0.6011	0.1358	0.3136
drug-14	0.5745	0.1216	0.5745	0.0176	0.2585
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5585	0.1261	0.5585	0.1611	0.3144
drug-17	0.3936	0.1733	0.3936	0.1424	0.4174
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9177	0.0235	0.9177	0.9004	0.1328
ecoli	0.8529	0.0368	0.8529	0.7942	0.1221
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6043	0.6300
ecoliMU	0.9091	0.0909	0.9091	0.3529	0.6260
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5045	0.0619	0.5045	0.4467	0.4940
eeg-eye	0.8692	0.1308	0.8692	0.7327	0.4948
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6512	0.5284
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.5104	0.2015
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9839	0.0161	0.9839	0.9675	0.1023
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.5279	0.2289
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8809	0.1649
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6142	0.5398
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6027	0.1589	0.6027	0.4751	0.3569
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9740	0.0260	0.9740	0.9477	0.1520
fbis-wc	0.7764	0.0263	0.7764	0.7416	0.1374
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6066	0.1741
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.4160	0.0076	0.4160	0.3587	0.2567
forest	0.9423	0.0288	0.9423	0.9202	0.0504
gas	0.9950	0.0017	0.9950	0.9939	0.0119
gastrointestinal	0.7500	0.1667	0.7500	0.5616	0.2839
gender	0.5916	0.2723	0.5916	0.0769	0.4871
gene	0.9274	0.0484	0.9274	0.8829	0.2063
german	0.6600	0.3400	0.6600	0.0368	0.4706
gina	0.9251	0.0749	0.9251	0.8502	0.3539
glass	0.7619	0.0794	0.7619	0.6500	0.1604
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	0.6667	0.3333	0.6667	0.3333	0.5000
grub-damage	0.3333	0.3333	0.3333	0.0506	0.5199
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.9442	0.0093	0.9442	0.9340	0.0589
har70	0.9318	0.0195	0.9318	0.8981	0.0922
harth10%	0.8623	0.0253	0.8332	0.8037	0.2062
hayes-roth	0.8750	0.0833	0.8750	0.8049	0.1629
hcc-survival	0.5882	0.4118	0.5882	0.0000	0.5049
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9000	0.1000	0.9000	0.7964	0.3038
hepatitis	0.8000	0.2000	0.8000	0.0000	0.3522

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8588	0.1412	0.8588	0.7178	0.5338
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.8000	0.2000	0.8000	0.4118	0.3750
higgs10%	0.7276	0.2724	0.7276	0.4525	0.7840
higher	0.2857	0.1786	0.2857	0.0968	0.3480
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8634	0.1366	0.8634	0.3220	0.4307
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.5833	0.2778	0.5833	0.1401	0.3449
htru2	0.9771	0.0229	0.9771	0.8557	0.2417
ht-sensor	0.9999	0.0001	0.9999	0.9999	0.0006
hypothyroid	0.9894	0.0053	0.9894	0.9384	0.0999
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8832	0.0090	0.8832	0.8785	0.0939
jm1	0.8145	0.1855	0.8145	0.0977	0.4699
fvowels	0.9548	0.0100	0.9548	0.9488	0.0680
kc1	0.8720	0.1280	0.8720	0.2727	0.2697
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.0000	0.1526
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.8077	0.1923	0.8077	0.4235	0.7319
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6050	0.0439	0.6050	0.5553	0.3605
krvskp	0.9843	0.0157	0.9843	0.9686	0.1069
la1s-wc	0.8159	0.0614	0.8159	0.7619	0.2032
la2s-wc	0.8344	0.0552	0.8344	0.7858	0.1855
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.5294	0.0235	0.5294	0.5112	0.0783
led24	0.7000	0.0600	0.7000	0.6571	0.1525
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9295	0.0054	0.9295	0.9266	0.0810
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.6957	0.3522
libra	0.7778	0.0296	0.7778	0.7618	0.0900
linkage10%	0.9905	0.0001	1.0000	1.0000	0.0211
liver	0.7059	0.2941	0.7059	0.1707	0.7028
localization	0.7059	0.0535	0.7059	0.6159	0.2884
lrs	0.8491	0.0302	0.8491	0.7886	0.0945
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6769	0.1268
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8367	0.0486
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7143	0.1429	0.7143	0.4510	0.3188
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.7269	0.2731	0.7269	0.4538	0.7841
magic04	0.8711	0.1289	0.8711	0.7073	0.5024

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8542	0.1458	0.8542	0.7080	0.5499
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7327	0.1782	0.7327	0.5928	0.4996
messidor	0.6609	0.3391	0.6609	0.3390	0.8092
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0544
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1655
mfeat-kar	0.9800	0.0040	0.9800	0.9778	0.0250
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2130
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0414
mfeat-zer	0.7400	0.0520	0.7400	0.7111	0.1694
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4469	0.4111
mobile	0.9056	0.0034	0.9056	0.9039	0.0430
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.7049	0.2951	0.7049	0.1794	0.4490
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9515	0.0485	0.9515	0.7891	0.1837
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	0.8605
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.8305
mutagen_class_3	0.4493	0.5507	0.4493	-0.0952	1.0000
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7888
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.2973	0.8677
MUT_ci300400a	0.8283	0.1717	0.8283	0.6496	0.6133
MUT_ci300400a_cdk_ECFP2	0.7854	0.2146	0.7854	0.5570	0.6972
myocardial	0.8706	0.0324	0.8706	0.2901	0.1087
naticusdroid	0.9690	0.0310	0.9690	0.9379	0.1864
nci9	0.5000	0.1111	0.5000	0.4194	0.1042
ncRNA10%	0.9033	0.0094	0.9123	0.7368	0.4370
newspop	0.6635	0.3365	0.6635	0.3163	0.8557
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9611	0.0389	0.9611	0.9039	0.2399
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0000	0.3630
nursery	0.9591	0.0164	0.9591	0.9397	0.0566
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0835
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9729	0.0175
oh0-wc	0.9010	0.0198	0.9010	0.8862	0.0898
oh10-wc	0.7714	0.0457	0.7714	0.7376	0.1862
oh15-wc	0.8696	0.0261	0.8696	0.8510	0.1051
oh5-wc	0.8681	0.0264	0.8681	0.8503	0.1177
opn310k	0.9155	0.0845	0.9155	0.1643	0.3451
opnat310k-hg16-17	0.9178	0.0822	0.9178	0.1908	0.3066
optdigits	0.9555	0.0089	0.9555	0.9505	0.0591
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8625	0.3031

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8550	0.1675
particle	0.9269	0.0731	0.9269	0.8175	0.3857
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.8553	0.1447	0.8553	0.5217	0.3086
pediatric-leukemia	0.7647	0.0672	0.7647	0.7056	0.1787
pendigits	0.9854	0.0029	0.9854	0.9838	0.0236
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5709	0.6496
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8460
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8968	0.1032	0.8968	0.7947	0.4011
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.6000	0.4000	0.6000	0.1304	0.9336
phishing	0.9592	0.0408	0.9592	0.9137	0.2211
phoneme	0.8852	0.1148	0.8852	0.7150	0.5180
phy	0.7136	0.2864	0.7136	0.4271	0.8029
pima	0.6974	0.3026	0.6974	0.3063	0.7532
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.5892	0.0822	0.5892	0.1985	0.1598
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9490	0.0510	0.9490	0.0704	0.1378
polish-5th	0.9492	0.0508	0.9492	0.4608	0.3502
polya	0.7578	0.2422	0.7578	0.4152	0.6738
popularity	0.6646	0.2236	0.6646	0.1646	0.4208
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9804	0.0078	0.9804	0.9755	0.0482
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8284
primary-tumor	0.4242	0.0523	0.4242	0.3435	0.2328
profb	0.6716	0.3284	0.6716	0.0000	0.4612
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9937	0.0025	0.9937	0.9915	0.0200
pufs-6410%	0.4979	0.5021	0.4979	-0.0044	0.9739
raisin	0.8778	0.1222	0.8778	0.7556	0.4709
re0-wc	0.7600	0.0369	0.7600	0.6641	0.1497
re1-wc	0.7470	0.0202	0.7470	0.7001	0.1294
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6763	0.3237	0.6763	0.3009	0.8445
RT_IOT2022	0.9971	0.0005	0.9971	0.9927	0.0058
satimage	0.8927	0.0358	0.8927	0.8669	0.1530
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9347	0.0653	0.9347	0.5401	0.3749
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.5588	0.4412	0.5588	0.1176	0.5228
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9697	0.0087	0.9697	0.9646	0.0389
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9954	0.0008	0.9954	0.9949	0.0092
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.9051	0.0949	0.9051	0.5851	0.5061
shuttle	0.9997	0.0001	0.9997	0.9990	0.0004
sick	0.9682	0.0318	0.9682	0.6843	0.2258
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0085
smk_can_187	0.6842	0.3158	0.6842	0.3523	0.7434
solar-flare	0.7554	0.0815	0.7554	0.6835	0.1895
sonar	0.5500	0.4500	0.5500	0.1000	0.9473
soybean	0.9706	0.0031	0.9706	0.9676	0.0134
spambase	0.9304	0.0696	0.9304	0.8526	0.3227
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.8571	0.1429	0.8571	0.5882	0.3145
spectrometer	0.4906	0.0212	0.4906	0.4557	0.1449
splice-EI	0.9464	0.0536	0.9464	0.8485	0.2109
splice-IE	0.8896	0.1104	0.8896	0.6396	0.3169
sport-articles	0.8100	0.1900	0.8100	0.5992	0.6575
squash-stored	0.6000	0.2667	0.6000	0.3333	0.3340
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8564	0.1436	0.8564	0.4846	0.5572
steel-d	0.9795	0.0205	0.9795	0.4922	0.0689
steel_industry	0.8993	0.0672	0.8993	0.8362	0.2321
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.7949	0.2051	0.7949	0.5117	0.6435
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9744	0.0256	0.9744	0.8432	0.2195
studentap	0.4615	0.3590	0.4615	0.1250	0.3871
student-weekend	0.3846	0.2462	0.3846	0.0000	0.3498
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7985	0.2015	0.7985	0.5895	0.6514
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6099
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9673	0.0060	0.9673	0.9639	0.0422
theorem	0.9984	0.0016	0.9984	0.9966	0.0133
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8901	0.1099	0.8901	0.6589	0.3396
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1603
tox_171	0.6471	0.1765	0.6471	0.5342	0.2336
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7333	0.2667	0.7333	0.1749	0.8373
trec11-wc	0.8293	0.0379	0.8293	0.7842	0.0809
trec12-wc	0.8710	0.0323	0.8710	0.8426	0.0851

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.8095	0.0635	0.8095	0.7083	0.1453
trec31-wc	0.9462	0.0154	0.9462	0.9281	0.0704
trec41-wc	0.8864	0.0227	0.8864	0.8592	0.0981
trec45-wc	0.8841	0.0232	0.8841	0.8630	0.0840
tuandromd	0.9821	0.0179	0.9821	0.9457	0.1915
turkish	0.8000	0.1000	0.8000	0.7333	0.2889
tvnews	0.9349	0.0651	0.9349	0.8580	0.3190
urban	0.8358	0.0365	0.8358	0.8068	0.1483
vehicle	0.7738	0.1131	0.7738	0.6937	0.2529
vehicleVAN	0.9762	0.0238	0.9762	0.9365	0.1838
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6566	0.0624	0.6566	0.6222	0.2002
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9105	0.0895	0.9105	0.0283	0.2071
wap-wc	0.7115	0.0288	0.7115	0.6709	0.1569
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9310	0.0197	0.9310	0.9192	0.0881
watch-gyr10%	0.9263	0.0211	0.9263	0.9139	0.0956
waveform	0.8360	0.1093	0.8360	0.7540	0.3728
web-phishing	0.8370	0.1086	0.8370	0.6991	0.3933
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0032
white-clover	0.5000	0.2500	0.5000	-0.2857	0.3909
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9834	0.0166	0.9834	0.8011	0.1818
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5660	0.1447	0.5660	0.2707	0.3565
winequality-white	0.5460	0.1297	0.5460	0.2564	0.3731
winnipeg	0.9951	0.0014	0.9951	0.9938	0.0202
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5811	0.0838	0.5811	0.4569	0.3132
yeastCYT-POX	0.9592	0.0408	0.9592	0.4787	0.5697
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.9312	0.0138	0.9312	0.9229	0.1055
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 29: Detailed results for BalancedRandomForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0695	0.0642	0.0695	0.0365	0.5969
abalone19	0.7201	0.2799	0.7201	0.0029	0.0713
abalone9-18	0.7123	0.2877	0.7123	0.2003	0.3372
accelerometer	0.8731	0.1269	0.8731	0.1779	0.2814
ads	0.9756	0.0244	0.9756	0.9007	0.2654
adult	0.8090	0.1910	0.8090	0.5503	0.6401
AID1284Morered	0.5556	0.4444	0.5556	0.0740	0.6007
AID1284red	0.5000	0.5000	0.5000	0.0386	0.5810
AID_1431	0.4762	0.5238	0.4762	-0.1056	0.4559
AID1608Morered	0.5728	0.4272	0.5728	0.1082	0.3408
AID1608red	0.6699	0.3301	0.6699	0.1007	0.3764
AID_1878	0.6286	0.3714	0.6286	0.1241	0.7386
AID362red	0.8014	0.1986	0.8014	0.0408	0.1667
AID373AID439red	0.7088	0.2912	0.7088	0.0008	0.0017
AID373red	0.7755	0.2245	0.7755	0.0039	0.0130
AID439Morered	0.7143	0.2857	0.7143	0.3636	0.5000
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.6774	0.3226	0.6774	0.0002	0.0293
AID600_MACCS	0.5946	0.4054	0.5946	0.2172	0.8672
AID_602330	0.5573	0.4427	0.5573	0.0107	0.2586
AID604	0.8683	0.1317	0.8683	0.0446	0.0719
AID604AID644_AllRed	0.8337	0.1663	0.8337	0.0060	0.0166
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.3131	0.4579	0.3131	0.0427	0.3644
AID687AID721red	0.4882	0.5118	0.4882	0.0012	0.0034
AID687red	0.6377	0.3623	0.6377	0.0056	0.0261
AID688red	0.5513	0.4487	0.5513	0.0029	0.0675
AID721morered	0.2222	0.7778	0.2222	-0.4651	0.7939
AID721red	0.3333	0.6667	0.3333	0.0690	0.4422
AID746AID1284red	0.7339	0.2661	0.7339	0.0043	0.0112
AID746red	0.7247	0.2753	0.7247	0.0214	0.0613
AID_773	0.3704	0.6296	0.3704	-0.1007	0.5052
AID852_MACCS	0.8154	0.1846	0.8154	0.5244	0.6822
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.7865	0.0854	0.7865	0.6523	0.2518
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9332	0.0334	0.9332	0.8764	0.3088
anuran-f-b	0.9805	0.0195	0.9805	0.4545	0.4809
anuran-genus	0.9360	0.0160	0.9360	0.8982	0.2318
anuran-species	0.9653	0.0069	0.9653	0.9519	0.1057
aps-failure	0.9467	0.0533	0.9467	0.3804	0.4466
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.2889	0.1094	0.2889	0.2161	0.4399
auction	0.9902	0.0098	0.9902	0.9573	0.1761
audiology	0.4348	0.0471	0.4348	0.3758	0.0866
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6500	0.1167	0.6500	0.5611	0.2566
avila	0.5520	0.0747	0.5520	0.4750	0.6087
balance	0.5968	0.2688	0.5968	0.3974	0.4971
bank	0.8509	0.1491	0.8509	0.5037	0.5733
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9032	0.0968	0.9032	0.7881	0.4314
basehock	0.9849	0.0151	0.9849	0.9698	0.1051
bio	0.9763	0.0237	0.9763	0.4100	0.4638
biodeg	0.8667	0.1333	0.8667	0.7226	0.5300
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9633	0.0000	1.0000	0.1524	0.3204
block10%	0.9999	0.0001	0.9999	0.9858	0.0757
block10%	0.9999	0.0001	0.9999	0.9858	0.0757
breast-cancer	0.6786	0.3214	0.6786	0.3368	0.7643
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.7913	0.2087	0.7913	0.3080	0.5612
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8576	0.3254
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.8506	0.0747	0.8506	0.7187	0.3024
card	0.8986	0.1014	0.8986	0.7928	0.4424
cardiotocography	0.8216	0.0357	0.8216	0.7920	0.2089
cardiotocography-nsp	0.8920	0.0720	0.8920	0.7371	0.4227
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.6207	0.4680
cas_N6512_cdk_ECFP2	0.7849	0.2151	0.7849	0.5693	0.6897
cdc_diabetes	0.5933	0.2712	0.5933	0.2107	0.4962
census10%	0.9599	0.0465	0.9516	0.4228	0.3647
central-nervous-system	0.5000	0.5000	0.5000	0.1818	0.5239
cervical-B	0.9302	0.0698	0.9302	0.5343	0.5962
cervical-C	0.8140	0.1860	0.8140	0.1236	0.5157
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9070	0.0930	0.9070	0.5497	0.6033
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9834	0.0166	0.9834	0.0974	0.1383
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2871	0.7837
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7740	0.4481
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.7053	0.2947	0.7053	0.4179	0.7587
cirrhosis	0.6667	0.2222	0.6667	0.4357	0.5733
cjs	0.9964	0.0012	0.9964	0.9956	0.0106
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7269	0.1366	0.7269	0.6148	0.4645
climate	0.8519	0.1481	0.8519	0.3609	0.5697
cil_sub_111	0.4167	0.3889	0.4167	0.0455	0.5904
cm1	0.6800	0.3200	0.6800	0.1398	0.5505
cmc	0.5442	0.3039	0.5442	0.3100	0.6966
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0628
codon_usage	0.6723	0.0596	0.6723	0.6138	0.4508
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.7200	0.0373	0.7200	0.6946	0.1512
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-2	0.6897	0.3103	0.6897	0.3040	0.8359
colposcopies-3	0.7931	0.2069	0.7931	0.5735	0.6840
colposcopies-4	0.5172	0.4828	0.5172	0.0193	0.8693

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.3940	0.6550
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.7241	0.2759	0.7241	0.3136	0.7964
column-2c	0.9355	0.0645	0.9355	0.8597	0.3145
column-3c	0.8065	0.1290	0.8065	0.6895	0.2733
connect-4	0.9506	0.0330	0.9506	0.4318	0.4993
cottonmeloidogyne	0.7596	0.2404	0.7596	0.5197	0.7246
coupon	0.7508	0.2492	0.7508	0.4960	0.7492
covtype	0.7803	0.0628	0.7803	0.6682	0.4544
covtypeCD	0.9697	0.0303	0.9697	0.8815	0.3332
covtypeT	0.9517	0.0483	0.9517	0.7131	0.5111
cox2_cdk_ECFP2	0.7391	0.2609	0.7391	0.3381	0.7293
crowdsourced	0.8774	0.0409	0.8774	0.7697	0.3761
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.6250	0.0187	0.6250	0.6133	0.0616
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7963	0.2037	0.7963	0.5903	0.6643
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6923	0.3077	0.6923	0.2353	0.3900
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7480	0.2520	0.7480	0.3771	0.7425
deposit	0.8357	0.1643	0.8357	0.4792	0.5768
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4146	0.3469
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4858	0.7520
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5683	0.2793	0.5668	0.1544	0.5375
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.3333	0.5239
dlbcl-nih	0.4167	0.5833	0.4167	-0.2000	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5727	0.4273	0.5727	0.1469	0.9479
dropout	0.7336	0.1776	0.7336	0.5803	0.4572
drug-01	0.1649	0.2386	0.1649	0.0413	0.7899
drug-02	0.3564	0.1839	0.3564	0.1980	0.7614
drug-03	0.1755	0.2356	0.1755	0.0497	0.6680
drug-04	0.2713	0.2082	0.2713	0.1191	0.7307
drug-05	0.1117	0.2538	0.1117	0.0258	0.6132
drug-06	0.2713	0.2082	0.2713	0.1434	0.7098
drug-07	0.1117	0.2538	0.1117	-0.0449	0.7934
drug-08	0.2979	0.2006	0.2979	0.1125	0.7984
drug-09	0.2606	0.2112	0.2606	0.0179	0.4935
drug-10	0.3298	0.1915	0.3298	0.1680	0.7291
drug-11	0.4415	0.1596	0.4415	0.0982	0.5609
drug-12	0.2340	0.2188	0.2340	0.0661	0.5875
drug-13	0.3830	0.1763	0.3830	0.1910	0.6639
drug-14	0.4734	0.1505	0.4734	0.2913	0.7408
drug-15	0.3830	0.1763	0.3830	0.1044	0.7134
drug-16	0.3617	0.1824	0.3617	0.1874	0.6799
drug-17	0.2234	0.2219	0.2234	0.1077	0.7366
drug-18	0.3617	0.2553	0.3617	0.0090	0.0148
drug-19	0.3085	0.1976	0.3085	0.0694	0.6657
drybean	0.9199	0.0229	0.9199	0.9032	0.1304
ecoli	0.7059	0.0735	0.7059	0.6009	0.1981
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6341	0.5914
ecoliMU	0.6970	0.3030	0.6970	0.1667	0.5194
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.4344	0.0707	0.4344	0.3911	0.6464
eeg-eye	0.9226	0.0774	0.9226	0.8434	0.3648
EPA_FHM	0.8852	0.1148	0.8852	0.4837	0.5131
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6875	0.5513
er_tox_rdkit_ATOMPAIR	0.8361	0.1639	0.8361	0.3207	0.4238
er_tox_rdkit_AVALON	0.8852	0.1148	0.8852	0.6328	0.5223
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.8548	0.1452	0.8548	0.5536	0.6279
er_tox_rdkit_MACCS	0.8548	0.1452	0.8548	0.3497	0.4422
er_tox_rdkit_MORGAN	0.8226	0.1774	0.8226	0.2969	0.4064
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5379	0.5943
er_tox_rdkit_TORSION	0.8387	0.1613	0.8387	0.3217	0.4238
eucalyptus	0.6301	0.1479	0.6301	0.5316	0.3810
euthyroid	0.9525	0.0475	0.9525	0.7625	0.4738
exon.vs.intron-freq	0.9828	0.0172	0.9828	0.9655	0.1127
fbis-wc	0.8049	0.0230	0.8049	0.7816	0.1943
fda.atompair_fp	0.5000	0.5000	0.5000	-0.0901	0.9073
fertility	0.5000	0.5000	0.5000	-0.1905	0.5180
flags	0.4500	0.1375	0.4500	0.3855	0.2138
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.3628	0.0083	0.3628	0.3460	0.7720
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9950	0.0017	0.9950	0.9939	0.0128
gastrointestinal	0.7500	0.1667	0.7500	0.6279	0.3098
gender	0.4653	0.3565	0.4653	0.1423	0.7176
gene	0.9338	0.0442	0.9338	0.8947	0.1941
german	0.6400	0.3600	0.6400	0.2389	0.8814
gina	0.9539	0.0461	0.9539	0.9078	0.2505
glass	0.6190	0.1270	0.6190	0.5385	0.2968
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.8636	0.1364	0.8636	0.3529	0.4422
glassVWFP	0.5714	0.4286	0.5714	0.1043	0.2369
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.3103	0.4958
haberman	0.7000	0.3000	0.7000	0.3602	0.7481
hapt	0.8957	0.0174	0.8957	0.8769	0.1546
har70	0.7727	0.0650	0.7727	0.7034	0.2236
harth10%	0.8523	0.0249	0.8539	0.8032	0.2031
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9333	0.0667	0.9333	0.8661	0.3279
hepatitis	0.8667	0.1333	0.8667	0.6667	0.5000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8640	0.1360	0.8640	0.7280	0.5249
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.7380	0.2620	0.7380	0.4763	0.7649
higher	0.2143	0.1964	0.2143	0.0941	0.3561
hinselmann	0.5000	0.5000	0.5000	0.0000	0.7460
hiv1-proteasa	0.8887	0.1113	0.8887	0.6687	0.5507
hiva	0.7849	0.2151	0.7849	0.0772	0.3387
horse	0.6389	0.2407	0.6389	0.4236	0.6315
htru2	0.9609	0.0391	0.9609	0.7893	0.4465
ht-sensor	0.9999	0.0000	0.9999	0.9999	0.0004
hypothyroid	0.6340	0.1830	0.6340	0.2025	0.4002
hypothyroidT	0.9894	0.0106	0.9894	0.9297	0.2551
ilpd	0.6610	0.3390	0.6610	0.2752	0.8175
immuno-therapy	0.8889	0.1111	0.8889	0.7273	0.4644
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9012	0.0076	0.9012	0.8972	0.0813
jm1	0.6841	0.3159	0.6841	0.2776	0.7063
jvowels	0.9769	0.0051	0.9769	0.9738	0.0396
kc1	0.7014	0.2986	0.7014	0.2725	0.6536
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.2857	0.0595	0.2857	0.1139	0.0841
kc1-class-level-top5percentDF	0.5333	0.4667	0.5333	-0.1290	0.3873
kc2	0.8077	0.1923	0.8077	0.5674	0.5244
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.4449	0.0617	0.4449	0.3902	0.6074
krvskp	0.9875	0.0125	0.9875	0.9749	0.0814
la1s-wc	0.8952	0.0349	0.8952	0.8697	0.1828
la2s-wc	0.8543	0.0486	0.8543	0.8196	0.2488
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6909	0.0643
led24	0.7000	0.0600	0.7000	0.6610	0.1237
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9640	0.0028	0.9640	0.9625	0.0435
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8889	0.0148	0.8889	0.8807	0.0496
linkage10%	0.9976	0.0001	1.0000	0.9931	0.0216
liver	0.8235	0.1765	0.8235	0.6151	0.6335
localization	0.6001	0.0727	0.6001	0.5331	0.5808
lrs	0.5660	0.0868	0.5660	0.4322	0.2253
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.8571	0.0571	0.8571	0.7649	0.1331
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.6721	0.3698
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6557	0.2142
lymphoma2	0.6667	0.0741	0.6667	0.6029	0.0294
madelon	0.7692	0.2308	0.7692	0.5385	0.7188
magic04	0.8722	0.1278	0.8722	0.7238	0.5287

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5860	0.6544
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.6783	0.3217	0.6783	0.3499	0.8475
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9700	0.0060	0.9700	0.9667	0.0353
mfeat-fou	0.8050	0.0390	0.8050	0.7833	0.1495
mfeat-kar	0.9800	0.0040	0.9800	0.9778	0.0252
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2070
mfeat-pix	0.9850	0.0030	0.9850	0.9833	0.0163
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1440
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4463	0.4305
mobile	0.9476	0.0019	0.9476	0.9466	0.0245
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9508	0.0492	0.9508	0.8946	0.2605
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9470	0.0530	0.9470	0.8041	0.4136
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9782
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.8235	0.1765	0.8235	0.6471	0.6181
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.4981	0.7268
MUT_ci300400a	0.8459	0.1541	0.8459	0.6890	0.5671
MUT_ci300400a_cdk_ECFP2	0.8141	0.1859	0.8141	0.6253	0.6295
myocardial	0.5235	0.1191	0.5235	0.1960	0.4699
naticusdroid	0.9717	0.0283	0.9717	0.9434	0.1736
nci9	0.5000	0.1111	0.5000	0.4375	0.0440
ncRNA10%	0.8995	0.0095	0.9252	0.7586	0.4356
newspop	0.6655	0.3345	0.6655	0.3293	0.8628
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9626	0.0374	0.9626	0.9098	0.2565
NPHA-doctor-visits	0.3194	0.4537	0.3194	-0.0238	0.8099
nursery	0.6327	0.1469	0.6327	0.5129	0.3538
obs	0.9722	0.0139	0.9722	0.9591	0.0599
occupancy	0.9922	0.0078	0.9922	0.9783	0.0971
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9820	0.0280
oh0-wc	0.9109	0.0178	0.9109	0.8987	0.0849
oh10-wc	0.7619	0.0476	0.7619	0.7319	0.2361
oh15-wc	0.9022	0.0196	0.9022	0.8892	0.1058
oh5-wc	0.8901	0.0220	0.8901	0.8762	0.1190
opn310k	0.8001	0.1999	0.8001	0.3238	0.5651
opnat310k-hg16-17	0.8061	0.1939	0.8061	0.3365	0.5669
optdigits	0.9644	0.0071	0.9644	0.9604	0.0524
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8419	0.1581	0.8419	0.2662	0.3697
ozone8hr	0.7905	0.2095	0.7905	0.2239	0.5409
p53-mutants10%	0.7707	0.2293	0.7707	0.0209	0.0385
page-blocks	0.9104	0.0358	0.9104	0.6509	0.4234

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.9257	0.0743	0.9257	0.8244	0.3984
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.7748	0.2252	0.7748	0.2760	0.4721
pcmac	0.4897	0.5103	0.4897	0.0048	0.9681
pd	0.8684	0.1316	0.8684	0.6923	0.5240
pediatric-leukemia	0.7941	0.0588	0.7941	0.7516	0.2090
pendigits	0.9936	0.0013	0.9936	0.9929	0.0124
period	0.6667	0.3333	0.6667	0.4000	0.5283
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6677	0.5861
P-Glycoprotein_b_Substrate	0.7400	0.2600	0.7400	0.4800	0.7557
P-Glycoprotein_c_RDkit_AtomPair_FP	0.9048	0.0952	0.9048	0.8103	0.3850
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9796	0.0204	0.9796	0.9573	0.1420
phoneme	0.8944	0.1056	0.8944	0.7596	0.4699
phy	0.7128	0.2872	0.7128	0.4255	0.8041
pima	0.8026	0.1974	0.8026	0.5940	0.6633
plx	0.5000	0.5000	0.5000	-0.0519	0.8981
poker	0.1718	0.1656	0.1718	0.0042	0.9276
polish-1st	0.7767	0.2233	0.7767	0.1873	0.3279
polish-2nd	0.7306	0.2694	0.7306	0.1289	0.3084
polish-3rd	0.7181	0.2819	0.7181	0.1140	0.3535
polish-4th	0.7490	0.2510	0.7490	0.2004	0.3806
polish-5th	0.8443	0.1557	0.8443	0.3588	0.5340
polya	0.7643	0.2357	0.7643	0.5114	0.7183
popularity	0.4905	0.3396	0.4905	0.2162	0.6299
post-operative	0.4444	0.3704	0.4444	0.1667	0.3263
postures	0.9885	0.0046	0.9885	0.9856	0.0307
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8284
primary-tumor	0.3636	0.0579	0.3636	0.3232	0.1817
profb	0.6119	0.3881	0.6119	0.2433	0.8189
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9947	0.0021	0.9947	0.9929	0.0221
pufs-6410%	0.5007	0.4993	0.5007	0.0013	0.9983
raisin	0.9000	0.1000	0.9000	0.8000	0.4311
re0-wc	0.6733	0.0503	0.6733	0.6105	0.3372
re1-wc	0.6446	0.0284	0.6446	0.6211	0.2269
rejafada	0.9950	0.0050	0.9950	0.9307	0.2605
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7025	0.2975	0.7025	0.4179	0.7586
RT_IOT2022	0.9861	0.0023	0.9861	0.9652	0.0609
satimage	0.9145	0.0285	0.9145	0.8949	0.1502
satimageF	0.9860	0.0140	0.9860	0.9301	0.2271
satimageT	0.8756	0.1244	0.8756	0.5452	0.5541
scadi	0.5714	0.1224	0.5714	0.4615	0.1141
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.6538	0.3462	0.6538	0.1084	0.3893
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9784	0.0062	0.9784	0.9747	0.0275
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.7597	0.2403	0.7597	0.1938	0.4680
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.6737	0.3263	0.6737	0.1495	0.6434
sens-2-gram	0.7026	0.2974	0.7026	0.2130	0.6368
sens-3-gram	0.7474	0.2526	0.7474	0.2675	0.6571
sens-4-gram	0.7158	0.2842	0.7158	0.1569	0.6831
sensorless	0.9990	0.0002	0.9990	0.9989	0.0024
sepsis	0.5344	0.4656	0.5344	0.0877	0.4195
shoppers	0.8637	0.1363	0.8637	0.5759	0.6069
shuttle	0.9922	0.0022	0.9922	0.9785	0.2461
sick	0.9682	0.0318	0.9682	0.7687	0.4577
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9994	0.0006	0.9994	0.9983	0.0131
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.6906	0.1031	0.6906	0.6156	0.2741
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9678	0.0165
spambase	0.9370	0.0630	0.9370	0.8685	0.3242
spect	0.6667	0.3333	0.6667	0.3721	0.5239
spectf	0.8857	0.1143	0.8857	0.7200	0.5179
spectrometer	0.3962	0.0252	0.3962	0.3662	0.1592
splice-EI	0.9558	0.0442	0.9558	0.8894	0.2925
splice-IE	0.9243	0.0757	0.9243	0.8048	0.4266
sport-articles	0.8200	0.1800	0.8200	0.6304	0.6145
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.2308	0.1805
steel-b	0.7949	0.2051	0.7949	0.5061	0.6424
steel-d	0.9231	0.0769	0.9231	0.3706	0.4918
steel_industry	0.9170	0.0554	0.9170	0.8659	0.2102
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.8051	0.1949	0.8051	0.5906	0.6543
steel-p	0.8462	0.1538	0.8462	0.4316	0.5323
steel-s	0.9744	0.0256	0.9744	0.6925	0.4821
steel-z	0.9641	0.0359	0.9641	0.8247	0.4176
studentap	0.5385	0.3077	0.5385	0.3036	0.4805
student-weekend	0.2615	0.2954	0.2615	0.0695	0.6854
student-workday	0.5000	0.2000	0.5000	0.1651	0.7013
susy10%	0.7980	0.2020	0.7980	0.5906	0.6649
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.7500	0.2500	0.7500	0.4490	0.6445
texture	0.9800	0.0036	0.9800	0.9779	0.0299
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.6170	0.3830	0.6170	0.1151	0.6565
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8811	0.1189	0.8811	0.7115	0.5239
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	1.0000	0.0000	1.0000	1.0000	0.0000
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.4706	0.5294	0.4706	-0.1168	0.9859
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5733	0.4267	0.5733	0.0762	0.8280
trec11-wc	0.5610	0.0976	0.5610	0.4993	0.2667
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0953

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6364	0.1212	0.6364	0.4612	0.3528
trec23-wc	0.7619	0.0794	0.7619	0.6698	0.2352
trec31-wc	0.5484	0.1290	0.5484	0.4606	0.3699
trec41-wc	0.7955	0.0409	0.7955	0.7582	0.2208
trec45-wc	0.8841	0.0232	0.8841	0.8648	0.1024
tuandromd	0.9821	0.0179	0.9821	0.9457	0.1915
turkish	0.8250	0.0875	0.8250	0.7667	0.2430
tvnews	0.9574	0.0426	0.9574	0.9081	0.2456
urban	0.8657	0.0299	0.8657	0.8431	0.1224
vehicle	0.7619	0.1190	0.7619	0.6775	0.2247
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6566	0.0624	0.6566	0.6222	0.1927
vowelZ	0.9798	0.0202	0.9798	0.8889	0.3322
vrnormat310k-hg16-17	0.8298	0.1702	0.8298	0.3745	0.5831
wap-wc	0.5962	0.0404	0.5962	0.5558	0.3123
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9962	0.0011	0.9962	0.9956	0.0090
watch-gyr10%	0.9922	0.0022	0.9922	0.9909	0.0156
waveform	0.8400	0.1067	0.8400	0.7600	0.3679
web-phishing	0.8519	0.0988	0.8519	0.7490	0.4105
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0018
white-clover	0.3333	0.3333	0.3333	0.0000	0.1934
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9441	0.0559	0.9441	0.5929	0.5499
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.3585	0.2138	0.3585	0.1768	0.7079
winequality-white	0.3006	0.1998	0.3006	0.1241	0.7427
winnipeg	0.9851	0.0043	0.9851	0.9812	0.0776
yale	0.8125	0.0250	0.8125	0.7983	0.0407
yeast	0.5811	0.0838	0.5811	0.4707	0.5465
yeastCYT-POX	0.7755	0.2245	0.7755	0.2108	0.3281
yeastEXC	0.8851	0.1149	0.8851	0.2877	0.3783
yeastME1	0.9392	0.0608	0.9392	0.4478	0.4858
yeastME2	0.8581	0.1419	0.8581	0.2691	0.4861
zip	0.9462	0.0108	0.9462	0.9398	0.0901
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 30: Detailed results for HybridGB

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1415	0.0592	0.1415	0.0573	0.5644
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9850	0.0150	0.9850	0.3283	0.2418
ads	0.9726	0.0274	0.9726	0.8785	0.1617
adult	0.8686	0.1315	0.8686	0.6049	0.5562
AID1284Morered	0.8056	0.1944	0.8056	-0.0862	0.8010
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8286	0.1714	0.8286	0.1888	0.6032
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9988	0.0012	0.9988	-0.0003	0.1918
AID373red	0.9908	0.0092	0.9908	-0.0018	0.1540
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2634	0.8879
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9968	0.0032	0.9968	0.1617	0.0150
AID604AID644_AllRed	0.9980	0.0020	0.9980	0.1419	0.5047
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9964	0.0036	0.9964	-0.0010	0.2227
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9967	0.0033	0.9967	-0.0014	0.3657
AID746red	0.9938	0.0062	0.9938	-0.0003	0.1661
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9663	0.0135	0.9663	0.9297	0.1089
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9654	0.0453
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9819	0.0045	0.9819	0.9702	0.0649
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0236
aps-failure	0.9930	0.0070	0.9930	0.7802	0.2365
arcene	0.9000	0.1000	0.9000	0.7826	0.2846
arrhythmia	0.8000	0.0308	0.8000	0.6851	0.2114
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7473	0.0705
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8012	0.0331	0.8012	0.7470	0.4536
balance	0.8871	0.0753	0.8871	0.7927	0.2697
bank	0.9150	0.0850	0.9150	0.5422	0.5715
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9009	0.0991	0.9009	0.7746	0.3471
basehock	0.9548	0.0452	0.9548	0.9096	0.2353
bio	0.9972	0.0028	0.9972	0.8226	0.1634
biodeg	0.9238	0.0762	0.9238	0.8385	0.3706
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9686	0.0000	1.0000	0.1491	0.3257
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7857	0.2143	0.7857	0.3824	0.6553
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.8000	0.0571	0.8000	0.7143	0.1393
bub10at310k-hg16-17	0.9220	0.0780	0.9220	0.3343	0.4619
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5957	0.5032
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9885	0.0057	0.9885	0.9755	0.0473
card	0.8551	0.1449	0.8551	0.7026	0.5548
cardiotocography	0.8826	0.0235	0.8826	0.8593	0.1303
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8665	0.1824
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7760	0.2195
cas_N6512_cdk_ECFP2	0.7450	0.2550	0.7450	0.4876	0.7585
cdc_diabetes	0.8500	0.1000	0.8500	0.1767	0.2979
census10%	0.9374	0.0459	0.9677	0.4343	0.3707
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9987	0.0013	0.9987	0.3479	0.5342
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8429	0.3626
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7368	0.2632	0.7368	0.4189	0.7746
cirrhosis	0.8571	0.0952	0.8571	0.7042	0.1945
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8176	0.0912	0.8176	0.7078	0.3226
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5850	0.2766	0.5850	0.3477	0.6529
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0794
codon_usage	0.9248	0.0137	0.9248	0.9082	0.1039
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6897	0.3103	0.6897	0.2965	0.8532
colposcopies-2	0.7586	0.2414	0.7586	0.4150	0.4263
colposcopies-3	0.5517	0.4483	0.5517	0.0407	0.9707
colposcopies-4	0.8276	0.1724	0.8276	0.4649	0.3439

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.7931	0.2069	0.7931	0.5817	0.5977
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9964	0.0024	0.9964	0.9129	0.0090
cottonmeloidogyne	0.7909	0.2091	0.7909	0.5819	0.6777
coupon	0.7516	0.2484	0.7516	0.4844	0.7423
covtype	0.8031	0.0563	0.8031	0.6788	0.2910
covtypeCD	0.9881	0.0119	0.9881	0.9485	0.1116
covtypeT	0.9813	0.0187	0.9813	0.8488	0.2455
cox2_cdk_ECFP2	0.8913	0.1087	0.8913	0.6048	0.4821
crowdsourced	0.9493	0.0169	0.9493	0.8944	0.1044
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.5312	0.0234	0.5312	0.5171	0.0755
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.8148	0.1852	0.8148	0.6170	0.6347
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8317	0.1683	0.8317	0.4184	0.6282
deposit	0.9056	0.0944	0.9056	0.4581	0.5702
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5236	0.7134
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5794	0.2752	0.5662	0.1608	0.5312
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6667	0.3333	0.6667	0.2727	0.8278
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5943	0.4057	0.5943	0.1742	0.9177
dropout	0.7743	0.1505	0.7743	0.6200	0.4472
drug-01	0.3245	0.1930	0.3245	-0.0081	0.6427
drug-02	0.4894	0.1459	0.4894	0.1047	0.6227
drug-03	0.6596	0.0973	0.6596	0.0659	0.4574
drug-04	0.4894	0.1459	0.4894	0.0857	0.7071
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4043	0.1702	0.4043	0.2477	0.5757
drug-07	0.4043	0.1702	0.4043	0.0181	0.4702
drug-08	0.5372	0.1322	0.5372	0.1549	0.5533
drug-09	0.8723	0.0365	0.8723	0.0712	0.1034
drug-10	0.5479	0.1292	0.5479	0.1762	0.4927
drug-11	0.8351	0.0471	0.8351	0.0325	0.4299
drug-12	0.7766	0.0638	0.7766	-0.0202	0.2717
drug-13	0.6170	0.1094	0.6170	0.2560	0.3952
drug-14	0.5957	0.1155	0.5957	0.3109	0.5249
drug-15	0.7606	0.0684	0.7606	0.1234	0.4205
drug-16	0.5691	0.1231	0.5691	0.2818	0.5086
drug-17	0.3723	0.1793	0.3723	0.1491	0.6711
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7766	0.0638	0.7766	0.1335	0.2805
drybean	0.9295	0.0202	0.9295	0.9147	0.1154
ecoli	0.7941	0.0515	0.7941	0.7105	0.1443
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5456	0.0568	0.5456	0.4957	0.5398
eeg-eye	0.8471	0.1529	0.8471	0.6883	0.5576
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4144	0.7069
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7407	0.4940
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5594	0.6671
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6712	0.1315	0.6712	0.5758	0.3502
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9604	0.0396	0.9604	0.9206	0.2193
fbis-wc	0.8740	0.0148	0.8740	0.8566	0.0769
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.8000	0.0500	0.8000	0.7419	0.0996
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.1191	0.0115	0.1191	0.0582	0.6304
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9935	0.0022	0.9935	0.9921	0.0163
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.5832	0.2779	0.5832	0.1044	0.5479
gene	0.9464	0.0358	0.9464	0.9140	0.1567
german	0.7300	0.2700	0.7300	0.3112	0.6685
gina	0.9539	0.0461	0.9539	0.9078	0.2505
glass	0.7143	0.0952	0.7143	0.5987	0.2720
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.7000	0.3000	0.7000	0.1290	0.8673
hapt	0.9735	0.0044	0.9735	0.9686	0.0304
har70	0.9178	0.0235	0.9178	0.8780	0.2311
harth10%	0.8335	0.0258	0.8466	0.8102	0.2105
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8565	0.1435	0.8565	0.7131	0.5379
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.7206	0.2794	0.7206	0.4387	0.7942
higher	0.2143	0.1964	0.2143	0.0667	0.3649
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9056	0.0944	0.9056	0.6071	0.4341
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.7222	0.1852	0.7222	0.5142	0.4924
htru2	0.9804	0.0196	0.9804	0.8782	0.2211
ht-sensor	0.9810	0.0127	0.9810	0.9714	0.0677
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7119	0.2881	0.7119	0.2302	0.8431
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9153	0.0065	0.9153	0.9119	0.0761
jm1	0.8191	0.1809	0.8191	0.2009	0.6114
fvowels	0.9789	0.0047	0.9789	0.9761	0.0358
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.0675
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3824	0.7363
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7305	0.0299	0.7305	0.6984	0.2827
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8984	0.0339	0.8984	0.8717	0.1816
la2s-wc	0.9106	0.0298	0.9106	0.8870	0.1604
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7231	0.0410
led24	0.6000	0.0800	0.6000	0.5467	0.1696
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9530	0.0036	0.9530	0.9511	0.0557
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7620	0.0883
linkage10%	0.9937	0.0001	0.9829	0.9957	0.0214
liver	0.8529	0.1471	0.8529	0.6559	0.5765
localization	0.6782	0.0585	0.6782	0.5863	0.4137
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0746
madelon	0.8269	0.1731	0.8269	0.6538	0.6104
magic04	0.8801	0.1199	0.8801	0.7266	0.4685

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6245	0.6395
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7438	0.3714
messidor	0.6870	0.3130	0.6870	0.3660	0.8384
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0542
mfeat-fou	0.8500	0.0300	0.8500	0.8333	0.1218
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0569
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2223
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0443
mfeat-zer	0.7700	0.0460	0.7700	0.7444	0.1398
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4087	0.4841
mobile	0.9056	0.0034	0.9056	0.9039	0.0445
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9180	0.0820	0.9180	0.8164	0.3887
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9606	0.0394	0.9606	0.8317	0.1242
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.7009
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3745	0.8355
MUT_ci300400a	0.8371	0.1629	0.8371	0.6661	0.5941
MUT_ci300400a_cdk_ECFP2	0.7926	0.2074	0.7926	0.5722	0.6844
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9656	0.0344	0.9656	0.9311	0.2005
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.9003	0.0093	0.9137	0.7278	0.4396
newspop	0.6718	0.3282	0.6718	0.3369	0.8543
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9611	0.0389	0.9611	0.9042	0.2435
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0705	0.5522
nursery	0.9367	0.0253	0.9367	0.9072	0.1344
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0907
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.8911	0.0218	0.8911	0.8753	0.1113
oh10-wc	0.8000	0.0400	0.8000	0.7720	0.1884
oh15-wc	0.8696	0.0261	0.8696	0.8514	0.1287
oh5-wc	0.8352	0.0330	0.8352	0.8138	0.1387
opn310k	0.9228	0.0772	0.9228	0.3532	0.4704
opnat310k-hg16-17	0.9240	0.0760	0.9240	0.3654	0.4617
optdigits	0.9626	0.0075	0.9626	0.9585	0.0537
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.8750	0.0063	0.8750	0.8718	0.0223
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9209	0.0791	0.9209	0.1984	0.5790
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8847	0.1472

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9304	0.0696	0.9304	0.8277	0.3788
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.4948	0.5052	0.4948	-0.1251	0.9936
pd	0.9342	0.0658	0.9342	0.8077	0.1921
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9918	0.0016	0.9918	0.9909	0.0154
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6530	0.5950
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8177
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8968	0.1032	0.8968	0.7939	0.4314
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7000	0.3000	0.7000	0.4000	0.7967
phishing	0.9592	0.0408	0.9592	0.9140	0.2301
phoneme	0.8907	0.1093	0.8907	0.7336	0.5072
phy	0.7298	0.2702	0.7298	0.4594	0.7789
pima	0.7368	0.2632	0.7368	0.4154	0.7389
plx	0.5556	0.4444	0.5556	-0.2632	0.9745
poker	0.6178	0.0764	0.6178	0.2766	0.7937
polish-1st	0.9801	0.0199	0.9801	0.6573	0.1924
polish-2nd	0.9725	0.0275	0.9725	0.4516	0.0868
polish-3rd	0.9600	0.0400	0.9600	0.2887	0.2117
polish-4th	0.9724	0.0276	0.9724	0.6613	0.2536
polish-5th	0.9712	0.0288	0.9712	0.7457	0.2724
polya	0.7870	0.2130	0.7870	0.5196	0.6977
popularity	0.6832	0.2112	0.6832	0.2507	0.4417
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9864	0.0054	0.9864	0.9830	0.0373
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7888
primary-tumor	0.4848	0.0468	0.4848	0.4293	0.1941
profb	0.6567	0.3433	0.6567	0.1309	0.8893
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9900	0.0040	0.9900	0.9865	0.0298
pufs-6410%	0.5033	0.4967	0.5033	0.0066	0.9981
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8667	0.0205	0.8667	0.8281	0.1983
re1-wc	0.8434	0.0125	0.8434	0.8212	0.1148
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6705	0.3295	0.6705	0.3099	0.8637
RT_IOT2022	0.6220	0.0630	0.6220	0.0977	0.4855
satimage	0.9098	0.0301	0.9098	0.8885	0.1414
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9393	0.0607	0.9393	0.6041	0.4178
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9941	0.0059	0.9941	0.9881	0.0503
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9419	0.0581	0.9419	0.2673	0.3546
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8763	0.1237	0.8763	0.1479	0.4234
sens-4-gram	0.8711	0.1289	0.8711	0.1348	0.5175
sensorless	0.9981	0.0003	0.9981	0.9979	0.0042
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8938	0.1062	0.8938	0.5530	0.5739
shuttle	0.9510	0.0140	0.9510	0.8597	0.2845
sick	0.9867	0.0133	0.9867	0.8819	0.0504
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9987	0.0013	0.9987	0.9960	0.0255
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7914	0.0695	0.7914	0.7328	0.1852
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9435	0.0565	0.9435	0.8816	0.2963
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5094	0.0204	0.5094	0.4823	0.1316
splice-EI	0.9685	0.0315	0.9685	0.9191	0.2452
splice-IE	0.9495	0.0505	0.9495	0.8603	0.3234
sport-articles	0.8500	0.1500	0.8500	0.6728	0.5692
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8513	0.1487	0.8513	0.5033	0.6282
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8970	0.0687	0.8970	0.8327	0.2365
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8154	0.1846	0.8154	0.5879	0.6550
steel-p	0.9231	0.0769	0.9231	0.4417	0.6031
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.4154	0.2338	0.4154	0.1967	0.6662
student-workday	0.7031	0.1187	0.7031	0.1526	0.2895
susy10%	0.7993	0.2007	0.7993	0.5911	0.6506
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7275
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9782	0.0040	0.9782	0.9759	0.0330
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9230	0.0770	0.9230	0.7829	0.3770
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.0540	0.9098
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8738	0.1141
trec23-wc	0.9048	0.0317	0.9048	0.8618	0.0774
trec31-wc	0.9677	0.0092	0.9677	0.9570	0.0518
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9420	0.0116	0.9420	0.9322	0.0406
tuandromd	0.9843	0.0157	0.9843	0.9515	0.1548
turkish	0.7500	0.1250	0.7500	0.6667	0.2919
tvnews	0.9102	0.0898	0.9102	0.8053	0.4126
urban	0.8806	0.0265	0.8806	0.8605	0.1158
vehicle	0.7857	0.1071	0.7857	0.7102	0.2066
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.6061	0.0716	0.6061	0.5667	0.2085
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9257	0.0743	0.9257	0.3764	0.4409
wap-wc	0.8590	0.0141	0.8590	0.8418	0.1013
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9625	0.0107	0.9625	0.9562	0.0644
watch-gyr10%	0.9672	0.0094	0.9672	0.9617	0.0567
waveform	0.8520	0.0987	0.8520	0.7780	0.3504
web-phishing	0.8593	0.0938	0.8593	0.7504	0.3891
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0038
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7233	0.0922	0.7233	0.5513	0.3146
winequality-white	0.6053	0.1128	0.6053	0.3890	0.4424
winnipeg	0.9826	0.0050	0.9826	0.9780	0.1044
yale	0.6875	0.0417	0.6875	0.6653	0.0797
yeast	0.5878	0.0824	0.5878	0.4658	0.3833
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9538	0.0092	0.9538	0.9482	0.0750
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 31: Detailed results for RolexBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1175	0.0609	0.1175	0.0139	0.3502
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9512	0.0488	0.9512	0.7682	0.2173
adult	0.8536	0.1464	0.8536	0.5598	0.6017
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1804	0.9102
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.0278	0.9068
AID644red	0.7000	0.3000	0.7000	0.1176	0.7934
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.9077	0.0923	0.9077	0.7132	0.3913
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.8090	0.0764	0.8090	0.4596	0.1451
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.8345	0.0828	0.8345	0.6668	0.2153
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.7719	0.0570	0.7719	0.6011	0.1721
anuran-species	0.6347	0.0731	0.6347	0.4640	0.1857
aps-failure	0.9872	0.0128	0.9872	0.4869	0.2191
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6222	0.0581	0.6222	0.2350	0.2108
auction	0.9510	0.0490	0.9510	0.7363	0.1419
audiology	0.3478	0.0543	0.3478	0.1565	0.2483
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.5000	0.1667	0.5000	0.2857	0.3474
avila	0.4154	0.0974	0.4154	0.0965	0.3554
balance	0.7581	0.1613	0.7581	0.5410	0.3446
bank	0.9041	0.0959	0.9041	0.3689	0.5347
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8986	0.1014	0.8986	0.7710	0.3839
basehock	0.9246	0.0754	0.9246	0.8492	0.3177
bio	0.9960	0.0040	0.9960	0.7262	0.1917
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9864	0.0000	1.0000	0.1477	0.3220
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.8214	0.1786	0.8214	0.5070	0.6034
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.1818	0.2727	0.1818	-0.0645	0.4227
bridges	0.6000	0.1143	0.6000	0.2593	0.2276
bub10at310k-hg16-17	0.9137	0.0863	0.9137	0.1117	0.2889
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.8161	0.0920	0.8161	0.5896	0.2496
card	0.8696	0.1304	0.8696	0.7361	0.5115
cardiotocography	0.1315	0.1737	0.1315	-0.0866	0.4830
cardiotocography-nsp	0.8216	0.1189	0.8216	0.4120	0.4575
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4702	0.3486
cas_N6512_cdk_ECFP2	0.6605	0.3395	0.6605	0.3039	0.8503
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9543	0.0462	0.9378	0.4346	0.3809
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9995	0.0005	0.9995	0.6718	0.0801
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7279	0.5242
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5985	0.6406
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3634	0.7302
cirrhosis	0.7619	0.1587	0.7619	0.5205	0.3860
cjs	0.3929	0.2024	0.3929	0.2225	0.3469
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6426	0.1787	0.6426	0.4057	0.3834
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.3673	0.4218	0.3673	-0.0657	0.6385
cnae-9	0.1759	0.1831	0.1759	0.0729	0.4157
codon_usage	0.2187	0.1421	0.2187	0.0529	0.3661
coil20	0.0625	0.0938	0.0625	0.0146	0.4340
collins	0.2400	0.1013	0.2400	0.1088	0.3640
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3591	0.8058
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.6552	0.3448	0.6552	0.2328	0.8166
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7241	0.2759	0.7241	0.4476	0.7886
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.9355	0.0645	0.9355	0.8524	0.3445
column-3c	0.7742	0.1505	0.7742	0.6297	0.3127
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.8101	0.1899	0.8101	0.6202	0.6445
coupon	0.6893	0.3107	0.6893	0.3449	0.8170
covtype	0.6313	0.1053	0.6313	0.3455	0.2924
covtypeCD	0.9657	0.0343	0.9657	0.8429	0.2115
covtypeT	0.9468	0.0532	0.9468	0.4112	0.3188
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.3357	0.6857
crowdsourced	0.7631	0.0790	0.7631	0.3668	0.2005
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.0312	0.0484	0.0312	0.0010	0.3845
cyclopentane	0.8519	0.1481	0.8519	0.6897	0.3632
cylinder-bands	0.7778	0.2222	0.7778	0.5556	0.6891
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8250	0.1750	0.8250	0.3977	0.6527
deposit	0.8963	0.1037	0.8963	0.3079	0.5292
dermatology	0.4865	0.1712	0.4865	0.2928	0.2717
desharnais	0.7500	0.1667	0.7500	0.5294	0.3641
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5796	0.6640
diabetes	0.9231	0.0769	0.9231	0.8375	0.3723
diabetic10%	0.5816	0.2839	0.5754	0.1556	0.5294
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5806	0.4194	0.5806	0.1346	0.8698
dropout	0.7065	0.1956	0.7065	0.4960	0.4060
drug-01	0.3883	0.1748	0.3883	0.0059	0.3902
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.1755	0.2356	0.1755	-0.0793	0.5060
drug-07	0.4468	0.1581	0.4468	0.0672	0.3579
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6330	0.1049	0.6330	0.3006	0.3126
drug-14	0.5691	0.1231	0.5691	0.0000	0.2602
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5851	0.1185	0.5851	0.2892	0.3130
drug-17	0.2287	0.2204	0.2287	-0.0699	0.4812
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.3666	0.1810	0.3666	0.1864	0.3674
ecoli	0.5588	0.1103	0.5588	0.2756	0.2403
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.2667	0.6919
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1383	0.1077	0.1383	0.0129	0.4297
eeg-eye	0.7176	0.2824	0.7176	0.4231	0.7953
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.4091	0.7229
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6169	0.5922
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8689	0.3013
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6109	0.5306
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6630	0.5105
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.5205	0.1918	0.5205	0.3405	0.3147
euthyroid	0.9589	0.0411	0.9589	0.7415	0.3303
exon.vs.intron-freq	0.9487	0.0513	0.9487	0.8969	0.2632
fbis-wc	0.1870	0.0956	0.1870	-0.0092	0.4089
fda.atompair_fp	0.6364	0.3636	0.6364	-0.1579	0.9308
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4000	0.1500	0.4000	0.1892	0.3284
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.0359	0.0126	0.0359	-0.0777	0.3719
forest	0.5769	0.2115	0.5769	0.3979	0.1951
gas	0.2797	0.2401	0.2797	0.0862	0.4451
gastrointestinal	0.6250	0.2500	0.6250	0.3766	0.4862
gender	0.5916	0.2723	0.5916	0.0128	0.3528
gene	0.8991	0.0673	0.8991	0.8411	0.2713
german	0.6800	0.3200	0.6800	0.2138	0.8363
gina	0.9078	0.0922	0.9078	0.8155	0.4093
glass	0.2381	0.2540	0.2381	-0.0370	0.4246
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.9048	0.0952	0.9048	0.6957	0.2404
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.4000	0.3000	0.4000	0.2105	0.2869
glioma-grade	0.8929	0.1071	0.8929	0.7823	0.4537
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1290	0.5088
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.3532	0.1078	0.3532	0.2104	0.2594
har70	0.6824	0.0907	0.6824	0.4721	0.1762
harth10%	0.8617	0.0259	0.8475	0.7817	0.2032
hayes-roth	0.5000	0.3333	0.5000	0.2099	0.6612
hcc-survival	0.5882	0.4118	0.5882	0.1314	0.9439
heart	0.8519	0.1481	0.8519	0.7017	0.5386
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.9333	0.0667	0.9333	0.7619	0.1858

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8274	0.1726	0.8274	0.6548	0.6090
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.3478	0.8010
higgs10%	0.6931	0.3069	0.6931	0.3859	0.8285
higher	0.1429	0.2143	0.1429	-0.0769	0.4391
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8870	0.1130	0.8870	0.5142	0.4973
hiva	0.9669	0.0331	0.9669	0.1211	0.0993
horse	0.6389	0.2407	0.6389	0.3237	0.4297
htru2	0.9777	0.0223	0.9777	0.8588	0.2314
ht-sensor	0.3956	0.4029	0.3956	0.0717	0.7407
hypothyroid	0.9363	0.0318	0.9363	0.4820	0.1360
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.0578	0.0725	0.0578	0.0200	0.4054
jm1	0.8108	0.1892	0.8108	0.0995	0.5485
fvowels	0.1275	0.1939	0.1275	-0.0254	0.4717
kc1	0.8720	0.1280	0.8720	0.2727	0.2697
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.0000	0.1526
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.4235	0.7319
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.1540	0.0940	0.1540	0.0081	0.4110
krvskp	0.9592	0.0408	0.9592	0.9181	0.2163
la1s-wc	0.8730	0.0423	0.8730	0.8406	0.2162
la2s-wc	0.8874	0.0375	0.8874	0.8588	0.2018
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.1176	0.0441	0.1176	0.0811	0.3027
led24	0.1000	0.1800	0.1000	-0.0588	0.4370
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.0465	0.0733	0.0465	0.0107	0.4208
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.0556	0.1259	0.0556	0.0000	0.3849
linkage10%	0.9976	0.0001	1.0000	0.9733	0.0206
liver	0.8529	0.1471	0.8529	0.6559	0.5765
localization	0.3691	0.1147	0.3691	0.1280	0.4359
lrs	0.5472	0.0906	0.5472	0.3589	0.1842
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.5000	0.1429	0.5000	0.3333	0.2048
lupus	0.7778	0.2222	0.7778	0.5263	0.4308
lymphography	0.7857	0.1071	0.7857	0.5758	0.2734
lymphoma2	0.4444	0.1235	0.4444	0.0625	0.2407
madelon	0.6346	0.3654	0.6346	0.2692	0.8572
magic04	0.8306	0.1694	0.8306	0.5978	0.5354

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6645	0.5960
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.5941	0.2706	0.5941	0.3685	0.4418
messidor	0.7478	0.2522	0.7478	0.4660	0.6927
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8421	0.0879
meter-D	0.5556	0.2222	0.5556	0.3543	0.3252
mfeat-fac	0.1450	0.1710	0.1450	0.0500	0.4257
mfeat-fou	0.0800	0.1840	0.0800	-0.0222	0.4776
mfeat-kar	0.0650	0.1870	0.0650	-0.0389	0.4648
mfeat-mor	0.1750	0.1650	0.1750	0.0833	0.4016
mfeat-pix	0.0850	0.1830	0.0850	-0.0167	0.4243
mfeat-zer	0.1100	0.1780	0.1100	0.0111	0.4603
mice-prot	0.1296	0.2176	0.1296	-0.0061	0.4461
mines	0.3824	0.2471	0.3824	0.2075	0.3986
mobile	0.0035	0.0356	0.0035	-0.0142	0.4099
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9212	0.0788	0.9212	0.6267	0.2756
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9823
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6197
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3711	0.8369
MUT_ci300400a	0.7619	0.2381	0.7619	0.5165	0.7334
MUT_ci300400a_cdk_ECFP2	0.7026	0.2974	0.7026	0.3418	0.7201
myocardial	0.8529	0.0368	0.8529	0.1244	0.1208
naticusdroid	0.9400	0.0600	0.9400	0.8800	0.2940
nci9	0.0000	0.2222	0.0000	-0.0588	0.3172
ncRNA10%	0.9323	0.0093	0.9280	0.7379	0.4403
newspop	0.6559	0.3441	0.6559	0.3001	0.8622
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9440	0.0560	0.9440	0.8622	0.3209
NPHA-doctor-visits	0.4583	0.3611	0.4583	-0.0657	0.5804
nursery	0.8210	0.0716	0.8210	0.7344	0.1759
obs	0.6111	0.1944	0.6111	0.3337	0.2291
occupancy	0.9888	0.0112	0.9888	0.9689	0.1253
Occupancy_Estimation	0.8796	0.0602	0.8796	0.6092	0.2023
oh0-wc	0.2871	0.1426	0.2871	0.1306	0.3843
oh10-wc	0.2381	0.1524	0.2381	0.0958	0.3634
oh15-wc	0.2826	0.1435	0.2826	0.1316	0.3566
oh5-wc	0.2747	0.1451	0.2747	0.1331	0.3527
opn310k	0.9133	0.0867	0.9133	0.1550	0.4059
opnat310k-hg16-17	0.9025	0.0975	0.9025	0.3425	0.6523
optdigits	0.1477	0.1705	0.1477	0.0564	0.4441
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.0250	0.0488	0.0250	0.0000	0.3907
orlraws10P	0.1000	0.1800	0.1000	0.0000	0.3462
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9328	0.0672	0.9328	0.2410	0.3595
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9360	0.0256	0.9360	0.5005	0.1091

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9035	0.0965	0.9035	0.7546	0.4517
pasture	0.5000	0.3333	0.5000	0.1111	0.2969
pc1	0.9099	0.0901	0.9099	-0.0297	0.6428
pcmac	0.5876	0.4124	0.5876	0.0262	0.6698
pd	0.8816	0.1184	0.8816	0.6786	0.5436
pediatric-leukemia	0.7941	0.0588	0.7941	0.7441	0.1659
pendigits	0.1529	0.1694	0.1529	0.0486	0.4169
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.7887	0.2113	0.7887	0.5507	0.6888
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8491
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7621	0.4761
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9469	0.0531	0.9469	0.8872	0.2581
phoneme	0.7963	0.2037	0.7963	0.4458	0.6921
phy	0.6914	0.3086	0.6914	0.3827	0.8320
pima	0.7237	0.2763	0.7237	0.3899	0.7718
plx	0.6667	0.3333	0.6667	-0.1020	0.8617
poker	0.5207	0.0959	0.5207	0.0485	0.1969
polish-1st	0.9659	0.0341	0.9659	0.1938	0.1019
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9551	0.0449	0.9551	0.2561	0.1258
polish-5th	0.9459	0.0541	0.9459	0.5150	0.5130
polya	0.7784	0.2216	0.7784	0.4959	0.7089
popularity	0.6527	0.2315	0.6527	0.1078	0.3962
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.2594	0.2962	0.2594	0.0767	0.4502
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8214
primary-tumor	0.0909	0.0826	0.0909	-0.0543	0.3641
profb	0.7761	0.2239	0.7761	0.3853	0.4011
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.5924	0.1630	0.5924	0.4228	0.3203
pufs-6410%	0.5017	0.4983	0.5017	0.0033	0.9990
raisin	0.8889	0.1111	0.8889	0.7778	0.4271
re0-wc	0.5400	0.0708	0.5400	0.3050	0.2787
re1-wc	0.3795	0.0496	0.3795	0.2072	0.3048
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6241	0.3759	0.6241	0.2833	0.8060
RT_IOT2022	0.8341	0.0277	0.8341	0.5775	0.0697
satimage	0.3250	0.2250	0.3250	0.1252	0.4290
satimageF	0.9876	0.0124	0.9876	0.9342	0.1291
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.4286	0.1633	0.4286	0.2632	0.2747
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.6176	0.3824	0.6176	0.2353	0.9023
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	0.7536	0.2464	0.7536	0.4893	0.7167
segment	0.2338	0.2189	0.2338	0.1247	0.3434
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.7842	0.2158	0.7842	0.1809	0.7406
sensorless	0.1747	0.1501	0.1747	0.0923	0.3822
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.9035	0.0965	0.9035	0.5717	0.5024
shuttle	0.9748	0.0072	0.9748	0.9298	0.0675
sick	0.9629	0.0371	0.9629	0.6141	0.2431
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9988	0.0098
smk_can_187	0.7895	0.2105	0.7895	0.5778	0.6844
solar-flare	0.5108	0.1631	0.5108	0.3509	0.2414
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	0.2353	0.0805	0.2353	0.1186	0.3354
spambase	0.9217	0.0783	0.9217	0.8322	0.3153
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.1321	0.0362	0.1321	0.0510	0.3228
splice-EI	0.9558	0.0442	0.9558	0.8810	0.2670
splice-IE	0.9117	0.0883	0.9117	0.7386	0.4129
sport-articles	0.8400	0.1600	0.8400	0.6449	0.5756
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7897	0.2103	0.7897	0.0535	0.5552
steel-d	0.9795	0.0205	0.9795	0.4922	0.0689
steel_industry	0.7557	0.1629	0.7557	0.6023	0.3743
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.7949	0.2051	0.7949	0.5324	0.6875
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9641	0.0359	0.9641	0.7804	0.3226
studentap	0.3077	0.4615	0.3077	-0.1250	0.6562
student-weekend	0.3538	0.2585	0.3538	0.1182	0.4486
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7806	0.2194	0.7806	0.5531	0.6871
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.6548
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.1473	0.1550	0.1473	0.0467	0.4202
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8721	0.3093
tic-tac-toe	0.9474	0.0526	0.9474	0.8813	0.2857
tis	0.9102	0.0898	0.9102	0.7440	0.4151
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.6250	0.1250	0.6250	0.4545	0.1573
tox_171	0.2941	0.3529	0.2941	0.0642	0.5217
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.7059	0.2941	0.7059	0.2056	0.4505
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7467	0.2533	0.7467	0.1220	0.7901
trec11-wc	0.3659	0.1409	0.3659	0.0904	0.3708
trec12-wc	0.3226	0.1694	0.3226	0.1412	0.3893

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4031	0.1560
trec23-wc	0.4762	0.1746	0.4762	0.1507	0.2630
trec31-wc	0.5806	0.1198	0.5806	0.4068	0.2341
trec41-wc	0.3977	0.1205	0.3977	0.2279	0.2880
trec45-wc	0.3043	0.1391	0.3043	0.1080	0.3837
tuandromd	0.9731	0.0269	0.9731	0.9192	0.2492
turkish	0.1000	0.4500	0.1000	-0.2000	0.6785
tvnews	0.8782	0.1218	0.8782	0.7343	0.5016
urban	0.2388	0.1692	0.2388	0.0638	0.4127
vehicle	0.2381	0.3810	0.2381	-0.0802	0.7043
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.0000	0.1818	0.0000	-0.1000	0.4454
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.9117	0.0883	0.9117	0.0724	0.2845
wap-wc	0.2885	0.0712	0.2885	0.1706	0.3257
warpar10p	0.1538	0.1692	0.1538	0.0833	0.3297
warppie10p	0.1429	0.1714	0.1429	0.0526	0.4123
watch-acc10%	0.2643	0.2102	0.2643	0.1173	0.4321
watch-gyr10%	0.2185	0.2233	0.2185	0.0737	0.4430
waveform	0.8280	0.1147	0.8280	0.7420	0.3782
web-phishing	0.8000	0.1333	0.8000	0.6233	0.3411
weight-lift	0.3628	0.2549	0.3628	0.1213	0.3887
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.0500	0.4750	0.0500	-0.2667	0.5137
wilt	0.9814	0.0186	0.9814	0.7987	0.3434
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5472	0.1509	0.5472	0.2350	0.3420
winequality-white	0.4990	0.1431	0.4990	0.1817	0.3445
winnipeg	0.4822	0.1479	0.4822	0.3068	0.2664
yale	0.0000	0.1333	0.0000	-0.0667	0.4050
yeast	0.2365	0.1527	0.2365	0.0548	0.3723
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.2806	0.1439	0.2806	0.1465	0.3964
zoo	0.5000	0.1429	0.5000	0.3506	0.1867

Table 32: Detailed results for RotationForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1535	0.0584	0.1535	0.0743	0.5823
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9837	0.0163	0.9837	0.1843	0.1498
ads	0.9573	0.0427	0.9573	0.8262	0.3724
adult	0.8174	0.1826	0.8174	0.4936	0.7011
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8095	0.1905	0.8095	0.1477	0.7218
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9992	0.0008	0.9992	0.2855	0.0047
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7027	0.2973	0.7027	0.4144	0.7713
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9992	0.0008	0.9992	0.2855	0.0047
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7500	0.2500	0.7500	0.3056	0.7334
AID_652128	0.8788	0.0808	0.8788	0.1200	0.3007
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9941	0.0059	0.9941	0.2532	0.3656
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9654	0.0453
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0213
anuran-species	0.9903	0.0019	0.9903	0.9865	0.0124
aps-failure	0.9945	0.0055	0.9945	0.8279	0.1798
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.8222	0.0273	0.8222	0.7254	0.1939
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9708	0.0049	0.9708	0.9618	0.0399
balance	0.9194	0.0538	0.9194	0.8538	0.2822
bank	0.9048	0.0952	0.9048	0.5082	0.6127
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8963	0.1037	0.8963	0.7648	0.3784
basehock	0.9648	0.0352	0.9648	0.9296	0.2045
bio	0.9976	0.0024	0.9976	0.8473	0.0923
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9685	0.0000	1.0000	0.1539	0.3336
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.1818	0.8787
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1000	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9207	0.0793	0.9207	0.3232	0.4734
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8841	0.1159	0.8841	0.7598	0.4723
cardiotocography	0.8732	0.0254	0.8732	0.8472	0.1295
cardiotocography-nsp	0.9484	0.0344	0.9484	0.8507	0.1531
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6740	0.3064
cas_N6512_cdk_ECFP2	0.7634	0.2366	0.7634	0.5251	0.7289
cdc_diabetes	0.8365	0.1090	0.8365	0.2167	0.4911
census10%	0.9478	0.0473	0.9536	0.4249	0.3791
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.6895	0.5225
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.8851	0.1510
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8014	0.4126
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3794	0.8107
cirrhosis	0.7857	0.1429	0.7857	0.5685	0.3575
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8556	0.0722	0.8556	0.7753	0.3260
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.7500	0.1667	0.7500	0.6000	0.3320
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5034	0.3311	0.5034	0.2288	0.7272
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0922
codon_usage	0.9294	0.0128	0.9294	0.9138	0.0890
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7931	0.2069	0.7931	0.5193	0.6844
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.7586	0.2414	0.7586	0.4835	0.7133
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.7742	0.1505	0.7742	0.6246	0.3023
connect-4	0.9916	0.0056	0.9916	0.7932	0.1340
cottonmeloidogyne	0.7740	0.2260	0.7740	0.5485	0.7016
coupon	0.7752	0.2248	0.7752	0.5366	0.7087
covtype	0.9729	0.0077	0.9729	0.9565	0.0887
covtypeCD	0.9920	0.0080	0.9920	0.9660	0.0884
covtypeT	0.9873	0.0127	0.9873	0.8998	0.2008
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.3967	0.7111
crowdsourced	0.9521	0.0160	0.9521	0.8999	0.0977
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.7188	0.0141	0.7188	0.7106	0.0334
cyclopentane	0.6296	0.3704	0.6296	0.2373	0.9000
cylinder-bands	0.8704	0.1296	0.8704	0.7393	0.5015
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8237	0.1763	0.8237	0.3993	0.6634
deposit	0.9022	0.0978	0.9022	0.4919	0.6102
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.2727	0.4605
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5845	0.6693
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5928	0.2768	0.5702	0.1604	0.5383
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5417	0.4583	0.5417	0.0149	0.9759
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5789	0.4211	0.5789	0.1510	0.9463
dropout	0.7585	0.1610	0.7585	0.5943	0.4554
drug-01	0.3564	0.1839	0.3564	0.0252	0.5634
drug-02	0.5266	0.1353	0.5266	0.1982	0.6350
drug-03	0.6809	0.0912	0.6809	0.0745	0.3497
drug-04	0.5106	0.1398	0.5106	0.1517	0.6274
drug-05	0.7394	0.0745	0.7394	0.0535	0.2172
drug-06	0.4043	0.1702	0.4043	0.2485	0.5420
drug-07	0.4255	0.1641	0.4255	0.0527	0.4551
drug-08	0.5691	0.1231	0.5691	0.1788	0.4146
drug-09	0.8723	0.0365	0.8723	0.0699	0.1044
drug-10	0.5426	0.1307	0.5426	0.1354	0.5203
drug-11	0.8404	0.0456	0.8404	-0.0131	0.3058
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6170	0.1094	0.6170	0.2607	0.4123
drug-14	0.5957	0.1155	0.5957	0.2663	0.4694
drug-15	0.7500	0.0714	0.7500	0.0815	0.2825
drug-16	0.5851	0.1185	0.5851	0.3053	0.4579
drug-17	0.3777	0.1778	0.3777	0.1515	0.6421
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0325	0.2783
drybean	0.9317	0.0195	0.9317	0.9174	0.1119
ecoli	0.7941	0.0515	0.7941	0.7115	0.1176
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.2029	0.6894
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5856	0.0518	0.5856	0.5397	0.4818
eeg-eye	0.9413	0.0587	0.9413	0.8807	0.2887
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6739	0.5826
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6617	0.5886
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.6849	0.1260	0.6849	0.5946	0.3424
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9849	0.0151	0.9849	0.9696	0.1012
fbis-wc	0.8089	0.0225	0.8089	0.7827	0.1615
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6875	0.1155
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.6525	0.0045	0.6525	0.6326	0.2888
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9971	0.0010	0.9971	0.9965	0.0073
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5832	0.2779	0.5832	0.1174	0.5555
gene	0.9432	0.0379	0.9432	0.9091	0.1691
german	0.6900	0.3100	0.6900	0.2327	0.8126
gina	0.9625	0.0375	0.9625	0.9251	0.2150
glass	0.7619	0.0794	0.7619	0.6667	0.2160
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.8095	0.1905	0.8095	0.6000	0.6336
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6803	0.5766
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4608
haberman	0.7333	0.2667	0.7333	0.3182	0.8145
hapt	0.9716	0.0047	0.9716	0.9665	0.0338
har70	0.9378	0.0178	0.9378	0.9072	0.1246
harth10%	0.8651	0.0255	0.8494	0.7893	0.2054
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8665	0.1335	0.8665	0.7331	0.5182
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.7381	0.2619	0.7381	0.4735	0.7687
higher	0.2143	0.1964	0.2143	0.0610	0.3510
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8904	0.1096	0.8904	0.5736	0.5600
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6944	0.2037	0.6944	0.4500	0.5141
htru2	0.9777	0.0223	0.9777	0.8588	0.2314
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0002
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.1995	0.8360
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9268	0.0056	0.9268	0.9239	0.0664
jm1	0.8246	0.1754	0.8246	0.3047	0.6790
fvowels	0.9920	0.0018	0.9920	0.9909	0.0152
kc1	0.8815	0.1185	0.8815	0.4134	0.4934
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1158	0.1803
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2394	0.7582
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9055	0.0105	0.9055	0.8945	0.1313
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8762	0.0413	0.8762	0.8448	0.2212
la2s-wc	0.8974	0.0342	0.8974	0.8711	0.1849
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7223	0.0565
led24	0.6000	0.0800	0.6000	0.5531	0.1938
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9695	0.0023	0.9695	0.9683	0.0368
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.9722	0.0037	0.9722	0.9702	0.0134
linkage10%	1.0000	0.0001	1.0000	0.9923	0.0212
liver	0.7941	0.2059	0.7941	0.5405	0.6993
localization	0.7512	0.0452	0.7512	0.6866	0.4648
lrs	0.9057	0.0189	0.9057	0.8692	0.0480
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7846	0.2154	0.7846	0.5692	0.6906
magic04	0.8811	0.1189	0.8811	0.7313	0.4793

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4819	0.7510
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7594	0.3619
messidor	0.7043	0.2957	0.7043	0.3957	0.8189
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9800	0.0040	0.9800	0.9778	0.0228
mfeat-fou	0.8250	0.0350	0.8250	0.8056	0.1434
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0375
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2121
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0350
mfeat-zer	0.8100	0.0380	0.8100	0.7889	0.1056
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5565	0.4169
mobile	0.9301	0.0025	0.9301	0.9288	0.0325
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8601	0.1101
mutagen_class_1	0.4559	0.5441	0.4559	-0.0882	1.0000
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8115
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4631	0.7463
MUT_ci300400a	0.8684	0.1316	0.8684	0.7319	0.5218
MUT_ci300400a_cdk_ECFP2	0.8261	0.1739	0.8261	0.6472	0.6130
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9727	0.0273	0.9727	0.9454	0.1685
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9152	0.0091	0.9289	0.7545	0.4432
newspop	0.6657	0.3343	0.6657	0.3260	0.8628
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9704	0.0296	0.9704	0.9268	0.1910
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0117	0.8096
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0782
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.9010	0.0198	0.9010	0.8866	0.0939
oh10-wc	0.7810	0.0438	0.7810	0.7516	0.1975
oh15-wc	0.8152	0.0370	0.8152	0.7894	0.1778
oh5-wc	0.7802	0.0440	0.7802	0.7516	0.2087
opn310k	0.9198	0.0802	0.9198	0.3011	0.4634
opnat310k-hg16-17	0.9215	0.0785	0.9215	0.3162	0.4435
optdigits	0.9733	0.0053	0.9733	0.9703	0.0390
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9289	0.0711	0.9289	0.1647	0.3724
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9872	0.0051	0.9872	0.9273	0.1045

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9396	0.0604	0.9396	0.8510	0.3459
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5103	0.4897	0.5103	0.0321	0.9684
pd	0.9342	0.0658	0.9342	0.8077	0.1921
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9964	0.0007	0.9964	0.9960	0.0071
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6504	0.5924
P-Glycoprotein_b_Substrate	0.7200	0.2800	0.7200	0.4400	0.7788
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8968	0.1032	0.8968	0.7939	0.4314
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7059	0.4011
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9673	0.0327	0.9673	0.9312	0.1929
phoneme	0.9259	0.0741	0.9259	0.8161	0.3880
phy	0.7162	0.2838	0.7162	0.4323	0.7989
pima	0.7368	0.2632	0.7368	0.4154	0.7389
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.8015	0.0397	0.8015	0.6318	0.1946
polish-1st	0.9659	0.0341	0.9659	0.2409	0.2550
polish-2nd	0.9597	0.0403	0.9597	0.2382	0.5030
polish-3rd	0.9495	0.0505	0.9495	-0.0054	0.3653
polish-4th	0.9602	0.0398	0.9602	0.4878	0.4098
polish-5th	0.9628	0.0372	0.9628	0.6482	0.3027
polya	0.7924	0.2076	0.7924	0.5282	0.6814
popularity	0.6787	0.2142	0.6787	0.2574	0.4833
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9878	0.0049	0.9878	0.9848	0.0309
pred-tox_mutagen_ref-desc	0.7059	0.2941	0.7059	0.4118	0.8115
primary-tumor	0.3333	0.0606	0.3333	0.2531	0.2389
profb	0.7313	0.2687	0.7313	0.3764	0.8037
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9967	0.0013	0.9967	0.9956	0.0112
pufs-6410%	0.5008	0.4993	0.5008	0.0015	0.9983
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.8267	0.0267	0.8267	0.7760	0.2133
re1-wc	0.8313	0.0135	0.8313	0.8081	0.1327
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6981	0.3019	0.6981	0.3784	0.8274
RT_IOT2022	0.9989	0.0002	0.9989	0.9973	0.0020
satimage	0.9082	0.0306	0.9082	0.8865	0.1416
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9502	0.0498	0.9502	0.6725	0.3065
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9694
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	0.9998	0.0002	0.9998	0.9997	0.0019
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0927	0.3832
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-2-gram	0.8684	0.1316	0.8684	0.1284	0.5533
sens-3-gram	0.8632	0.1368	0.8632	0.1379	0.6268
sens-4-gram	0.7579	0.2421	0.7579	0.1556	0.7260
sensorless	0.9983	0.0003	0.9983	0.9981	0.0037
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8970	0.1030	0.8970	0.5707	0.5657
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9988	0.0098
smk_can_187	0.6842	0.3158	0.6842	0.3523	0.7434
solar-flare	0.7770	0.0743	0.7770	0.7158	0.2063
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9543	0.0457	0.9543	0.9041	0.2482
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6981	0.0126	0.6981	0.6813	0.0774
splice-EI	0.9716	0.0284	0.9716	0.9244	0.2028
splice-IE	0.9558	0.0442	0.9558	0.8800	0.3080
sport-articles	0.8600	0.1400	0.8600	0.6963	0.5487
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8974	0.1026	0.8974	0.6608	0.4751
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9175	0.0550	0.9175	0.8659	0.2059
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8513	0.1487	0.8513	0.6646	0.5689
steel-p	0.9333	0.0667	0.9333	0.4051	0.4581
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9744	0.0256	0.9744	0.8507	0.2860
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.3538	0.2585	0.3538	0.1125	0.6638
student-workday	0.7344	0.1062	0.7344	0.2381	0.2860
susy10%	0.8002	0.1998	0.8002	0.5932	0.6497
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9927	0.0013	0.9927	0.9920	0.0118
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.3411	0.5745
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9132	0.0868	0.9132	0.7573	0.4257
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	-0.0726	0.9159
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.8710	0.0323	0.8710	0.8452	0.1079

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6604	0.2715
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9570	0.0123	0.9570	0.9429	0.0712
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0724
trec45-wc	0.9420	0.0116	0.9420	0.9323	0.0486
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8250	0.0875	0.8250	0.7667	0.1948
tvnews	0.9597	0.0403	0.9597	0.9126	0.2236
urban	0.8507	0.0332	0.8507	0.8246	0.1366
vehicle	0.7738	0.1131	0.7738	0.6939	0.1880
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.7172	0.0514	0.7172	0.6889	0.1639
vowelZ	0.9293	0.0707	0.9293	0.3419	0.1774
vrnormat310k-hg16-17	0.9223	0.0777	0.9223	0.3384	0.4594
wap-wc	0.7436	0.0256	0.7436	0.7103	0.1738
warpar10p	0.9231	0.0154	0.9231	0.9133	0.0343
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9990	0.0003	0.9990	0.9989	0.0031
watch-gyr10%	0.9991	0.0003	0.9991	0.9989	0.0029
waveform	0.8400	0.1067	0.8400	0.7600	0.3684
web-phishing	0.8593	0.0938	0.8593	0.7518	0.3922
weight-lift	0.9997	0.0001	0.9997	0.9997	0.0009
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7296	0.0901	0.7296	0.5609	0.3063
winequality-white	0.6994	0.0859	0.6994	0.5369	0.3645
winnipeg	0.9982	0.0005	0.9982	0.9977	0.0101
yale	0.7500	0.0333	0.7500	0.7322	0.0603
yeast	0.5878	0.0824	0.5878	0.4665	0.3477
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9613	0.0077	0.9613	0.9566	0.0640
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 33: Detailed results for AveBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0819	0.3694
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9825	0.0175	0.9825	0.2164	0.3812
ads	0.9634	0.0366	0.9634	0.8483	0.3266
adult	0.8225	0.1775	0.8225	0.3401	0.3626
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.8095	0.1905	0.8095	0.0437	0.6386
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9985	0.0015	0.9985	-0.0007	0.5338
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1850	0.9170
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9970	0.0030	0.9970	0.2918	0.1445
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.2045	0.8754
AID644red	0.7000	0.3000	0.7000	0.2857	0.8453
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9987	0.0013	0.9987	0.1994	0.5258
AID746red	0.9938	0.0062	0.9938	0.1758	0.3752
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.6894	0.5231
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9847	0.0076	0.9847	0.9708	0.0577
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9791	0.0052	0.9791	0.9657	0.0764
anuran-species	0.9792	0.0042	0.9792	0.9710	0.0489
aps-failure	0.9892	0.0108	0.9892	0.6839	0.4177
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.6889	0.0479	0.6889	0.4420	0.2133
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6085	0.0652	0.6085	0.4365	0.2542
balance	0.7581	0.1613	0.7581	0.5935	0.3989
bank	0.8951	0.1049	0.8951	0.1906	0.4458
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8641	0.1359	0.8641	0.6889	0.4711
basehock	0.9799	0.0201	0.9799	0.9598	0.1334
bio	0.9951	0.0049	0.9951	0.7316	0.4163
biodeg	0.8667	0.1333	0.8667	0.7200	0.5345
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9604	0.0000	0.9793	0.1481	0.3302
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.2391	0.8288
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9162	0.0838	0.9162	0.1832	0.3576
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8551	0.1449	0.8551	0.6939	0.4995
cardiotocography	0.8451	0.0310	0.8451	0.8137	0.1773
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7718	0.2559
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6755	0.3114
cas_N6512_cdk_ECFP2	0.5837	0.4163	0.5837	0.1108	0.7097
cdc_diabetes	0.8403	0.1065	0.8403	0.2392	0.3824
census10%	0.9381	0.0465	0.9563	0.4244	0.3687
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9419	0.0581	0.9419	0.2612	0.5311
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9996	0.0004	0.9996	0.8247	0.3874
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6716	0.5255
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6716	0.5255
ci900367j_MACCS	0.7474	0.2526	0.7474	0.4574	0.7669
cirrhosis	0.8095	0.1270	0.8095	0.6225	0.4042
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8111	0.0944	0.8111	0.7081	0.4290
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9200	0.0800	0.9200	0.4595	0.5360
cmc	0.5306	0.3129	0.5306	0.2840	0.7183
cnae-9	0.6204	0.0844	0.6204	0.5729	0.1828
codon_usage	0.6101	0.0709	0.6101	0.5181	0.2230
coil20	0.9444	0.0056	0.9444	0.9415	0.0288
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.6207	0.3793	0.6207	0.1493	0.9180
colposcopies-3	0.6897	0.3103	0.6897	0.3359	0.8266
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6897	0.3103	0.6897	0.3741	0.8142
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9714	0.0190	0.9714	0.5493	0.4692
cottonmeloidogyne	0.6514	0.3486	0.6514	0.3063	0.7343
coupon	0.7279	0.2721	0.7279	0.4388	0.7847
covtype	0.7012	0.0854	0.7012	0.5080	0.3282
covtypeCD	0.9766	0.0234	0.9766	0.8999	0.2298
covtypeT	0.9777	0.0223	0.9777	0.8214	0.3018
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8184	0.0605	0.8184	0.5682	0.2718
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3246	0.1087
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7793	0.2207	0.7793	0.0023	0.3735
deposit	0.8852	0.1148	0.8852	0.1253	0.4805
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9833	0.0167	0.9833	0.9667	0.0972
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6269	0.5686
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5859	0.2863	0.5849	0.1572	0.5330
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0286	0.9973
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5899	0.4101	0.5899	0.1665	0.9260
dropout	0.7381	0.1746	0.7381	0.5482	0.4842
drug-01	0.3989	0.1717	0.3989	0.0078	0.3625
drug-02	0.5266	0.1353	0.5266	0.0485	0.3344
drug-03	0.6649	0.0957	0.6649	-0.0356	0.3451
drug-04	0.5319	0.1337	0.5319	0.0343	0.4057
drug-05	0.7287	0.0775	0.7287	-0.0064	0.2524
drug-06	0.3936	0.1733	0.3936	0.2178	0.4245
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5479	0.1292	0.5479	0.0503	0.3988
drug-09	0.8457	0.0441	0.8457	-0.0254	0.4327
drug-10	0.5266	0.1353	0.5266	-0.0101	0.4193
drug-11	0.8404	0.0456	0.8404	-0.0124	0.3275
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6277	0.1064	0.6277	0.2888	0.4048
drug-14	0.5851	0.1185	0.5851	0.2691	0.4041
drug-15	0.7606	0.0684	0.7606	0.0753	0.2918
drug-16	0.5798	0.1201	0.5798	0.3289	0.4411
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7606	0.0684	0.7606	-0.0128	0.3385
drybean	0.9295	0.0202	0.9295	0.9146	0.1166
ecoli	0.8235	0.0441	0.8235	0.7560	0.1522
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.5692	0.6280
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1671	0.1041	0.1671	0.0299	0.3888
eeg-eye	0.5988	0.4012	0.5988	0.1187	0.5770
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4841	0.7336
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.5185	0.7156
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.5928	0.6274
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6438	0.1425	0.6438	0.5288	0.3027
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9408	0.0592	0.9408	0.8811	0.2956
fbis-wc	0.4837	0.0607	0.4837	0.3792	0.2549
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.8000	0.0500	0.8000	0.7428	0.1110
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4050	0.0078	0.4050	0.3480	0.2646
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8009	0.0664	0.8009	0.7590	0.1901
gastrointestinal	0.8750	0.0833	0.8750	0.7975	0.2365
gender	0.5895	0.2737	0.5895	0.0091	0.3948
gene	0.9243	0.0505	0.9243	0.8798	0.2163
german	0.6600	0.3400	0.6600	0.1123	0.8016
gina	0.8501	0.1499	0.8501	0.7000	0.5585
glass	0.7619	0.0794	0.7619	0.6759	0.2777
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6400	0.3261
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7295	0.5195
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3713	0.3733
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9323	0.0113	0.9323	0.9200	0.0864
har70	0.7809	0.0626	0.7809	0.6430	0.1219
harth10%	0.8678	0.0251	0.8302	0.7776	0.2098
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8000	0.2000	0.8000	0.5982	0.6654
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7951	0.2049	0.7951	0.5894	0.5792
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5502	0.4498	0.5502	0.0476	0.5851
higher	0.2857	0.1786	0.2857	0.1515	0.3346
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9039	0.0961	0.9039	0.6503	0.5399
hiva	0.9551	0.0449	0.9551	0.0765	0.5927
horse	0.6667	0.2222	0.6667	0.3864	0.5147
htru2	0.9782	0.0218	0.9782	0.8611	0.2113
ht-sensor	0.7342	0.1772	0.7342	0.6078	0.3673
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.1976	0.6122
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5956	0.0311	0.5956	0.5795	0.1945
jm1	0.8062	0.1938	0.8062	0.0497	0.5225
fvowels	0.8062	0.0431	0.8062	0.7799	0.2256
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8381	0.0180	0.8381	0.8193	0.2017
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5079	0.1640	0.5079	0.3178	0.3180
la2s-wc	0.4934	0.1689	0.4934	0.2898	0.3329
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6917	0.0444
led24	0.6000	0.0800	0.6000	0.5467	0.1541
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4170	0.0448	0.4170	0.3944	0.2778
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8889	0.0148	0.8889	0.8806	0.0473
linkage10%	1.0000	0.0001	1.0000	0.9726	0.0214
liver	0.5882	0.4118	0.5882	0.2093	0.8199
localization	0.5261	0.0862	0.5261	0.3788	0.3736
lrs	0.8491	0.0302	0.8491	0.7903	0.1288
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1721
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.4808	0.5192	0.4808	-0.0385	0.9839
magic04	0.7738	0.2262	0.7738	0.4262	0.5118

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5659	0.6676
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7280	0.3768
messidor	0.5826	0.4174	0.5826	0.0548	0.6791
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0867
mfeat-fou	0.7400	0.0520	0.7400	0.7111	0.1968
mfeat-kar	0.5900	0.0820	0.5900	0.5444	0.2135
mfeat-mor	0.7200	0.0560	0.7200	0.6889	0.1991
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0691
mfeat-zer	0.6850	0.0630	0.6850	0.6500	0.1982
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4837	0.3795
mobile	0.4441	0.0199	0.4441	0.4340	0.2008
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.7964	0.3271
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9838
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.8305
mutagen_class_3	0.4928	0.5072	0.4928	-0.0084	0.9686
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.8295
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2509	0.8947
MUT_ci300400a	0.6065	0.3935	0.6065	0.0923	0.6075
MUT_ci300400a_cdk_ECFP2	0.6091	0.3909	0.6091	0.0773	0.5818
myocardial	0.8765	0.0309	0.8765	0.3720	0.2227
naticusdroid	0.9608	0.0392	0.9608	0.9216	0.2209
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9283	0.0092	0.8919	0.7397	0.4320
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9301	0.0699	0.9301	0.8175	0.2710
NPHA-doctor-visits	0.5417	0.3056	0.5417	0.1369	0.6456
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9782	0.0914
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.6139	0.0772	0.6139	0.5436	0.1919
oh10-wc	0.5619	0.0876	0.5619	0.4896	0.2427
oh15-wc	0.5761	0.0848	0.5761	0.5038	0.2362
oh5-wc	0.5934	0.0813	0.5934	0.5270	0.2441
opn310k	0.9157	0.0843	0.9157	0.1584	0.3222
opnat310k-hg16-17	0.9169	0.0831	0.9169	0.1767	0.3086
optdigits	0.9359	0.0128	0.9359	0.9288	0.0834
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6250	0.0187	0.6250	0.6154	0.0925
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.0969	0.6276
ozone8hr	0.8696	0.1304	0.8696	0.1970	0.6651
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8971	0.1608

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7895	0.2105	0.7895	0.4571	0.7363
particle	0.8745	0.1255	0.8745	0.6692	0.5114
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9369	0.0631	0.9369	0.4299	0.5443
pcmac	0.5567	0.4433	0.5567	-0.0222	0.8708
pd	0.9342	0.0658	0.9342	0.8148	0.3131
pediatric-leukemia	0.7941	0.0588	0.7941	0.7468	0.1647
pendigits	0.9682	0.0064	0.9682	0.9646	0.0422
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.7835	0.2165	0.7835	0.4444	0.5442
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9081
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6981	0.5608
P-Glycoprotein_RDkit_AtomPair_FP	0.6000	0.4000	0.6000	0.1919	0.9294
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9796	0.0204	0.9796	0.9569	0.1229
phoneme	0.7222	0.2778	0.7222	0.0387	0.5031
phy	0.6328	0.3672	0.6328	0.2677	0.7755
pima	0.7368	0.2632	0.7368	0.4081	0.7142
plx	0.7222	0.2778	0.7222	0.1509	0.7953
poker	0.8056	0.0389	0.8056	0.6431	0.2120
polish-1st	0.9587	0.0413	0.9587	0.0552	0.4343
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0349	0.2385
polish-4th	0.9551	0.0449	0.9551	0.3860	0.4331
polish-5th	0.9560	0.0440	0.9560	0.5327	0.2231
polya	0.6519	0.3481	0.6519	0.0428	0.5615
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.6684	0.1326	0.6684	0.5848	0.2640
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.9238
primary-tumor	0.3333	0.0606	0.3333	0.2622	0.2535
profb	0.7164	0.2836	0.7164	0.3645	0.8165
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9279	0.0288	0.9279	0.9025	0.1059
pufs-6410%	0.5006	0.4994	0.5006	0.0011	0.9957
raisin	0.8556	0.1444	0.8556	0.7111	0.5296
re0-wc	0.4867	0.0790	0.4867	0.2172	0.3687
re1-wc	0.5301	0.0376	0.5301	0.4368	0.1779
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5965	0.4035	0.5965	0.0178	0.5861
RT_IOT2022	0.9944	0.0009	0.9944	0.9859	0.0091
satimage	0.8274	0.0575	0.8274	0.7832	0.1811
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9005	0.0995	0.9005	0.0723	0.3655
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5000	0.5000	0.5000	0.0000	0.9994
secom	0.9038	0.0962	0.9038	0.0685	0.6839
secondary_mushroom	0.5983	0.4017	0.5983	0.1074	0.5081
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8632	0.1368	0.8632	0.0697	0.5660
sens-4-gram	0.8500	0.1500	0.8500	-0.0065	0.6592
sensorless	0.9229	0.0140	0.9229	0.9152	0.0559
sepsis	0.9049	0.0951	0.9049	0.0205	0.4554
shoppers	0.8694	0.1306	0.8694	0.2532	0.3715
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9735	0.0265	0.9735	0.7589	0.2756
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9986	0.0092
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.6978	0.1007	0.6978	0.6155	0.2703
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9174	0.0826	0.9174	0.8289	0.3898
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.4906	0.0212	0.4906	0.4565	0.1389
splice-EI	0.9716	0.0284	0.9716	0.9257	0.2218
splice-IE	0.9338	0.0662	0.9338	0.8207	0.3985
sport-articles	0.7700	0.2300	0.7700	0.4806	0.7109
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.1238	0.6720
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8853	0.0765	0.8853	0.8141	0.2598
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7077	0.2923	0.7077	0.2576	0.7458
steel-p	0.9385	0.0615	0.9385	0.4711	0.4407
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.4615	0.3590	0.4615	0.1574	0.6947
student-weekend	0.3692	0.2523	0.3692	0.0740	0.6670
student-workday	0.7344	0.1062	0.7344	0.2381	0.3299
susy10%	0.7180	0.2820	0.7180	0.4066	0.5874
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.6564
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9164	0.0152	0.9164	0.9078	0.0924
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.0486	0.8044
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9684	0.0316	0.9684	0.9276	0.1262
tis	0.8624	0.1376	0.8624	0.5843	0.5282
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.5294	0.2353	0.5294	0.3733	0.2788
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0905	0.9196
trec11-wc	0.8293	0.0379	0.8293	0.7860	0.1108
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9432	0.0462
trec41-wc	0.9205	0.0159	0.9205	0.9023	0.0689
trec45-wc	0.9710	0.0058	0.9710	0.9663	0.0303
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8000	0.1000	0.8000	0.7333	0.1817
tvnews	0.8119	0.1881	0.8119	0.5557	0.5247
urban	0.8507	0.0332	0.8507	0.8244	0.1336
vehicle	0.7976	0.1012	0.7976	0.7241	0.2496
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5657	0.0790	0.5657	0.5222	0.2245
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9092	0.0908	0.9092	0.0036	0.2193
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8199	0.0515	0.8199	0.7893	0.1633
watch-gyr10%	0.9126	0.0250	0.9126	0.8979	0.1025
waveform	0.7680	0.1547	0.7680	0.6516	0.4547
web-phishing	0.8667	0.0889	0.8667	0.7611	0.3858
weight-lift	0.5108	0.1957	0.5108	0.3387	0.2937
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0287
wilt	0.9752	0.0248	0.9752	0.7261	0.4016
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5409	0.1530	0.5409	0.2317	0.3245
winequality-white	0.4479	0.1578	0.4479	0.0215	0.4003
winnipeg	0.8461	0.0440	0.8461	0.8012	0.0906
yale	0.6875	0.0417	0.6875	0.6667	0.0748
yeast	0.5135	0.0973	0.5135	0.3809	0.3657
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7204	0.0559	0.7204	0.6864	0.2247
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 34: Detailed results for A-Boosting

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1799	0.0566	0.1799	0.0864	0.3731
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9812	0.0188	0.9812	0.0295	0.3154
ads	0.9604	0.0396	0.9604	0.8245	0.2725
adult	0.8288	0.1712	0.8288	0.3720	0.3605
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.8810	0.1190	0.8810	-0.0488	0.7141
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.2649	0.7719
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9976	0.0024	0.9976	0.4880	0.0117
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.7000	0.3000	0.7000	0.2857	0.8453
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9666	0.0167	0.9666	0.9362	0.1073
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9374	0.0156	0.9374	0.8955	0.0693
anuran-species	0.9597	0.0081	0.9597	0.9438	0.0839
aps-failure	0.9899	0.0101	0.9899	0.6162	0.1277
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7111	0.0444	0.7111	0.4913	0.2011
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6109	0.0648	0.6109	0.4399	0.2572
balance	0.8226	0.1183	0.8226	0.6883	0.2497
bank	0.9070	0.0930	0.9070	0.4567	0.5808
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5554	0.4503
basehock	0.9548	0.0452	0.9548	0.9096	0.2220
bio	0.9963	0.0037	0.9963	0.7482	0.1414
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9980	0.0000	1.0000	0.1478	0.3332
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.8214	0.1786	0.8214	0.5455	0.6636
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.7297	0.1255
bub10at310k-hg16-17	0.9108	0.0892	0.9108	0.0387	0.2319
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9770	0.0115	0.9770	0.9512	0.1286
card	0.8696	0.1304	0.8696	0.7361	0.5115
cardiotocography	0.8263	0.0347	0.8263	0.7906	0.1829
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7831	0.2599
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5418	0.3576
cas_N6512_cdk_ECFP2	0.5484	0.4516	0.5484	0.0226	0.5663
cdc_diabetes	0.8452	0.1032	0.8452	0.0525	0.2251
census10%	0.9699	0.0461	0.9440	0.4302	0.3639
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8521	0.1169
ci100410h_MACCS	0.8438	0.1562	0.8438	0.3846	0.3145
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6154	0.6415
ci200186m_DESC_PADEL	0.9259	0.0741	0.9259	0.8412	0.3657
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5896	0.6206
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3479	0.6683
cirrhosis	0.6429	0.2381	0.6429	0.2391	0.4537
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8185	0.0907	0.8185	0.7170	0.3928
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5578	0.2948	0.5578	0.3100	0.6829
cnae-9	0.6204	0.0844	0.6204	0.5729	0.1653
codon_usage	0.6094	0.0710	0.6094	0.5169	0.2173
coil20	0.9931	0.0007	0.9931	0.9927	0.0052
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0387	0.9534
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.6207	0.3793	0.6207	0.1448	0.8434
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.2961	0.7083
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9845	0.0104	0.9845	0.4905	0.0814
cottonmeloidogyne	0.5577	0.4423	0.5577	0.1083	0.6689
coupon	0.7106	0.2894	0.7106	0.3963	0.8006
covtype	0.7061	0.0840	0.7061	0.5218	0.3623
covtypeCD	0.9846	0.0154	0.9846	0.9336	0.1512
covtypeT	0.9764	0.0236	0.9764	0.8227	0.3644
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8138	0.0621	0.8138	0.5608	0.2376
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3233	0.1194
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8267	0.1733	0.8267	0.3898	0.6291
deposit	0.8958	0.1042	0.8958	0.2986	0.5245
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8500	0.1500	0.8500	0.7000	0.5201
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5891	0.2835	0.5893	0.1567	0.5315
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0909	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5615	0.4385	0.5615	0.0910	0.8617
dropout	0.7269	0.1821	0.7269	0.5303	0.4928
drug-01	0.3989	0.1717	0.3989	0.0078	0.3625
drug-02	0.5160	0.1383	0.5160	0.0182	0.3439
drug-03	0.6702	0.0942	0.6702	-0.0189	0.3366
drug-04	0.5266	0.1353	0.5266	0.0200	0.4292
drug-05	0.7287	0.0775	0.7287	0.0052	0.2297
drug-06	0.3936	0.1733	0.3936	0.2162	0.4199
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5532	0.1277	0.5532	0.0144	0.3026
drug-09	0.8457	0.0441	0.8457	-0.0256	0.3463
drug-10	0.5372	0.1322	0.5372	-0.0060	0.3392
drug-11	0.8457	0.0441	0.8457	-0.0070	0.2075
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6064	0.1125	0.6064	0.2141	0.3283
drug-14	0.5904	0.1170	0.5904	0.1473	0.3887
drug-15	0.7660	0.0669	0.7660	0.0808	0.1860
drug-16	0.5745	0.1216	0.5745	0.2910	0.3689
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0161	0.1589
drybean	0.9096	0.0258	0.9096	0.8901	0.1206
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1712	0.1036	0.1712	0.0350	0.3737
eeg-eye	0.5774	0.4226	0.5774	0.0662	0.5544
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.1333	0.8025
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.3750	0.6605
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7710	0.4703
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5480	0.2999
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9273	0.0727	0.9273	0.8537	0.3321
fbis-wc	0.5894	0.0483	0.5894	0.5189	0.2425
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5000	0.1250	0.5000	0.3631	0.2433
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4048	0.0078	0.4048	0.3478	0.2655
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8188	0.0604	0.8188	0.7802	0.1619
gastrointestinal	0.8125	0.1250	0.8125	0.7126	0.1983
gender	0.5874	0.2751	0.5874	0.0001	0.3499
gene	0.9432	0.0379	0.9432	0.9090	0.1666
german	0.6500	0.3500	0.6500	0.0331	0.6884
gina	0.8386	0.1614	0.8386	0.6757	0.5180
glass	0.7619	0.0794	0.7619	0.6769	0.2763
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2771	0.5715
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9204	0.0133	0.9204	0.9059	0.0921
har70	0.8492	0.0431	0.8492	0.7855	0.1417
harth10%	0.8597	0.0249	0.8311	0.7829	0.2104
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8086	0.1914	0.8086	0.6167	0.6120
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5502	0.4498	0.5502	0.0477	0.5847
higher	0.2857	0.1786	0.2857	0.1463	0.3552
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8820	0.1180	0.8820	0.5347	0.5839
hiva	0.9645	0.0355	0.9645	0.1102	0.3399
horse	0.6111	0.2593	0.6111	0.2971	0.6237
htru2	0.9777	0.0223	0.9777	0.8588	0.2314
ht-sensor	0.7229	0.1847	0.7229	0.5916	0.3738
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5892	0.0316	0.5892	0.5728	0.1992
jm1	0.8090	0.1910	0.8090	0.0501	0.4618
fvowels	0.7219	0.0618	0.7219	0.6833	0.2279
kc1	0.8578	0.1422	0.8578	0.2066	0.4924
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3824	0.7363
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.8111	0.0210	0.8111	0.7891	0.2383
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5006	0.1632	0.5158	0.3189	0.3183
la2s-wc	0.4821	0.1726	0.4897	0.2969	0.3332
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6606	0.0572
led24	0.7000	0.0600	0.7000	0.6610	0.1254
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4395	0.0431	0.4395	0.4177	0.2775
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.9167	0.0111	0.9167	0.9103	0.0371
linkage10%	0.9917	0.0001	0.9949	0.9849	0.0207
liver	0.6176	0.3824	0.6176	0.0090	0.9328
localization	0.5244	0.0865	0.5244	0.3771	0.3773
lrs	0.8302	0.0340	0.8302	0.7646	0.1507
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1721
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5385	0.4615	0.5385	0.0769	0.9396
magic04	0.7859	0.2141	0.7859	0.4631	0.5116

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6551	0.4354
messidor	0.5913	0.4087	0.5913	0.2403	0.6892
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.0919
mfeat-fou	0.7450	0.0510	0.7450	0.7167	0.1768
mfeat-kar	0.7800	0.0440	0.7800	0.7556	0.1860
mfeat-mor	0.7200	0.0560	0.7200	0.6889	0.1968
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0758
mfeat-zer	0.6200	0.0760	0.6200	0.5778	0.2551
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4848	0.4187
mobile	0.4476	0.0197	0.4476	0.4376	0.2053
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8818	0.1182	0.8818	0.3422	0.2571
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9709
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.6664
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4690	0.7682
MUT_ci300400a	0.6028	0.3972	0.6028	0.0808	0.5862
MUT_ci300400a_cdk_ECFP2	0.5935	0.4065	0.5935	0.0318	0.5457
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9461	0.0539	0.9461	0.8922	0.2645
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9319	0.0091	0.9018	0.7361	0.4452
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9463	0.0537	0.9463	0.8665	0.2989
NPHA-doctor-visits	0.4722	0.3519	0.4722	-0.0126	0.7193
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.6000	0.0800	0.6000	0.5346	0.2546
oh15-wc	0.5978	0.0804	0.5978	0.5300	0.2098
oh5-wc	0.5055	0.0989	0.5055	0.4213	0.2539
opn310k	0.9114	0.0886	0.9114	0.0481	0.2237
opnat310k-hg16-17	0.9115	0.0885	0.9115	0.0564	0.2435
optdigits	0.9128	0.0174	0.9128	0.9031	0.1132
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.3500	0.0325	0.3500	0.3333	0.1797
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9170	0.0830	0.9170	0.0625	0.5602
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8400	0.1856

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8957	0.1043	0.8957	0.7398	0.4894
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.8553	0.1447	0.8553	0.5417	0.4619
pediatric-leukemia	0.7941	0.0588	0.7941	0.7473	0.1816
pendigits	0.9472	0.0106	0.9472	0.9413	0.0624
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8299	0.1701	0.8299	0.6169	0.6283
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.7005	0.5217
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9714	0.0286	0.9714	0.9399	0.1774
phoneme	0.7278	0.2722	0.7278	0.0809	0.5682
phy	0.6378	0.3622	0.6378	0.2776	0.7811
pima	0.6842	0.3158	0.6842	0.2621	0.7280
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7286	0.0543	0.7286	0.4911	0.2034
polish-1st	0.9616	0.0384	0.9616	0.1203	0.3602
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9602	0.0398	0.9602	0.4625	0.3649
polish-5th	0.9509	0.0491	0.9509	0.4706	0.2987
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.6457	0.1417	0.6457	0.5562	0.2591
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.8025
primary-tumor	0.4242	0.0523	0.4242	0.3489	0.2177
profb	0.6418	0.3582	0.6418	0.0025	0.8550
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9213	0.0315	0.9213	0.8934	0.1160
pufs-6410%	0.4952	0.5048	0.4952	-0.0097	0.9920
raisin	0.8444	0.1556	0.8444	0.6889	0.5288
re0-wc	0.5067	0.0759	0.5067	0.2528	0.3504
re1-wc	0.5301	0.0376	0.5301	0.4383	0.1921
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9938	0.0010	0.9938	0.9845	0.0079
satimage	0.8149	0.0617	0.8149	0.7670	0.1795
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.8989	0.1011	0.8989	0.0240	0.3137
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.5556	0.4444	0.5556	0.2500	0.5000
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6412	0.3588	0.6412	0.3272	0.5196
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8692	0.1475	0.8461	-0.0064	0.6531
sensorless	0.9145	0.0155	0.9145	0.9060	0.0797
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8881	0.1119	0.8881	0.5918	0.6079
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9914	0.0086	0.9914	0.9743	0.1139
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.7698	0.0767	0.7698	0.7039	0.1752
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9412	0.0062	0.9412	0.9355	0.0336
spambase	0.9261	0.0739	0.9261	0.8421	0.3139
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4717	0.0220	0.4717	0.4387	0.1183
splice-EI	0.9653	0.0347	0.9653	0.9092	0.2535
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.8200	0.1800	0.8200	0.6139	0.6416
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.0749	0.3544
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8941	0.0706	0.8941	0.8284	0.2406
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6923	0.3077	0.6923	0.1552	0.5350
steel-p	0.9179	0.0821	0.9179	0.2948	0.5925
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.5385	0.3077	0.5385	0.2642	0.5367
student-weekend	0.3846	0.2462	0.3846	0.0349	0.4985
student-workday	0.7031	0.1187	0.7031	0.1351	0.3551
susy10%	0.7460	0.2540	0.7460	0.4714	0.6406
swarm_aligned	0.9885	0.0000	0.9877	0.9990	0.0000
swarm_flocking	0.9940	0.0000	0.9815	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.6263
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.8782	0.0221	0.8782	0.8657	0.1140
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8766	0.1234	0.8766	0.6529	0.5461
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5321	0.2107
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7333	0.2667	0.7333	0.0040	0.7788
trec11-wc	0.8293	0.0379	0.8293	0.7850	0.1289
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9355	0.0184	0.9355	0.9151	0.0772
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9275	0.0145	0.9275	0.9156	0.0590
tuandromd	0.9933	0.0067	0.9933	0.9792	0.0851
turkish	0.8250	0.0875	0.8250	0.7667	0.2512
tvnews	0.7924	0.2076	0.7924	0.5088	0.5840
urban	0.8507	0.0332	0.8507	0.8243	0.1242
vehicle	0.7500	0.1250	0.7500	0.6638	0.2114
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6364	0.0661	0.6364	0.6000	0.1999
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.8108	0.0541	0.8108	0.7783	0.1736
watch-gyr10%	0.8875	0.0321	0.8875	0.8686	0.1361
waveform	0.7660	0.1560	0.7660	0.6491	0.4381
web-phishing	0.8741	0.0840	0.8741	0.7783	0.3747
weight-lift	0.5197	0.1921	0.5197	0.3515	0.2905
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9896	0.0104	0.9896	0.8925	0.2660
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.5409	0.1530	0.5409	0.2356	0.3548
winequality-white	0.4888	0.1461	0.4888	0.1972	0.5627
winnipeg	0.8460	0.0438	0.8648	0.8167	0.0911
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.4932	0.1014	0.4932	0.3542	0.3677
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.7344	0.0531	0.7344	0.7017	0.2198
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 35: Detailed results for BBOB

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1463	0.0589	0.1463	0.0482	0.4356
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9834	0.0166	0.9834	0.1810	0.2106
ads	0.9665	0.0335	0.9665	0.8515	0.2217
adult	0.8632	0.1368	0.8632	0.5827	0.5614
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6757	0.3243	0.6757	0.2975	0.8463
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9968	0.0032	0.9968	0.1617	0.0150
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0879
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9152	0.0212	0.9152	0.8562	0.1053
anuran-species	0.9611	0.0078	0.9611	0.9456	0.0842
aps-failure	0.9872	0.0128	0.9872	0.4535	0.0884
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7333	0.0410	0.7333	0.5462	0.1975
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6277	0.0621	0.6277	0.4613	0.2631
balance	0.8548	0.0968	0.8548	0.7330	0.3419
bank	0.9121	0.0879	0.9121	0.5034	0.5700
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8180	0.1820	0.8180	0.5630	0.4646
basehock	0.9347	0.0653	0.9347	0.8694	0.2767
bio	0.9963	0.0037	0.9963	0.7459	0.1232
biodeg	0.8571	0.1429	0.8571	0.6957	0.5561
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	1.0000	0.0000	0.9927	0.1538	0.3291
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1000	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.7000	0.0857	0.7000	0.5946	0.1601
bub10at310k-hg16-17	0.9104	0.0896	0.9104	0.0313	0.2325
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	1.0000	0.0000	1.0000	1.0000	0.0000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9713	0.0144	0.9713	0.9393	0.1436
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8310	0.0338	0.8310	0.7960	0.1702
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8016	0.2881
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6503	0.4120
cas_N6512_cdk_ECFP2	0.5499	0.4501	0.5499	0.0266	0.5833
cdc_diabetes	0.8482	0.1012	0.8482	0.1563	0.2974
census10%	0.9447	0.0471	0.9634	0.4236	0.3738
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9998	0.0002	0.9998	0.8570	0.0702
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6857	0.5682
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.5946	0.6457
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6347	0.5902
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3399	0.6219
cirrhosis	0.7143	0.1905	0.7143	0.4140	0.4198
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8148	0.0926	0.8148	0.7134	0.3826
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.6054	0.2630	0.6054	0.3803	0.6455
cnae-9	0.6852	0.0700	0.6852	0.6458	0.1479
codon_usage	0.6101	0.0709	0.6101	0.5179	0.2177
coil20	0.9792	0.0021	0.9792	0.9781	0.0148
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5517	0.4483	0.5517	0.0157	0.9614
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6552	0.3448	0.6552	0.2961	0.7083
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9837	0.0109	0.9837	0.4400	0.0330
cottonmeloidogyne	0.6490	0.3510	0.6490	0.3016	0.7285
coupon	0.7137	0.2863	0.7137	0.4053	0.8002
covtype	0.7100	0.0829	0.7100	0.5272	0.3528
covtypeCD	0.9816	0.0184	0.9816	0.9205	0.1736
covtypeT	0.9818	0.0182	0.9818	0.8572	0.2731
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8267	0.0578	0.8267	0.5903	0.2609
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5000	0.0250	0.5000	0.4854	0.0744
cyclopentane	0.8148	0.1852	0.8148	0.6281	0.6331
cylinder-bands	0.7222	0.2778	0.7222	0.3873	0.6049
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8247	0.1753	0.8247	0.3787	0.6302
deposit	0.8998	0.1002	0.8998	0.4466	0.6070
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8500	0.1500	0.8500	0.7000	0.5201
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5754	0.2750	0.5937	0.1608	0.5316
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5607	0.4393	0.5607	0.0918	0.8834
dropout	0.7404	0.1731	0.7404	0.5582	0.4871
drug-01	0.4149	0.1672	0.4149	0.0426	0.3053
drug-02	0.5106	0.1398	0.5106	0.0118	0.3668
drug-03	0.6702	0.0942	0.6702	-0.0287	0.3329
drug-04	0.5319	0.1337	0.5319	0.0258	0.3576
drug-05	0.7340	0.0760	0.7340	0.0144	0.1866
drug-06	0.3670	0.1809	0.3670	0.1916	0.5690
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5532	0.1277	0.5532	0.0308	0.3138
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5106	0.1398	0.5106	-0.0084	0.4509
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.5957	0.1155	0.5957	0.1754	0.3778
drug-14	0.5851	0.1185	0.5851	0.1253	0.4313
drug-15	0.7606	0.0684	0.7606	0.0742	0.2920
drug-16	0.5957	0.1155	0.5957	0.3506	0.3813
drug-17	0.3351	0.1900	0.3351	0.0249	0.3810
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9236	0.0218	0.9236	0.9075	0.1229
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1662	0.1042	0.1662	0.0303	0.4139
eeg-eye	0.5901	0.4099	0.5901	0.0971	0.5587
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2066	0.7811
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4841	0.6670
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8703	0.1081
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7710	0.4703
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5496	0.2968
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9224	0.0776	0.9224	0.8443	0.3636
fbis-wc	0.5772	0.0497	0.5772	0.5017	0.2352
fda.atompair_fp	0.6364	0.3636	0.6364	-0.1579	0.9308
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6203	0.1777
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5466	0.0060	0.5405	0.5193	0.5407
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8088	0.0637	0.8088	0.7678	0.1636
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5916	0.2723	0.5916	0.0103	0.3336
gene	0.9527	0.0315	0.9527	0.9244	0.1430
german	0.6900	0.3100	0.6900	0.1842	0.7064
gina	0.8329	0.1671	0.8329	0.6646	0.5744
glass	0.7619	0.0794	0.7619	0.6749	0.2402
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4818
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.8994	0.0168	0.8994	0.8811	0.0955
har70	0.8507	0.0426	0.8507	0.7875	0.1419
harth10%	0.8314	0.0250	0.8532	0.8046	0.2089
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5880
hERG-121inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5508	0.4492	0.5508	0.0490	0.5857
higher	0.3571	0.1607	0.3571	0.2364	0.2889
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8685	0.1315	0.8685	0.4770	0.6250
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.5833	0.2778	0.5833	0.2330	0.6486
htru2	0.9804	0.0196	0.9804	0.8775	0.2125
ht-sensor	0.7594	0.1604	0.7594	0.6438	0.3756
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0475	0.6485
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5764	0.0326	0.5764	0.5594	0.1945
jm1	0.8081	0.1919	0.8081	0.0638	0.5197
fvowels	0.7892	0.0469	0.7892	0.7611	0.2093
kc1	0.8626	0.1374	0.8626	0.2727	0.5332
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1250	0.1799
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2956	0.7699
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.7979	0.0225	0.7979	0.7744	0.2481
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5045	0.1624	0.5150	0.3113	0.3238
la2s-wc	0.4870	0.1725	0.4961	0.2880	0.3278
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6622	0.0455
led24	0.7000	0.0600	0.7000	0.6610	0.1254
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.3565	0.0495	0.3565	0.3328	0.3056
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8889	0.0148	0.8889	0.8807	0.0408
linkage10%	0.9937	0.0001	0.9840	0.9997	0.0210
liver	0.6765	0.3235	0.6765	0.1137	0.8220
localization	0.5266	0.0861	0.5266	0.3785	0.3710
lrs	0.8113	0.0377	0.8113	0.7368	0.1492
lsvt	0.6154	0.3846	0.6154	0.2529	0.7912
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1721
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5154	0.4846	0.5154	0.0308	0.9768
magic04	0.8027	0.1973	0.8027	0.5156	0.5288

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7921	0.1386	0.7921	0.6854	0.4086
messidor	0.5739	0.4261	0.5739	0.2113	0.6939
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8442	0.1259
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9350	0.0130	0.9350	0.9278	0.0686
mfeat-fou	0.7200	0.0560	0.7200	0.6889	0.1892
mfeat-kar	0.8100	0.0380	0.8100	0.7889	0.1734
mfeat-mor	0.7350	0.0530	0.7350	0.7056	0.1938
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.0936
mfeat-zer	0.6650	0.0670	0.6650	0.6278	0.2108
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4832	0.4159
mobile	0.3531	0.0231	0.3531	0.3412	0.2269
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8894	0.1106	0.8894	0.4018	0.2472
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9583
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4928	0.5072	0.4928	-0.0281	0.7548
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7489
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4690	0.7682
MUT_ci300400a	0.6053	0.3947	0.6053	0.0874	0.5852
MUT_ci300400a_cdk_ECFP2	0.5959	0.4041	0.5959	0.0394	0.5603
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9485	0.0515	0.9485	0.8970	0.2572
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9130	0.0094	0.9078	0.7529	0.4345
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9408	0.0592	0.9408	0.8554	0.3398
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0786	0.6845
nursery	0.9977	0.0009	0.9977	0.9966	0.0202
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.5238	0.0952	0.5238	0.4431	0.2568
oh15-wc	0.5870	0.0826	0.5870	0.5167	0.2466
oh5-wc	0.5165	0.0967	0.5165	0.4342	0.2481
opn310k	0.9106	0.0894	0.9106	0.0334	0.2250
opnat310k-hg16-17	0.9107	0.0893	0.9107	0.0435	0.2508
optdigits	0.9199	0.0160	0.9199	0.9110	0.1038
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.6500	0.0175	0.6500	0.6410	0.0954
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9726	0.0110	0.9726	0.8370	0.1560

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8712	0.1288	0.8712	0.6806	0.5587
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5670	0.4330	0.5670	-0.0307	0.6801
pd	0.8553	0.1447	0.8553	0.5417	0.4619
pediatric-leukemia	0.7941	0.0588	0.7941	0.7473	0.1816
pendigits	0.9572	0.0086	0.9572	0.9524	0.0578
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6478	0.5885
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9081
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7626	0.4657
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.8222	0.1778	0.8222	0.6073	0.6130
phy	0.6332	0.3668	0.6332	0.2642	0.7721
pima	0.7368	0.2632	0.7368	0.4225	0.7566
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7305	0.0539	0.7305	0.4934	0.1954
polish-1st	0.9772	0.0228	0.9772	0.5694	0.0751
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9582	0.0418	0.9582	0.4349	0.3983
polish-5th	0.9560	0.0440	0.9560	0.5327	0.2231
polya	0.6454	0.3546	0.6454	0.0150	0.5210
popularity	0.6315	0.2456	0.6315	0.0019	0.3100
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.6515	0.1394	0.6515	0.5635	0.2577
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8502
primary-tumor	0.4242	0.0523	0.4242	0.3496	0.2099
profb	0.7015	0.2985	0.7015	0.1687	0.7063
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9206	0.0318	0.9206	0.8923	0.1185
pufs-6410%	0.5041	0.4959	0.5041	0.0080	0.9698
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.4800	0.0800	0.4800	0.2078	0.3524
re1-wc	0.5301	0.0376	0.5301	0.4383	0.1921
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9964	0.0006	0.9964	0.9910	0.0066
satimage	0.8289	0.0570	0.8289	0.7871	0.2180
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.9316	0.0684	0.9316	0.5497	0.4688
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.3721	0.5239
schizo	0.5000	0.5000	0.5000	0.0000	0.9694
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6093	0.3907	0.6093	0.2721	0.5252
segment	0.9610	0.0111	0.9610	0.9544	0.0459
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0927	0.3832
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8701	0.1530	0.8419	-0.0063	0.6673
sensorless	0.8791	0.0220	0.8791	0.8671	0.0842
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8889	0.1111	0.8889	0.5069	0.5676
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9914	0.0086	0.9914	0.9742	0.1142
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.7770	0.0743	0.7770	0.7134	0.1963
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9196	0.0804	0.9196	0.8284	0.3433
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4717	0.0220	0.4717	0.4349	0.1478
splice-EI	0.9685	0.0315	0.9685	0.9178	0.2408
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.8100	0.1900	0.8100	0.5947	0.6609
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8103	0.1897	0.8103	0.1459	0.3454
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8927	0.0715	0.8927	0.8262	0.2437
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6923	0.3077	0.6923	0.1763	0.6575
steel-p	0.9128	0.0872	0.9128	0.3253	0.6351
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1415	0.5464
student-weekend	0.3385	0.2646	0.3385	0.1152	0.6784
student-workday	0.7188	0.1125	0.7188	0.1700	0.2996
susy10%	0.7569	0.2431	0.7569	0.5053	0.7313
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	0.9858	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	0.9838	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.4056
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.8927	0.0195	0.8927	0.8818	0.1091
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8714	0.1286	0.8714	0.6409	0.5653
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7647	0.1176	0.7647	0.6852	0.1975
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	0.0304	0.8859
trec11-wc	0.8049	0.0434	0.8049	0.7539	0.1319
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9355	0.0184	0.9355	0.9151	0.0772
trec41-wc	0.9432	0.0114	0.9432	0.9305	0.0561
trec45-wc	0.9420	0.0116	0.9420	0.9326	0.0534
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.7750	0.1125	0.7750	0.7000	0.2771
tvnews	0.7568	0.2432	0.7568	0.4103	0.6172
urban	0.8358	0.0365	0.8358	0.8066	0.1402
vehicle	0.7619	0.1190	0.7619	0.6775	0.2441
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5758	0.0771	0.5758	0.5333	0.2283
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9087	0.0913	0.9087	0.0009	0.2486
wap-wc	0.3269	0.0673	0.3269	0.1674	0.2872
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8340	0.0474	0.8340	0.8054	0.1534
watch-gyr10%	0.8678	0.0378	0.8678	0.8454	0.1424
waveform	0.7780	0.1480	0.7780	0.6672	0.4564
web-phishing	0.8667	0.0889	0.8667	0.7638	0.3881
weight-lift	0.5057	0.1977	0.5057	0.3314	0.2938
white-clover	0.1667	0.4167	0.1667	-0.6667	0.3708
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9896	0.0104	0.9896	0.8925	0.2660
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6164	0.1279	0.6164	0.3707	0.4232
winequality-white	0.4417	0.1595	0.4417	0.0182	0.4608
winnipeg	0.8373	0.0448	0.8333	0.7993	0.0895
yale	0.7500	0.0333	0.7500	0.7322	0.0618
yeast	0.5338	0.0932	0.5338	0.4057	0.3645
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9527	0.0473	0.9527	0.3410	0.5495
zip	0.7312	0.0538	0.7312	0.6986	0.2213
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 36: Detailed results for AdaBoost.SECC

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0829	0.4246
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9797	0.0203	0.9797	0.2080	0.5220
ads	0.9787	0.0213	0.9787	0.9090	0.1832
adult	0.8456	0.1544	0.8456	0.4716	0.4672
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8889	0.1111	0.8889	0.0745	0.6933
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7619	0.2381	0.7619	0.0150	0.8330
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	0.2217	0.4869
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6216	0.3784	0.6216	0.2152	0.9118
AID_602330	0.9375	0.0625	0.9375	-0.0286	0.6474
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8687	0.0875	0.8687	0.0987	0.3574
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9935	0.0065	0.9935	-0.0009	0.3099
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9722	0.0139	0.9722	0.9470	0.1706
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9736	0.0066	0.9736	0.9565	0.1195
anuran-species	0.9736	0.0053	0.9736	0.9632	0.0656
aps-failure	0.9895	0.0105	0.9895	0.6213	0.2427
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5631	0.2522
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.7991	0.0307
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.7470	0.0422	0.7470	0.6443	0.2075
balance	0.8065	0.1290	0.8065	0.6682	0.3444
bank	0.8468	0.1532	0.8468	0.4896	0.5804
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8502	0.1498	0.8502	0.6532	0.4839
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9969	0.0031	0.9969	0.7967	0.1175
biodeg	0.8857	0.1143	0.8857	0.7600	0.4858
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9743	0.0000	1.0000	0.1501	0.3229
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.6364	0.3636	0.6364	0.2414	0.8512
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1595
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9145	0.0855	0.9145	0.1443	0.3383
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	1.0000	0.0000	1.0000	1.0000	0.0000
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8406	0.1594	0.8406	0.6744	0.5874
cardiotocography	0.8592	0.0282	0.8592	0.8308	0.1576
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7792	0.3342
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6872	0.4214
cas_N6512_cdk_ECFP2	0.5284	0.4716	0.5284	0.1099	0.7127
cdc_diabetes	0.8253	0.1165	0.8253	0.1563	0.5645
census10%	0.9491	0.0463	0.9556	0.4166	0.3808
central-nervous-system	1.0000	0.0000	1.0000	1.0000	0.0000
cervical-B	0.9419	0.0581	0.9419	0.5147	0.5542
cervical-C	0.9419	0.0581	0.9419	0.2612	0.5311
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.6250	0.3750	0.6250	0.1429	0.8433
chrom19	0.9997	0.0003	0.9997	0.8349	0.1885
ci100410h_MACCS	0.7188	0.2812	0.7188	0.1325	0.8517
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6389	0.6114
ci200186m_ExtendedFingerprinter	0.9273	0.0727	0.9273	0.8394	0.3291
ci900367j_MACCS	0.7158	0.2842	0.7158	0.4182	0.7898
cirrhosis	0.7381	0.1746	0.7381	0.4628	0.3973
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7750	0.1125	0.7750	0.6513	0.4842
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5578	0.2948	0.5578	0.3165	0.7050
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0723
codon_usage	0.7567	0.0442	0.7567	0.7000	0.2420
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9800	0.0027	0.9800	0.9780	0.0108
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.6207	0.3793	0.6207	0.1493	0.9180
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.8276	0.1724	0.8276	0.5511	0.6556

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.3029	0.8444
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9990	0.0007	0.9990	0.9763	0.0029
cottonmeloidogyne	0.6274	0.3726	0.6274	0.2591	0.7157
coupon	0.6853	0.3147	0.6853	0.3545	0.8433
covtype	0.5160	0.1383	0.5160	0.2710	0.3057
covtypeCD	0.9756	0.0244	0.9756	0.8954	0.2334
covtypeT	0.9777	0.0223	0.9777	0.8207	0.2982
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.1306	0.8230
crowdsourced	0.8691	0.0436	0.8691	0.7140	0.3198
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1875	0.0406	0.1875	0.1680	0.1153
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7593	0.2407	0.7593	0.4815	0.6443
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8200	0.1800	0.8200	0.3761	0.6632
deposit	0.8987	0.1013	0.8987	0.4368	0.6095
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4738	0.7597
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5844	0.2838	0.5698	0.1589	0.5375
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5000	0.5000	0.5000	-0.0286	0.9973
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.4834	0.5166	0.4834	-0.0009	0.9137
dropout	0.4898	0.3401	0.4898	0.2887	0.5447
drug-01	0.2979	0.2006	0.2979	-0.0228	0.6408
drug-02	0.4255	0.1641	0.4255	0.1865	0.6587
drug-03	0.6330	0.1049	0.6330	0.0755	0.5365
drug-04	0.5000	0.1429	0.5000	0.1008	0.5809
drug-05	0.5904	0.1170	0.5904	-0.0131	0.5726
drug-06	0.1968	0.2295	0.1968	0.0788	0.6553
drug-07	0.3404	0.1885	0.3404	-0.0047	0.6384
drug-08	0.3404	0.1885	0.3404	0.0474	0.7526
drug-09	0.8138	0.0532	0.8138	0.0462	0.4584
drug-10	0.4362	0.1611	0.4362	0.1229	0.6627
drug-11	0.8351	0.0471	0.8351	0.0595	0.5656
drug-12	0.7447	0.0729	0.7447	0.0827	0.6195
drug-13	0.4628	0.1535	0.4628	0.1712	0.7181
drug-14	0.5000	0.1429	0.5000	0.1527	0.6666
drug-15	0.7287	0.0775	0.7287	0.0802	0.5952
drug-16	0.4947	0.1444	0.4947	0.1918	0.6531
drug-17	0.3138	0.1960	0.3138	0.0545	0.6627
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7128	0.0821	0.7128	0.0520	0.7142
drybean	0.9104	0.0256	0.9104	0.8914	0.1410
ecoli	0.7941	0.0515	0.7941	0.7167	0.1719
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.0672	0.1166	0.0672	0.0464	0.4329
eeg-eye	0.6455	0.3545	0.6455	0.3241	0.6924
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3333	0.8409
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5833	0.6422
er_tox_rdkit_ATOMPAIR	0.9836	0.0164	0.9836	0.8486	0.4011
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9839	0.0161	0.9839	0.9675	0.1023
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7196	0.5081
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.5753	0.1699	0.5753	0.4526	0.4949
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9234	0.0766	0.9234	0.8464	0.3612
fbis-wc	0.6748	0.0383	0.6748	0.6343	0.2802
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5000	0.1250	0.5000	0.3750	0.2372
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5480	0.0059	0.5279	0.5104	0.5488
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9892	0.0036	0.9892	0.9869	0.0288
gastrointestinal	0.8125	0.1250	0.8125	0.6883	0.2835
gender	0.3579	0.4281	0.3579	0.0056	0.4680
gene	0.9432	0.0379	0.9432	0.9088	0.1678
german	0.6200	0.3800	0.6200	0.1183	0.9261
gina	0.8242	0.1758	0.8242	0.6481	0.6164
glass	0.7143	0.0952	0.7143	0.6062	0.2538
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9524	0.0476	0.9524	0.8889	0.1675
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6777	0.5692
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.7333	0.1333	0.7333	0.6319	0.2998
haberman	0.7667	0.2333	0.7667	0.3787	0.7748
hapt	0.9113	0.0148	0.9113	0.8950	0.0933
har70	0.8458	0.0440	0.8458	0.7819	0.1795
harth10%	0.8454	0.0255	0.8638	0.7854	0.2117
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.7667	0.2333	0.7667	0.5249	0.6926
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7913	0.2087	0.7913	0.5818	0.5977
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.1250	0.9054
higgs10%	0.4706	0.5294	0.4706	0.0001	0.5352
higher	0.2143	0.1964	0.2143	0.0941	0.3615
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.9207	0.0793	0.9207	0.6995	0.4527
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6667	0.2222	0.6667	0.4248	0.5292
htru2	0.9760	0.0240	0.9760	0.8545	0.2980
ht-sensor	0.5972	0.2686	0.5972	0.3692	0.3847
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0898
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.2937	0.7766
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5546	0.0343	0.5546	0.5367	0.2874
jm1	0.8044	0.1956	0.8044	0.1650	0.7022
fvowels	0.8484	0.0337	0.8484	0.8283	0.1976
kc1	0.8626	0.1374	0.8626	0.3408	0.6188
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1901	0.1400
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7115	0.2885	0.7115	0.1055	0.8536
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8802	0.0133	0.8802	0.8664	0.2225
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5115	0.1661	0.5023	0.3137	0.3109
la2s-wc	0.4889	0.1704	0.4826	0.2845	0.3254
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.5000	0.0250	0.5000	0.4788	0.0817
led24	0.5500	0.0900	0.5500	0.4958	0.2179
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4065	0.0457	0.4065	0.3820	0.3693
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6113	0.1466
linkage10%	0.9790	0.0001	1.0000	1.0000	0.0209
liver	0.6471	0.3529	0.6471	0.2635	0.8463
localization	0.3118	0.1251	0.3118	0.1912	0.5267
lrs	0.8491	0.0302	0.8491	0.7903	0.0997
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.0486
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5308	0.4692	0.5308	0.0615	0.9595
magic04	0.5907	0.4093	0.5907	0.2764	0.6500

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6468	0.6085
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7416	0.3187
messidor	0.6000	0.4000	0.6000	0.1342	0.8784
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8421	0.0879
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0894
mfeat-fou	0.6700	0.0660	0.6700	0.6333	0.2833
mfeat-kar	0.8700	0.0260	0.8700	0.8556	0.1464
mfeat-mor	0.5800	0.0840	0.5800	0.5333	0.2912
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0505
mfeat-zer	0.6300	0.0740	0.6300	0.5889	0.3089
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3384	0.5197
mobile	0.4377	0.0199	0.4424	0.4407	0.2035
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9879	0.0121	0.9879	0.9532	0.1251
mutagen_class_1	0.5882	0.4118	0.5882	0.1765	0.9134
mutagen_class_2	0.5588	0.4412	0.5588	0.1176	0.5228
mutagen_class_3	0.4493	0.5507	0.4493	-0.1026	1.0000
mutagens_ExtendedFingerprinter	0.8235	0.1765	0.8235	0.6471	0.5486
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.4875	0.5125	0.4875	0.0884	0.6142
MUT_ci300400a_cdk_ECFP2	0.5048	0.4952	0.5048	0.1249	0.5998
myocardial	0.8765	0.0309	0.8765	0.4531	0.2811
naticusdroid	0.9683	0.0317	0.9683	0.9366	0.1887
nci9	0.5000	0.1111	0.5000	0.4000	0.1511
ncRNA10%	0.9084	0.0092	0.9110	0.7592	0.4460
newspop	0.4748	0.5252	0.4748	0.0111	0.5974
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9553	0.0447	0.9553	0.8901	0.2728
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.1094	0.7539
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9951	0.0049	0.9951	0.9863	0.0583
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9307	0.0139	0.9307	0.9206	0.0688
oh10-wc	0.7429	0.0514	0.7429	0.7064	0.2465
oh15-wc	0.8261	0.0348	0.8261	0.8018	0.1693
oh5-wc	0.8571	0.0286	0.8571	0.8392	0.1428
opn310k	0.9164	0.0836	0.9164	0.1887	0.3625
opnat310k-hg16-17	0.9147	0.0853	0.9147	0.1582	0.3586
optdigits	0.9431	0.0114	0.9431	0.9367	0.0825
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6000	0.0200	0.6000	0.5897	0.0719
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8742	0.1531

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8697	0.1303	0.8697	0.6760	0.5621
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.4299	0.5443
pcmac	0.5052	0.4948	0.5052	-0.0282	0.9978
pd	0.9605	0.0395	0.9605	0.8966	0.2801
pediatric-leukemia	0.7941	0.0588	0.7941	0.7435	0.1433
pendigits	0.9936	0.0013	0.9936	0.9929	0.0116
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.7938	0.2062	0.7938	0.5121	0.6762
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8682
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7460	0.5006
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7059	0.4011
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9878	0.0122	0.9878	0.9744	0.0960
phoneme	0.8111	0.1889	0.8111	0.5736	0.6538
phy	0.5470	0.4530	0.5470	0.0981	0.7076
pima	0.6974	0.3026	0.6974	0.3630	0.8330
plx	0.7222	0.2778	0.7222	0.2623	0.8344
poker	0.7519	0.0496	0.7519	0.5688	0.9739
polish-1st	0.9644	0.0356	0.9644	0.2729	0.3995
polish-2nd	0.9577	0.0423	0.9577	0.0360	0.4216
polish-3rd	0.9476	0.0524	0.9476	0.0237	0.4710
polish-4th	0.9520	0.0480	0.9520	0.3678	0.4938
polish-5th	0.9442	0.0558	0.9442	0.4495	0.4783
polya	0.6865	0.3135	0.6865	0.2221	0.7894
popularity	0.4537	0.3642	0.4537	0.1247	0.4300
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9118	0.0353	0.9118	0.8895	0.1469
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.9238
primary-tumor	0.3636	0.0579	0.3636	0.3042	0.2198
profb	0.8060	0.1940	0.8060	0.5549	0.6811
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9568	0.0173	0.9568	0.9419	0.0897
pufs-6410%	0.5029	0.4971	0.5029	0.0058	0.9983
raisin	0.8556	0.1444	0.8556	0.7111	0.5413
re0-wc	0.6933	0.0472	0.6933	0.6075	0.3786
re1-wc	0.7651	0.0188	0.7651	0.7344	0.2403
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5646	0.4354	0.5646	0.2181	0.6516
RT_IOT2022	0.9992	0.0001	0.9992	0.9980	0.0014
satimage	0.8414	0.0529	0.8414	0.8024	0.2020
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9316	0.0684	0.9316	0.5497	0.4688
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9560
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.9998	0.0002	0.9998	0.9997	0.0019
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.1334	0.6250
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8395	0.1605	0.8395	0.1085	0.7448
sens-2-gram	0.8500	0.1500	0.8500	0.1094	0.7067
sens-3-gram	0.8395	0.1605	0.8395	0.0683	0.7416
sens-4-gram	0.8493	0.1520	0.8362	-0.0064	0.6694
sensorless	0.9626	0.0068	0.9626	0.9588	0.0435
sepsis	0.9093	0.0907	0.9093	0.0014	0.2173
shoppers	0.8767	0.1233	0.8767	0.5312	0.6382
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8412	0.2443
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9986	0.0086
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7482	0.0839	0.7482	0.6791	0.2476
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9677	0.0170
spambase	0.9174	0.0826	0.9174	0.8253	0.3741
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.3019	0.0291	0.3019	0.2672	0.1776
splice-EI	0.9716	0.0284	0.9716	0.9269	0.2290
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.7500	0.2500	0.7500	0.4667	0.7628
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7897	0.2103	0.7897	0.3612	0.7619
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8833	0.0778	0.8833	0.8096	0.2620
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7385	0.2615	0.7385	0.3842	0.7725
steel-p	0.9385	0.0615	0.9385	0.5390	0.5226
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1727	0.5990
student-weekend	0.3538	0.2585	0.3538	0.1087	0.7066
student-workday	0.6562	0.1375	0.6562	0.2373	0.4781
susy10%	0.7049	0.2951	0.7049	0.4129	0.8013
swarm_aligned	1.0000	0.0000	1.0000	0.9987	0.0000
swarm_flocking	0.9810	0.0000	1.0000	0.9886	0.0000
swarm_grouped	0.9878	0.0000	0.9947	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.8611	0.1389	0.8611	0.6154	0.6155
texture	0.9636	0.0066	0.9636	0.9599	0.0524
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8706	0.1294	0.8706	0.6361	0.5637
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.2399
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	-0.1550	0.9198
trec11-wc	0.9024	0.0217	0.9024	0.8807	0.0924
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8690	0.0452
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9677	0.0092	0.9677	0.9573	0.0845
trec41-wc	0.9545	0.0091	0.9545	0.9441	0.0427
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0517
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8500	0.0750	0.8500	0.8000	0.2320
tvnews	0.7647	0.2353	0.7647	0.4295	0.5900
urban	0.8358	0.0365	0.8358	0.8090	0.1549
vehicle	0.7024	0.1488	0.7024	0.6026	0.3513
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.7500	0.2500	0.7500	0.5263	0.5112
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6364	0.0661	0.6364	0.6000	0.2190
vowelZ	1.0000	0.0000	1.0000	1.0000	0.0000
vrnormat310k-hg16-17	0.9100	0.0900	0.9100	0.0858	0.3908
wap-wc	0.6859	0.0314	0.6859	0.6456	0.1814
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9661	0.0097	0.9661	0.9604	0.0596
watch-gyr10%	0.9187	0.0232	0.9187	0.9051	0.1007
waveform	0.6980	0.2013	0.6980	0.5456	0.4768
web-phishing	0.8741	0.0840	0.8741	0.7743	0.3363
weight-lift	0.9898	0.0041	0.9898	0.9871	0.0212
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5346	0.1551	0.5346	0.2719	0.7116
winequality-white	0.4642	0.1531	0.4642	0.0836	0.5607
winnipeg	0.8531	0.0440	0.8460	0.7858	0.0892
yale	0.7500	0.0333	0.7500	0.7333	0.0611
yeast	0.3919	0.1216	0.3919	0.2207	0.4800
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.8581	0.0284	0.8581	0.8407	0.1912
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 37: Detailed results for FlexBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0856	0.4012
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9825	0.0175	0.9825	0.2164	0.3812
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8620	0.1380	0.8620	0.5744	0.5560
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7429	0.2571	0.7429	-0.0129	0.8491
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.7568	0.2432	0.7568	0.5008	0.7433
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9987	0.0013	0.9987	0.7851	0.0067
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8788	0.0808	0.8788	0.0616	0.1489
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9940	0.0060	0.9940	0.1800	0.3374
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9734	0.0312
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9819	0.0045	0.9819	0.9703	0.0744
anuran-species	0.9833	0.0033	0.9833	0.9768	0.0275
aps-failure	0.9901	0.0099	0.9901	0.6677	0.2895
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5690	0.2557
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8122	0.0313	0.8122	0.7468	0.2134
balance	0.7742	0.1505	0.7742	0.6169	0.3912
bank	0.9024	0.0976	0.9024	0.5287	0.6193
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6620	0.5053
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9968	0.0032	0.9968	0.7949	0.1950
biodeg	0.9143	0.0857	0.9143	0.8191	0.4034
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9717	0.0000	1.0000	0.1523	0.3344
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.1127	0.8846
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9156	0.0844	0.9156	0.1785	0.3728
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8261	0.1739	0.8261	0.6362	0.6012
cardiotocography	0.8451	0.0310	0.8451	0.8131	0.1685
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8282	0.2415
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6343	0.3455
cas_N6512_cdk_ECFP2	0.6098	0.3902	0.6098	0.1770	0.7866
cdc_diabetes	0.8384	0.1077	0.8384	0.1754	0.3803
census10%	0.9688	0.0457	0.9431	0.4341	0.3726
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9998	0.0002	0.9998	0.8736	0.0859
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6757	0.5611
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7094	0.4381
ci900367j_MACCS	0.7895	0.2105	0.7895	0.5527	0.6973
cirrhosis	0.7143	0.1905	0.7143	0.4126	0.4710
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8167	0.0917	0.8167	0.7165	0.3974
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5782	0.2812	0.5782	0.3332	0.6663
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0689
codon_usage	0.7659	0.0426	0.7659	0.7115	0.1816
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0387	0.9534
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6207	0.3793	0.6207	0.2350	0.8975
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9976	0.0016	0.9976	0.9452	0.0060
cottonmeloidogyne	0.6611	0.3389	0.6611	0.3255	0.7143
coupon	0.7145	0.2855	0.7145	0.4163	0.8057
covtype	0.7619	0.0680	0.7619	0.6129	0.3218
covtypeCD	0.9811	0.0189	0.9811	0.9187	0.1861
covtypeT	0.9800	0.0200	0.9800	0.8404	0.2769
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.0763	0.7630
crowdsourced	0.8562	0.0479	0.8562	0.6753	0.2133
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4205	0.0853
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.7778	0.2222	0.7778	0.5242	0.6246
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8220	0.1780	0.8220	0.3742	0.6462
deposit	0.8892	0.1108	0.8892	0.4820	0.6459
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3684	0.5443
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5380	0.6517
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5882	0.2821	0.5885	0.1554	0.5448
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4167	0.5833	0.4167	-0.2353	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5460	0.4540	0.5460	0.0614	0.9020
dropout	0.7269	0.1821	0.7269	0.5549	0.5313
drug-01	0.3936	0.1733	0.3936	0.0131	0.4400
drug-02	0.5106	0.1398	0.5106	0.0131	0.4110
drug-03	0.6649	0.0957	0.6649	-0.0340	0.4207
drug-04	0.5213	0.1368	0.5213	0.0229	0.4177
drug-05	0.7234	0.0790	0.7234	0.0069	0.2616
drug-06	0.3936	0.1733	0.3936	0.2205	0.4888
drug-07	0.3777	0.1778	0.3777	-0.0707	0.4031
drug-08	0.5532	0.1277	0.5532	0.0544	0.3911
drug-09	0.8245	0.0502	0.8245	-0.0466	0.4842
drug-10	0.5213	0.1368	0.5213	0.0122	0.4394
drug-11	0.8511	0.0426	0.8511	0.1045	0.3074
drug-12	0.7872	0.0608	0.7872	-0.0071	0.2219
drug-13	0.6064	0.1125	0.6064	0.2309	0.3870
drug-14	0.6117	0.1109	0.6117	0.3217	0.4400
drug-15	0.7660	0.0669	0.7660	0.1059	0.2410
drug-16	0.5638	0.1246	0.5638	0.2864	0.4671
drug-17	0.3457	0.1869	0.3457	0.0844	0.4460
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7660	0.0669	0.7660	0.0229	0.2808
drybean	0.9273	0.0208	0.9273	0.9119	0.1119
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2077	0.0990	0.2077	0.0829	0.4150
eeg-eye	0.6442	0.3558	0.6442	0.2314	0.6628
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.5301	0.7076
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.4186	0.7581
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6695	0.5756
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.4299	0.7561
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6986	0.1205	0.6986	0.6083	0.3333
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9356	0.0644	0.9356	0.8708	0.3194
fbis-wc	0.6138	0.0454	0.6138	0.5511	0.2385
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5570	0.2092
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5281	0.0061	0.5455	0.5059	0.5502
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9526	0.0158	0.9526	0.9424	0.0713
gastrointestinal	0.9375	0.0417	0.9375	0.9006	0.1278
gender	0.5768	0.2821	0.5768	-0.0008	0.4882
gene	0.9338	0.0442	0.9338	0.8941	0.1875
german	0.6200	0.3800	0.6200	0.0663	0.9179
gina	0.8213	0.1787	0.8213	0.6423	0.6221
glass	0.7143	0.0952	0.7143	0.6062	0.3155
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9524	0.0476	0.9524	0.8889	0.1675
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8095	0.1905	0.8095	0.6082	0.6527
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4226
haberman	0.7000	0.3000	0.7000	0.1290	0.8673
hapt	0.9561	0.0073	0.9561	0.9481	0.0675
har70	0.8469	0.0437	0.8469	0.7821	0.1451
harth10%	0.8609	0.0249	0.8659	0.7807	0.2038
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.9333	0.0667	0.9333	0.8649	0.2404
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8226	0.1774	0.8226	0.6451	0.6200
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5427	0.4436	0.5445	0.0464	0.5941
higher	0.2857	0.1786	0.2857	0.1566	0.3021
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.9089	0.0911	0.9089	0.6314	0.4487
hiva	0.9527	0.0473	0.9527	0.0699	0.6111
horse	0.6389	0.2407	0.6389	0.3768	0.6110
htru2	0.9777	0.0223	0.9777	0.8604	0.2474
ht-sensor	0.8254	0.1164	0.8254	0.7402	0.3255
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7288	0.2712	0.7288	0.1986	0.7697
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6444	0.0274	0.6444	0.6302	0.1964
jm1	0.8136	0.1864	0.8136	0.1512	0.6019
fvowels	0.9086	0.0203	0.9086	0.8965	0.1303
kc1	0.8578	0.1422	0.8578	0.3486	0.6576
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.1385	0.2492
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8706	0.0144	0.8706	0.8554	0.1638
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.4975	0.1625	0.4989	0.3138	0.3149
la2s-wc	0.4903	0.1699	0.5051	0.2900	0.3296
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7216	0.0494
led24	0.7000	0.0600	0.7000	0.6620	0.1246
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.5700	0.0331	0.5700	0.5536	0.2599
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7500	0.0333	0.7500	0.7316	0.1081
linkage10%	1.0000	0.0001	0.9973	1.0000	0.0208
liver	0.6471	0.3529	0.6471	0.2941	0.8066
localization	0.5287	0.0857	0.5287	0.3692	0.3809
lrs	0.8868	0.0226	0.8868	0.8434	0.0951
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0610
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5231	0.4769	0.5231	0.0462	0.9864
magic04	0.7822	0.2178	0.7822	0.4558	0.5424

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6062	0.6403
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.6609	0.3391	0.6609	0.3301	0.8399
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0754
mfeat-fou	0.7450	0.0510	0.7450	0.7167	0.2101
mfeat-kar	0.8600	0.0280	0.8600	0.8444	0.1509
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1997
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0416
mfeat-zer	0.7250	0.0550	0.7250	0.6944	0.2048
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4457	0.4471
mobile	0.4342	0.0198	0.4544	0.4341	0.2019
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9712	0.0288	0.9712	0.8828	0.1605
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.6634
mutagen_class_3	0.4638	0.5362	0.4638	-0.0651	0.9795
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7701
MUT_ci034254q_MACCS	0.7705	0.2295	0.7705	0.5328	0.7053
MUT_ci300400a	0.7318	0.2682	0.7318	0.4615	0.7691
MUT_ci300400a_cdk_ECFP2	0.6583	0.3417	0.6583	0.2249	0.7194
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9707	0.0293	0.9707	0.9414	0.1783
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9131	0.0092	0.8907	0.7514	0.4395
newspop	0.5325	0.4675	0.5325	0.0016	0.5778
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9524	0.0476	0.9524	0.8833	0.2888
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0467	0.7926
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0729
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8416	0.0317	0.8416	0.8168	0.1236
oh10-wc	0.6571	0.0686	0.6571	0.6047	0.2536
oh15-wc	0.6413	0.0717	0.6413	0.5850	0.2643
oh5-wc	0.7582	0.0484	0.7582	0.7277	0.1926
opn310k	0.9184	0.0816	0.9184	0.2777	0.4606
opnat310k-hg16-17	0.9160	0.0840	0.9160	0.1814	0.3579
optdigits	0.9609	0.0078	0.9609	0.9565	0.0518
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.8500	0.0075	0.8500	0.8462	0.0265
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9066	0.1393

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.5000	0.5000	0.5000	-0.0870	1.0000
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8927	0.1073	0.8927	0.7301	0.4943
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.4299	0.5443
pcmac	0.5361	0.4639	0.5361	0.0081	0.9806
pd	0.9211	0.0789	0.9211	0.7895	0.4273
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9945	0.0011	0.9945	0.9939	0.0097
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8093	0.1907	0.8093	0.5704	0.6706
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9348
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6813	0.5812
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.8185	0.1815	0.8185	0.5933	0.6340
phy	0.6242	0.3758	0.6242	0.2460	0.7553
pima	0.7763	0.2237	0.7763	0.5236	0.7134
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.8524	0.0295	0.8524	0.7319	0.2136
polish-1st	0.9644	0.0356	0.9644	0.3435	0.4691
polish-2nd	0.9558	0.0442	0.9558	0.0312	0.4904
polish-3rd	0.9486	0.0514	0.9486	0.0566	0.4658
polish-4th	0.9510	0.0490	0.9510	0.3302	0.4854
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6573	0.3427	0.6573	0.0817	0.6755
popularity	0.6295	0.2470	0.6295	0.0029	0.3402
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9641	0.0143	0.9641	0.9552	0.0783
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8502
primary-tumor	0.3939	0.0551	0.3939	0.3313	0.1593
profb	0.7313	0.2687	0.7313	0.3764	0.8037
promoters	0.9000	0.1000	0.9000	0.7826	0.2846
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9556	0.0177	0.9556	0.9402	0.0830
pufs-6410%	0.4917	0.5083	0.4917	-0.0167	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5296
re0-wc	0.6333	0.0564	0.6333	0.4730	0.3324
re1-wc	0.6687	0.0265	0.6687	0.6075	0.1571
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5849	0.4151	0.5849	-0.0053	0.6880
RT_IOT2022	0.9982	0.0003	0.9982	0.9955	0.0029
satimage	0.8554	0.0482	0.8554	0.8212	0.2068
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9005	0.0995	0.9005	0.0723	0.3655
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.6667	0.3333	0.6667	0.3721	0.5239
schizo	0.3235	0.6765	0.3235	-0.3529	1.0000
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.9820	0.0180	0.9820	0.9636	0.1239
segment	0.9784	0.0062	0.9784	0.9747	0.0305
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.0719	0.5611
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sens-2-gram	0.8526	0.1474	0.8526	0.1148	0.6944
sens-3-gram	0.8526	0.1474	0.8526	0.0937	0.6868
sens-4-gram	0.8530	0.1517	0.8346	-0.0066	0.6656
sensorless	0.9956	0.0008	0.9956	0.9951	0.0092
sepsis	0.9077	0.0923	0.9077	0.0104	0.3429
shoppers	0.8865	0.1135	0.8865	0.5859	0.6119
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9867	0.0133	0.9867	0.8819	0.0504
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9991	0.0067
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7410	0.0863	0.7410	0.6692	0.2541
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9217	0.0783	0.9217	0.8367	0.3758
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7835	0.4068
spectrometer	0.4906	0.0212	0.4906	0.4604	0.1404
splice-EI	0.9653	0.0347	0.9653	0.9099	0.2583
splice-IE	0.9464	0.0536	0.9464	0.8549	0.3500
sport-articles	0.7600	0.2400	0.7600	0.4909	0.7458
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.3246	0.7684
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8861	0.0759	0.8861	0.8159	0.2584
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7128	0.2872	0.7128	0.3113	0.8035
steel-p	0.9436	0.0564	0.9436	0.5324	0.4232
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.6154	0.2564	0.6154	0.3981	0.5877
student-weekend	0.3846	0.2462	0.3846	0.1550	0.6409
student-workday	0.6562	0.1375	0.6562	0.1584	0.4949
susy10%	0.7608	0.2392	0.7608	0.5111	0.7137
swarm_aligned	1.0000	0.0000	0.9975	0.9816	0.0000
swarm_flocking	0.9762	0.0000	0.9985	1.0000	0.0000
swarm_grouped	1.0000	0.0000	0.9990	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8889	0.1111	0.8889	0.6786	0.5467
texture	0.9709	0.0053	0.9709	0.9679	0.0398
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8684	0.1316	0.8684	0.6302	0.5706
titanic	0.7455	0.2545	0.7455	0.4045	0.7851
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6083	0.2070
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.1076	0.9215
trec11-wc	0.9024	0.0217	0.9024	0.8809	0.0926
trec12-wc	0.9032	0.0242	0.9032	0.8838	0.0884

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8752	0.1471
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9318	0.0136	0.9318	0.9155	0.0576
trec45-wc	0.9275	0.0145	0.9275	0.9159	0.0645
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8500	0.0750	0.8500	0.8000	0.1815
tvnews	0.8254	0.1746	0.8254	0.6331	0.6239
urban	0.8209	0.0398	0.8209	0.7890	0.1599
vehicle	0.7738	0.1131	0.7738	0.6975	0.2052
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5152	0.0882	0.5152	0.4667	0.2824
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9112	0.0888	0.9112	0.1184	0.4098
wap-wc	0.4872	0.0513	0.4872	0.4077	0.2238
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9774	0.0064	0.9774	0.9736	0.0247
watch-gyr10%	0.9830	0.0049	0.9830	0.9801	0.0211
waveform	0.7580	0.1613	0.7580	0.6370	0.4662
web-phishing	0.8519	0.0988	0.8519	0.7376	0.4131
weight-lift	0.9924	0.0031	0.9924	0.9903	0.0185
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5975	0.1342	0.5975	0.3509	0.3686
winequality-white	0.4785	0.1490	0.4785	0.1283	0.4620
winnipeg	0.8496	0.0434	0.8354	0.8079	0.0920
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5135	0.0973	0.5135	0.3728	0.4024
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.3410	0.5495
zip	0.8226	0.0355	0.8226	0.8013	0.2173
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 38: Detailed results for Wagging

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1727	0.0571	0.1727	0.0747	0.3785
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9812	0.0188	0.9812	0.2034	0.4579
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8604	0.1396	0.8604	0.5767	0.5759
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9930	0.0070	0.9930	0.1572	0.4873
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9082	0.0459	0.9082	0.8172	0.1635
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.8915	0.0271	0.8915	0.8160	0.2221
anuran-species	0.9514	0.0097	0.9514	0.9320	0.0828
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5377	0.1353
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7351	0.1664
avila	0.6167	0.0639	0.6167	0.4422	0.2502
balance	0.7903	0.1398	0.7903	0.6084	0.4036
bank	0.9109	0.0891	0.9109	0.5740	0.5959
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6288	0.6224
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9713	0.0000	0.9962	0.1533	0.3279
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9483	0.0259	0.9483	0.8923	0.1968
card	0.8116	0.1884	0.8116	0.6223	0.6266
cardiotocography	0.8028	0.0394	0.8028	0.7632	0.2288
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7826	0.2807
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5329	0.4100
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0557	0.5953
cdc_diabetes	0.8440	0.1040	0.8440	0.1588	0.3844
census10%	0.9476	0.0454	0.9320	0.4194	0.3694
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.5249	0.6842
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.6190	0.2540	0.6190	0.2432	0.5503
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7417	0.1292	0.7417	0.6078	0.5282
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5578	0.2948	0.5578	0.3159	0.7051
cnae-9	0.4352	0.1255	0.4352	0.3646	0.2383
codon_usage	0.6055	0.0717	0.6055	0.5122	0.2324
coil20	0.8958	0.0104	0.8958	0.8903	0.0510
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.8387	0.1075	0.8387	0.7430	0.2410
connect-4	0.9836	0.0110	0.9836	0.4588	0.1316
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3729	0.8278
covtype	0.7122	0.0822	0.7122	0.5319	0.3506
covtypeCD	0.9766	0.0234	0.9766	0.9006	0.2376
covtypeT	0.9779	0.0221	0.9779	0.8275	0.3205
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8147	0.0618	0.8147	0.5542	0.2543
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2960	0.1339
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9189	0.0270	0.9189	0.8991	0.0971
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5826	0.2738	0.5665	0.1590	0.5476
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7133	0.1911	0.7133	0.5262	0.5334
drug-01	0.3936	0.1733	0.3936	0.0048	0.4129
drug-02	0.5213	0.1368	0.5213	0.0345	0.3636
drug-03	0.6809	0.0912	0.6809	-0.0049	0.2706
drug-04	0.5319	0.1337	0.5319	0.0258	0.3576
drug-05	0.7234	0.0790	0.7234	-0.0143	0.2970
drug-06	0.3830	0.1763	0.3830	0.2063	0.4966
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5532	0.1277	0.5532	0.0338	0.3177
drug-09	0.8404	0.0456	0.8404	-0.0316	0.3629
drug-10	0.5426	0.1307	0.5426	0.0216	0.3417
drug-11	0.8298	0.0486	0.8298	-0.0259	0.2612
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6064	0.1125	0.6064	0.2816	0.3508
drug-14	0.6064	0.1125	0.6064	0.1819	0.3679
drug-15	0.7660	0.0669	0.7660	0.0664	0.1851
drug-16	0.5745	0.1216	0.5745	0.3363	0.4261
drug-17	0.3191	0.1945	0.3191	-0.0030	0.3978
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9192	0.0231	0.9192	0.9021	0.1277
ecoli	0.8235	0.0441	0.8235	0.7515	0.0998
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1710	0.1036	0.1710	0.0362	0.3945
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.3556	0.5608
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6423	0.5581
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6986	0.1205	0.6986	0.6025	0.2794
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.4431	0.0655	0.4431	0.3232	0.2432
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.4000	0.1500	0.4000	0.2523	0.3085
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.5443	0.0061	0.5489	0.5101	0.5480
forest	0.9038	0.0481	0.9038	0.8672	0.1255
gas	0.7477	0.0841	0.7477	0.6954	0.2126
gastrointestinal	0.6250	0.2500	0.6250	0.4419	0.4401
gender	0.5895	0.2737	0.5895	0.0053	0.3706
gene	0.8959	0.0694	0.8959	0.8327	0.2787
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.7143	0.0952	0.7143	0.6261	0.2567
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3548	0.8301
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2638	0.5793
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8811	0.0198	0.8811	0.8594	0.1166
har70	0.8399	0.0457	0.8399	0.7736	0.1572
harth10%	0.8360	0.0254	0.8465	0.8039	0.2078
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8088	0.2037	0.7957	0.5781	0.5817
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5604	0.4597	0.5591	0.0466	0.5906
higher	0.2143	0.1964	0.2143	0.0994	0.3636
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5237	0.6374
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.5833	0.2778	0.5833	0.2330	0.6477
htru2	0.9777	0.0223	0.9777	0.8596	0.2396
ht-sensor	0.7557	0.1629	0.7557	0.6383	0.3786
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0557
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.3813	0.0476	0.3813	0.3565	0.2477
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
jvowels	0.7430	0.0571	0.7430	0.7090	0.2647
kc1	0.8531	0.1469	0.8531	0.2727	0.6396
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1466
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7337	0.0296	0.7337	0.7028	0.3019
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5064	0.1615	0.5034	0.3210	0.3254
la2s-wc	0.4837	0.1698	0.4930	0.2863	0.3324
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6909	0.0589
led24	0.6500	0.0700	0.6500	0.6056	0.1568
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.3950	0.0465	0.3950	0.3716	0.2976
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5000	0.0667	0.5000	0.4636	0.1948
linkage10%	1.0000	0.0001	1.0000	0.9684	0.0210
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.4984	0.0912	0.4984	0.3387	0.3569
lrs	0.6226	0.0755	0.6226	0.4914	0.1847
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.8190	0.1706
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6907	0.2125
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5472	0.1163
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.6667	0.0741	0.6667	0.5500	0.0853
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7791	0.2209	0.7791	0.4462	0.5424

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5817	0.6807
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7228	0.1848	0.7228	0.5817	0.4804
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8442	0.1259
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.8750	0.0250	0.8750	0.8611	0.1364
mfeat-fou	0.6550	0.0690	0.6550	0.6167	0.2444
mfeat-kar	0.5400	0.0920	0.5400	0.4889	0.2691
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2257
mfeat-pix	0.8450	0.0310	0.8450	0.8278	0.1653
mfeat-zer	0.5600	0.0880	0.5600	0.5111	0.2462
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4647
mobile	0.4536	0.0197	0.4334	0.4340	0.2012
monks-1	0.7273	0.2727	0.7273	0.4562	0.7625
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8882	0.0279	0.8882	0.4578	0.0891
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.3333	0.1481	0.3333	0.2258	0.1401
ncRNA10%	0.9258	0.0092	0.9086	0.7381	0.4377
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9283	0.0717	0.9283	0.8271	0.3910
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0438	0.6509
nursery	0.9915	0.0034	0.9915	0.9876	0.0339
obs	0.8796	0.0602	0.8796	0.8272	0.1270
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9728	0.0350
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.4286	0.1143	0.4286	0.3329	0.2675
oh15-wc	0.4674	0.1065	0.4674	0.3775	0.2515
oh5-wc	0.4945	0.1011	0.4945	0.4098	0.2911
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.8345	0.0331	0.8345	0.8161	0.2070
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.3500	0.0325	0.3500	0.3333	0.2094
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9407	0.0593	0.9407	-0.0293	0.6345
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9598	0.0161	0.9598	0.7609	0.2362

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.7647	0.0672	0.7647	0.7125	0.2073
pendigits	0.9290	0.0142	0.9290	0.9211	0.0891
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.7944	0.2056	0.7944	0.5652	0.6136
phy	0.6274	0.3726	0.6274	0.2526	0.7838
pima	0.7105	0.2895	0.7105	0.3871	0.8164
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6484	0.0703	0.6484	0.3490	0.4117
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.8889	0.0741	0.8889	0.7273	0.1423
postures	0.6111	0.1555	0.6111	0.5126	0.2722
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3333	0.0606	0.3333	0.2508	0.2525
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9103	0.0359	0.9103	0.8782	0.1347
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.4533	0.0841	0.4533	0.1415	0.3284
re1-wc	0.5120	0.0390	0.5120	0.4127	0.1825
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9500	0.0200	0.9500	0.9332	0.0595
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9917	0.0014	0.9917	0.9792	0.0127
satimage	0.8118	0.0627	0.8118	0.7676	0.2389
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.8927	0.1073	0.8927	0.0545	0.5389
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9177	0.0235	0.9177	0.9038	0.0928
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8320	0.1537	0.8669	-0.0066	0.6559
sensorless	0.8725	0.0232	0.8725	0.8597	0.0926
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9732	0.1170
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7554	0.0815	0.7554	0.6850	0.2028
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.3962	0.0252	0.3962	0.3504	0.1779
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7600	0.2400	0.7600	0.4852	0.7487
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8884	0.0744	0.8884	0.8193	0.2479
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.8974	0.1026	0.8974	0.2780	0.6749
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8093	0.4129
studentap	0.3077	0.4615	0.3077	-0.0263	0.7504
student-weekend	0.3692	0.2523	0.3692	0.0509	0.5907
student-workday	0.6875	0.1250	0.6875	0.1715	0.4563
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	0.9889	0.0000	0.9997	0.9866	0.0000
swarm_flocking	0.9945	0.0000	0.9836	1.0000	0.0000
swarm_grouped	0.9845	0.0000	1.0000	0.9771	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.3649
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.8509	0.0271	0.8509	0.8357	0.1382
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.2381	0.1674
tox_171	0.2941	0.3529	0.2941	0.0599	0.5158
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.7317	0.0596	0.7317	0.6637	0.2643
trec12-wc	0.8065	0.0484	0.8065	0.7669	0.1283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5633	0.3084
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.8280	0.0492	0.8280	0.7668	0.1018
trec41-wc	0.6932	0.0614	0.6932	0.6100	0.2499
trec45-wc	0.9275	0.0145	0.9275	0.9156	0.0670
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.6000	0.2000	0.6000	0.4667	0.4363
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.8209	0.0398	0.8209	0.7897	0.1669
vehicle	0.7500	0.1250	0.7500	0.6589	0.2661
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8140	0.1860	0.8140	0.6301	0.5432
vowel	0.4747	0.0955	0.4747	0.4222	0.2493
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8201	0.0514	0.8201	0.7891	0.1612
watch-gyr10%	0.8682	0.0377	0.8682	0.8459	0.1409
waveform	0.6220	0.2520	0.6220	0.4342	0.5354
web-phishing	0.8667	0.0889	0.8667	0.7632	0.3901
weight-lift	0.5055	0.1978	0.5055	0.3310	0.2938
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0611
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.4906	0.1698	0.4906	0.1261	0.3441
winequality-white	0.4458	0.1583	0.4458	0.0101	0.3949
winnipeg	0.8416	0.0447	0.8346	0.7816	0.0920
yale	0.3750	0.0833	0.3750	0.3305	0.1741
yeast	0.4932	0.1014	0.4932	0.3506	0.4187
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.6398	0.0720	0.6398	0.5973	0.2577
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 39: Detailed results for DiscreteAdaBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1487	0.0587	0.1487	0.0664	0.5404
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9787	0.0213	0.9787	0.9107	0.2129
adult	0.8589	0.1411	0.8589	0.5700	0.5762
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8641	0.1359	0.8641	-0.0729	0.6742
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3547	0.8234
AID_602330	0.9427	0.0573	0.9427	0.1258	0.6313
AID604	0.9975	0.0025	0.9975	0.4537	0.0121
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.8000	0.2000	0.8000	0.4737	0.6644
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9935	0.0065	0.9935	0.1679	0.4321
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9760	0.0299
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0513
anuran-species	0.9889	0.0022	0.9889	0.9846	0.0222
aps-failure	0.9903	0.0097	0.9903	0.6431	0.1641
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.7556	0.0376	0.7556	0.6166	0.2646
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8558	0.0240	0.8558	0.8047	0.0677
balance	0.7419	0.1720	0.7419	0.5668	0.4615
bank	0.9116	0.0884	0.9116	0.5755	0.5939
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8548	0.1452	0.8548	0.6629	0.4569
basehock	0.9849	0.0151	0.9849	0.9698	0.1049
bio	0.9967	0.0033	0.9967	0.7841	0.1536
biodeg	0.8952	0.1048	0.8952	0.7789	0.4599
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9867	0.0000	1.0000	0.1512	0.3206
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1601
bub10at310k-hg16-17	0.9111	0.0889	0.9111	0.0584	0.2813
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8406	0.1594	0.8406	0.6774	0.5801
cardiotocography	0.8779	0.0244	0.8779	0.8537	0.1469
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8296	0.2646
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7318	0.3688
cas_N6512_cdk_ECFP2	0.6144	0.3856	0.6144	0.1844	0.7506
cdc_diabetes	0.8432	0.1045	0.8432	0.2301	0.3657
census10%	0.9771	0.0455	0.9375	0.4273	0.3751
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.8580	0.0869
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6923	0.5642
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6824	0.5726
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3929	0.8117
cirrhosis	0.8095	0.1270	0.8095	0.6056	0.2977
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8231	0.0884	0.8231	0.7276	0.3716
climate	0.9444	0.0556	0.9444	0.5424	0.5131
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5714	0.2857	0.5714	0.3236	0.6687
cnae-9	0.9630	0.0082	0.9630	0.9583	0.0414
codon_usage	0.9194	0.0147	0.9194	0.9018	0.1182
coil20	0.9653	0.0035	0.9653	0.9634	0.0242
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.0963	0.9266
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6897	0.3103	0.6897	0.3680	0.6869
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9994	0.0004	0.9994	0.9864	0.0019
cottonmeloidogyne	0.6346	0.3654	0.6346	0.2731	0.7362
coupon	0.7421	0.2579	0.7421	0.4721	0.7661
covtype	0.7329	0.0763	0.7329	0.5655	0.3071
covtypeCD	0.9766	0.0234	0.9766	0.9035	0.2681
covtypeT	0.9779	0.0221	0.9779	0.8263	0.3142
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.9152	0.0283	0.9152	0.8199	0.1807
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3438	0.0328	0.3438	0.3239	0.1146
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7963	0.2037	0.7963	0.5613	0.5391
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8257	0.1743	0.8257	0.3843	0.6297
deposit	0.8978	0.1022	0.8978	0.4372	0.6150
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1579	0.6489
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5695	0.6336
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5850	0.2777	0.5786	0.1562	0.5230
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4167	0.5833	0.4167	-0.2000	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5925	0.4075	0.5925	0.1765	0.9329
dropout	0.7111	0.1926	0.7111	0.5279	0.5555
drug-01	0.4043	0.1702	0.4043	0.0521	0.5020
drug-02	0.5053	0.1413	0.5053	0.1955	0.5891
drug-03	0.6543	0.0988	0.6543	0.0157	0.4061
drug-04	0.5053	0.1413	0.5053	0.1456	0.6328
drug-05	0.7234	0.0790	0.7234	0.0101	0.3229
drug-06	0.3883	0.1748	0.3883	0.2336	0.6255
drug-07	0.3883	0.1748	0.3883	-0.0441	0.4281
drug-08	0.4947	0.1444	0.4947	0.0154	0.5858
drug-09	0.8457	0.0441	0.8457	0.0299	0.3607
drug-10	0.5266	0.1353	0.5266	0.1520	0.6068
drug-11	0.8404	0.0456	0.8404	0.1489	0.3536
drug-12	0.7660	0.0669	0.7660	-0.0327	0.3679
drug-13	0.6277	0.1064	0.6277	0.2558	0.3512
drug-14	0.5585	0.1261	0.5585	0.2139	0.5201
drug-15	0.7500	0.0714	0.7500	0.0823	0.3641
drug-16	0.5745	0.1216	0.5745	0.2924	0.4902
drug-17	0.3085	0.1976	0.3085	0.0722	0.7361
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7287	0.0775	0.7287	0.0216	0.4836
drybean	0.9280	0.0206	0.9280	0.9128	0.1156
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3545	0.0807	0.3545	0.2739	0.5352
eeg-eye	0.6041	0.3959	0.6041	0.1327	0.6046
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.4115	0.8025
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6894	0.4884
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.5689	0.6539
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6164	0.1534	0.6164	0.5078	0.3790
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9176	0.0824	0.9176	0.8346	0.3794
fbis-wc	0.8455	0.0182	0.8455	0.8240	0.0950
fda.atompair_fp	0.6818	0.3182	0.6818	0.1538	0.8802
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6753	0.1527
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5496	0.0059	0.5259	0.5120	0.5512
forest	0.8846	0.0577	0.8846	0.8398	0.1322
gas	0.9942	0.0019	0.9942	0.9930	0.0139
gastrointestinal	0.8125	0.1250	0.8125	0.7055	0.3694
gender	0.5958	0.2695	0.5958	0.0307	0.3566
gene	0.9401	0.0400	0.9401	0.9041	0.1823
german	0.7000	0.3000	0.7000	0.2288	0.7345
gina	0.7983	0.2017	0.7983	0.5947	0.6240
glass	0.8571	0.0476	0.8571	0.7987	0.1263
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8929	0.1071	0.8929	0.7805	0.4593
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.7333	0.1333	0.7333	0.6319	0.2558
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.9643	0.0059	0.9643	0.9578	0.0470
har70	0.8969	0.0295	0.8969	0.8492	0.1438
harth10%	0.8525	0.0248	0.8586	0.7749	0.2125
hayes-roth	0.6875	0.2083	0.6875	0.5152	0.3343
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5762
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5516	0.4484	0.5516	0.0510	0.5891
higher	0.3571	0.1607	0.3571	0.2075	0.2730
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9140	0.0860	0.9140	0.6654	0.4627
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6111	0.2593	0.6111	0.2790	0.5913
htru2	0.9777	0.0223	0.9777	0.8588	0.2314
ht-sensor	0.6897	0.2069	0.6897	0.5423	0.3447
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.0585	0.8104
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9050	0.0073	0.9050	0.9012	0.0825
jm1	0.8044	0.1956	0.8044	0.0459	0.5483
fvowels	0.9849	0.0033	0.9849	0.9829	0.0246
kc1	0.8389	0.1611	0.8389	0.2618	0.7134
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1491
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9266	0.0082	0.9266	0.9180	0.0986
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8921	0.0360	0.8921	0.8633	0.1691
la2s-wc	0.8742	0.0419	0.8742	0.8410	0.2051
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6622	0.0471
led24	0.5500	0.0900	0.5500	0.4958	0.2098
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9610	0.0030	0.9610	0.9594	0.0452
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7912	0.0650
linkage10%	0.9977	0.0001	0.9986	0.9836	0.0210
liver	0.6471	0.3529	0.6471	0.1937	0.8945
localization	0.5520	0.0814	0.5520	0.4092	0.4018
lrs	0.8491	0.0302	0.8491	0.7896	0.1005
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6178	0.1332
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6800	0.1038
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0746
madelon	0.5192	0.4808	0.5192	0.0385	0.9887
magic04	0.7991	0.2009	0.7991	0.5075	0.5492

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7446	0.3750
messidor	0.6522	0.3478	0.6522	0.3294	0.7857
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9850	0.0030	0.9850	0.9833	0.0188
mfeat-fou	0.8450	0.0310	0.8450	0.8278	0.1173
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0437
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.1905
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0381
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1409
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5201	0.3860
mobile	0.8811	0.0042	0.8811	0.8789	0.0533
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9758	0.0242	0.9758	0.9025	0.1472
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9876
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9046
mutagen_class_3	0.4348	0.5652	0.4348	-0.1388	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7017
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.4981	0.7268
MUT_ci300400a	0.6805	0.3195	0.6805	0.3798	0.7718
MUT_ci300400a_cdk_ECFP2	0.6367	0.3633	0.6367	0.1577	0.6446
myocardial	0.9000	0.0250	0.9000	0.5142	0.0861
naticusdroid	0.9703	0.0297	0.9703	0.9407	0.1798
nci9	0.3333	0.1481	0.3333	0.2258	0.1169
ncRNA10%	0.9198	0.0093	0.9304	0.7326	0.4435
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9399	0.0601	0.9399	0.8534	0.3434
NPHA-doctor-visits	0.3889	0.4074	0.3889	-0.0203	0.8183
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.8713	0.0257	0.8713	0.8522	0.1168
oh10-wc	0.7524	0.0495	0.7524	0.7164	0.2343
oh15-wc	0.8152	0.0370	0.8152	0.7895	0.1745
oh5-wc	0.8132	0.0374	0.8132	0.7880	0.1517
opn310k	0.9136	0.0864	0.9136	0.1168	0.3131
opnat310k-hg16-17	0.9125	0.0875	0.9125	0.0939	0.2998
optdigits	0.9751	0.0050	0.9751	0.9723	0.0356
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6000	0.0200	0.6000	0.5897	0.0711
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.2635	0.5646
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9048	0.1118

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8703	0.1297	0.8703	0.6781	0.5609
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.5361	0.4639	0.5361	0.0188	0.9817
pd	0.9342	0.0658	0.9342	0.8214	0.3648
pediatric-leukemia	0.7647	0.0672	0.7647	0.7103	0.2166
pendigits	0.9927	0.0015	0.9927	0.9919	0.0137
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5605	0.6809
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6677	0.5842
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9755	0.0245	0.9755	0.9488	0.1642
phoneme	0.8241	0.1759	0.8241	0.5948	0.6435
phy	0.6296	0.3704	0.6296	0.2570	0.7844
pima	0.7632	0.2368	0.7632	0.4865	0.7232
plx	0.7222	0.2778	0.7222	0.2623	0.8344
poker	0.9486	0.0103	0.9486	0.9071	0.0957
polish-1st	0.9673	0.0327	0.9673	0.3652	0.3830
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0592	0.4351
polish-4th	0.9561	0.0439	0.9561	0.4482	0.4750
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6530	0.3470	0.6530	0.0450	0.5477
popularity	0.6298	0.2468	0.6298	-0.0003	0.3345
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9836	0.0066	0.9836	0.9795	0.0366
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.9134
primary-tumor	0.3636	0.0579	0.3636	0.2972	0.2621
profb	0.7612	0.2388	0.7612	0.4586	0.7576
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9786	0.0085	0.9786	0.9713	0.0436
pufs-6410%	0.5016	0.4984	0.5016	0.0032	0.9979
raisin	0.8667	0.1333	0.8667	0.7333	0.5084
re0-wc	0.8600	0.0215	0.8600	0.8192	0.2118
re1-wc	0.8434	0.0125	0.8434	0.8201	0.0960
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5936	0.4064	0.5936	0.0081	0.5708
RT_IOT2022	0.9989	0.0002	0.9989	0.9973	0.0033
satimage	0.8974	0.0342	0.8974	0.8734	0.1526
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8989	0.1011	0.8989	0.0686	0.4119
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6592	0.3408	0.6592	0.3580	0.5389
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8632	0.1368	0.8632	0.0697	0.5660
sens-2-gram	0.8711	0.1289	0.8711	0.1116	0.4810
sens-3-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-4-gram	0.8579	0.1421	0.8579	-0.0199	0.5487
sensorless	0.9990	0.0002	0.9990	0.9989	0.0024
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8938	0.1062	0.8938	0.6019	0.5948
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9990	0.0081
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7626	0.0791	0.7626	0.6976	0.2358
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9152	0.0848	0.9152	0.8212	0.3865
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5660	0.0181	0.5660	0.5414	0.1184
splice-EI	0.9621	0.0379	0.9621	0.9021	0.2747
splice-IE	0.9621	0.0379	0.9621	0.8980	0.2833
sport-articles	0.8200	0.1800	0.8200	0.6182	0.6401
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7487	0.2513	0.7487	0.0023	0.8206
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8807	0.0795	0.8807	0.8037	0.2465
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6974	0.3026	0.6974	0.2000	0.6803
steel-p	0.9282	0.0718	0.9282	0.4622	0.5763
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3846	0.4103	0.3846	0.0189	0.6140
student-weekend	0.3077	0.2769	0.3077	0.0237	0.7251
student-workday	0.6250	0.1500	0.6250	0.0315	0.3951
susy10%	0.7565	0.2435	0.7565	0.5043	0.7313
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8333	0.1667	0.8333	0.5574	0.6583
texture	0.9873	0.0023	0.9873	0.9860	0.0203
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7234	0.2766	0.7234	-0.1594	0.8201
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8721	0.1279	0.8721	0.6388	0.5569
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1387
tox_171	0.6471	0.1765	0.6471	0.5278	0.2154
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0465	0.9106
trec11-wc	0.9024	0.0217	0.9024	0.8799	0.0798
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9398	0.1157
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0271
trec41-wc	0.9659	0.0068	0.9659	0.9583	0.0355
trec45-wc	0.9420	0.0116	0.9420	0.9324	0.0357
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8000	0.1000	0.8000	0.7333	0.2397
tvnews	0.8321	0.1679	0.8321	0.6332	0.6142
urban	0.8507	0.0332	0.8507	0.8250	0.1417
vehicle	0.7738	0.1131	0.7738	0.6973	0.1977
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.4747	0.0955	0.4747	0.4222	0.2493
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.8654	0.0135	0.8654	0.8492	0.0753
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9048	0.0190	0.9048	0.8937	0.0441
watch-acc10%	0.9416	0.0167	0.9416	0.9317	0.0406
watch-gyr10%	0.9313	0.0196	0.9313	0.9197	0.0407
waveform	0.7560	0.1627	0.7560	0.6342	0.4848
web-phishing	0.8741	0.0840	0.8741	0.7783	0.3642
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0018
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6038	0.1321	0.6038	0.3611	0.4558
winequality-white	0.4826	0.1478	0.4826	0.1001	0.3758
winnipeg	0.9923	0.0022	0.9923	0.9903	0.0217
yale	0.6875	0.0417	0.6875	0.6624	0.0721
yeast	0.5338	0.0932	0.5338	0.3957	0.4095
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.9462	0.0108	0.9462	0.9398	0.0855
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 40: Detailed results for DiscreteAdaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1055	0.0617	0.1055	0.0409	0.4980
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9816	0.0184	0.9816	0.1854	0.4275
ads	0.9787	0.0213	0.9787	0.9107	0.2129
adult	0.8595	0.1405	0.8595	0.5725	0.5755
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.8190	0.1810	0.8190	0.1677	0.6725
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6757	0.3243	0.6757	0.3273	0.8564
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.7500	0.2500	0.7500	0.3750	0.7858
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9936	0.0064	0.9936	0.1717	0.4062
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9761	0.0329
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0737
anuran-species	0.9903	0.0019	0.9903	0.9865	0.0125
aps-failure	0.9901	0.0099	0.9901	0.6332	0.1466
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7556	0.0376	0.7556	0.5969	0.2553
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8668	0.0222	0.8668	0.8245	0.1076
balance	0.7581	0.1613	0.7581	0.5984	0.3591
bank	0.9090	0.0910	0.9090	0.5433	0.6016
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6580	0.4708
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9967	0.0033	0.9967	0.7822	0.1372
biodeg	0.8762	0.1238	0.8762	0.7412	0.5090
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9759	0.0000	1.0000	0.1487	0.3222
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.9117	0.0883	0.9117	0.0709	0.2799
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8116	0.1884	0.8116	0.6152	0.6473
cardiotocography	0.8826	0.0235	0.8826	0.8593	0.1450
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7619	0.3329
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2602
cas_N6512_cdk_ECFP2	0.6129	0.3871	0.6129	0.1814	0.7566
cdc_diabetes	0.8456	0.1029	0.8456	0.2205	0.4035
census10%	0.9568	0.0474	0.9770	0.4193	0.3723
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9998	0.0002	0.9998	0.8637	0.1644
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6716	0.5255
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7368	0.2632	0.7368	0.4189	0.7746
cirrhosis	0.7381	0.1746	0.7381	0.4628	0.3973
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8222	0.0889	0.8222	0.7214	0.3836
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5510	0.2993	0.5510	0.2948	0.7045
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0571
codon_usage	0.8596	0.0255	0.8596	0.8284	0.1829
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0387	0.9534
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.6207	0.3793	0.6207	0.2084	0.9148
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9999	0.0001	0.9999	0.9966	0.0006
cottonmeloidogyne	0.6394	0.3606	0.6394	0.2826	0.7337
coupon	0.7366	0.2634	0.7366	0.4561	0.7710
covtype	0.7303	0.0771	0.7303	0.5579	0.3386
covtypeCD	0.9791	0.0209	0.9791	0.9104	0.2078
covtypeT	0.9795	0.0205	0.9795	0.8380	0.2941
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.9069	0.0310	0.9069	0.8018	0.1962
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.6250	0.0187	0.6250	0.6141	0.0560
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7593	0.2407	0.7593	0.4876	0.6885
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3850	0.6248
deposit	0.8983	0.1017	0.8983	0.4190	0.6038
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2614
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5533	0.5058
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5656	0.2767	0.5693	0.1570	0.5414
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	-0.0286	0.9973
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5906	0.4094	0.5906	0.1751	0.9367
dropout	0.7178	0.1881	0.7178	0.5263	0.5436
drug-01	0.3351	0.1900	0.3351	0.0630	0.7434
drug-02	0.4628	0.1535	0.4628	0.2025	0.7644
drug-03	0.6543	0.0988	0.6543	-0.0188	0.4642
drug-04	0.4840	0.1474	0.4840	0.1467	0.6879
drug-05	0.7128	0.0821	0.7128	-0.0296	0.3387
drug-06	0.4043	0.1702	0.4043	0.2594	0.5761
drug-07	0.3457	0.1869	0.3457	-0.0501	0.5607
drug-08	0.5160	0.1383	0.5160	0.1448	0.7755
drug-09	0.8511	0.0426	0.8511	-0.0204	0.3205
drug-10	0.4894	0.1459	0.4894	0.1271	0.7161
drug-11	0.8404	0.0456	0.8404	0.1310	0.5425
drug-12	0.7660	0.0669	0.7660	-0.0326	0.3484
drug-13	0.5851	0.1185	0.5851	0.2399	0.4880
drug-14	0.5479	0.1292	0.5479	0.2588	0.6812
drug-15	0.7181	0.0805	0.7181	0.1715	0.6866
drug-16	0.5745	0.1216	0.5745	0.3210	0.5028
drug-17	0.2660	0.2097	0.2660	0.0997	0.8166
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7553	0.0699	0.7553	0.0249	0.3789
drybean	0.9317	0.0195	0.9317	0.9173	0.1112
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2318	0.0960	0.2318	0.1804	0.6041
eeg-eye	0.5988	0.4012	0.5988	0.1202	0.6121
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.4115	0.8025
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5402	0.6695
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6059	0.6342
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.5753	0.1699	0.5753	0.4544	0.4242
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9196	0.0804	0.9196	0.8388	0.3735
fbis-wc	0.8537	0.0172	0.8537	0.8333	0.0939
fda.atompair_fp	0.5000	0.5000	0.5000	-0.1980	0.9394
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4937	0.2288
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5263	0.0062	0.5475	0.5152	0.5657
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9957	0.0014	0.9957	0.9948	0.0102
gastrointestinal	0.8125	0.1250	0.8125	0.6981	0.2631
gender	0.5853	0.2765	0.5853	0.0244	0.5034
gene	0.9464	0.0358	0.9464	0.9143	0.1700
german	0.6500	0.3500	0.6500	0.0933	0.8339
gina	0.8156	0.1844	0.8156	0.6297	0.6006
glass	0.8571	0.0476	0.8571	0.8013	0.1361
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3558	0.4888
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9716	0.0047	0.9716	0.9665	0.0289
har70	0.8842	0.0298	0.9169	0.8671	0.1459
harth10%	0.8537	0.0259	0.8578	0.7786	0.2067
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.7059	0.2941	0.7059	0.3511	0.7534
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7983	0.2017	0.7983	0.5960	0.5898
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5522	0.4478	0.5522	0.0522	0.5916
higher	0.3571	0.1607	0.3571	0.2455	0.2958
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.9140	0.0860	0.9140	0.6683	0.4698
hiva	0.9527	0.0473	0.9527	0.0699	0.6111
horse	0.5833	0.2778	0.5833	0.2362	0.6197
htru2	0.9782	0.0218	0.9782	0.8627	0.2293
ht-sensor	0.7366	0.1756	0.7366	0.6067	0.4287
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7119	0.2881	0.7119	0.1995	0.8360
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9217	0.0060	0.9217	0.9186	0.0694
jm1	0.8053	0.1947	0.8053	0.0530	0.5468
fvowels	0.9608	0.0087	0.9608	0.9556	0.0574
kc1	0.8673	0.1327	0.8673	0.3323	0.5598
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1483
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2956	0.7699
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9301	0.0078	0.9301	0.9220	0.1032
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8667	0.0444	0.8667	0.8298	0.1850
la2s-wc	0.8841	0.0386	0.8841	0.8531	0.1938
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6920	0.0520
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9325	0.0052	0.9325	0.9298	0.0761
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8510	0.0577
linkage10%	1.0000	0.0001	1.0000	0.9686	0.0211
liver	0.5882	0.4118	0.5882	0.1408	0.8953
localization	0.4512	0.0998	0.4512	0.3425	0.5520
lrs	0.8679	0.0264	0.8679	0.8158	0.0756
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5385	0.4615	0.5385	0.0769	0.9704
magic04	0.8001	0.1999	0.8001	0.5119	0.5579

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6265	0.6250
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.6609	0.3391	0.6609	0.3271	0.8476
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9800	0.0040	0.9800	0.9778	0.0250
mfeat-fou	0.8050	0.0390	0.8050	0.7833	0.1604
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0444
mfeat-mor	0.6650	0.0670	0.6650	0.6278	0.2120
mfeat-pix	0.9850	0.0030	0.9850	0.9833	0.0188
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1347
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4450	0.4341
mobile	0.9371	0.0022	0.9371	0.9359	0.0297
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9758	0.0242	0.9758	0.9009	0.0868
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7188
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3607	0.8143
MUT_ci300400a	0.6805	0.3195	0.6805	0.3784	0.7781
MUT_ci300400a_cdk_ECFP2	0.6343	0.3657	0.6343	0.1530	0.6608
myocardial	0.8882	0.0279	0.8882	0.4562	0.0922
naticusdroid	0.9673	0.0327	0.9673	0.9345	0.1927
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9265	0.0095	0.8981	0.7307	0.4463
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9562	0.0438	0.9562	0.8917	0.2629
NPHA-doctor-visits	0.4028	0.3981	0.4028	-0.0191	0.8151
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0673
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9208	0.0158	0.9208	0.9093	0.0757
oh10-wc	0.7714	0.0457	0.7714	0.7385	0.2012
oh15-wc	0.8478	0.0304	0.8478	0.8266	0.1455
oh5-wc	0.8571	0.0286	0.8571	0.8384	0.1299
opn310k	0.9125	0.0875	0.9125	0.0789	0.2585
opnat310k-hg16-17	0.9130	0.0870	0.9130	0.0938	0.2724
optdigits	0.9715	0.0057	0.9715	0.9683	0.0404
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8952	0.1439

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8705	0.1295	0.8705	0.6784	0.5605
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	-0.0297	0.6428
pcmac	0.5258	0.4742	0.5258	-0.0140	0.9876
pd	0.8947	0.1053	0.8947	0.7091	0.4943
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1102
pendigits	0.9945	0.0011	0.9945	0.9939	0.0106
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5436	0.6666
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6683	0.5743
P-Glycoprotein_RDkit_AtomPair_FP	0.6000	0.4000	0.6000	0.2079	0.9105
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9837	0.0163	0.9837	0.9656	0.1063
phoneme	0.8333	0.1667	0.8333	0.6140	0.6286
phy	0.6334	0.3666	0.6334	0.2647	0.7845
pima	0.7105	0.2895	0.7105	0.3407	0.7408
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.9136	0.0173	0.9136	0.8437	0.1760
polish-1st	0.9687	0.0313	0.9687	0.4079	0.3749
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9495	0.0505	0.9495	0.0592	0.4351
polish-4th	0.9551	0.0449	0.9551	0.4288	0.4797
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6530	0.3470	0.6530	0.0530	0.6055
popularity	0.6315	0.2456	0.6315	0.0019	0.3100
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9475	0.0210	0.9475	0.9343	0.1024
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9081
primary-tumor	0.3030	0.0634	0.3030	0.2326	0.2678
profb	0.7463	0.2537	0.7463	0.4040	0.7813
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9755	0.0098	0.9755	0.9671	0.0606
pufs-6410%	0.5070	0.4930	0.5070	0.0139	0.9960
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.8600	0.0215	0.8600	0.8176	0.2043
re1-wc	0.8494	0.0120	0.8494	0.8275	0.0945
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0036	0.6174
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0019
satimage	0.8911	0.0363	0.8911	0.8656	0.1664
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9005	0.0995	0.9005	0.0723	0.3655
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6768	0.3232	0.6768	0.3887	0.5365
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-2-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sensorless	0.9990	0.0002	0.9990	0.9989	0.0024
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8913	0.1087	0.8913	0.5141	0.5530
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9991	0.0072
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.7698	0.0767	0.7698	0.7050	0.1992
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9152	0.0848	0.9152	0.8215	0.3892
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5660	0.0181	0.5660	0.5409	0.1120
splice-EI	0.9779	0.0221	0.9779	0.9427	0.1928
splice-IE	0.9621	0.0379	0.9621	0.8980	0.2833
sport-articles	0.8200	0.1800	0.8200	0.6182	0.6401
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7744	0.2256	0.7744	0.0479	0.7204
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8893	0.0738	0.8893	0.8206	0.2506
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7231	0.2769	0.7231	0.2708	0.5995
steel-p	0.9282	0.0718	0.9282	0.3829	0.5270
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.6154	0.2564	0.6154	0.3981	0.4649
student-weekend	0.3846	0.2462	0.3846	0.1396	0.6907
student-workday	0.7188	0.1125	0.7188	0.2421	0.3422
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4609
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9873	0.0023	0.9873	0.9860	0.0196
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8758	0.1242	0.8758	0.6489	0.5450
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	-0.2016	0.9292
trec11-wc	0.9024	0.0217	0.9024	0.8806	0.0762
trec12-wc	0.9032	0.0242	0.9032	0.8833	0.0540

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8500	0.0750	0.8500	0.8000	0.2121
tvnews	0.8334	0.1666	0.8334	0.6363	0.6113
urban	0.8657	0.0299	0.8657	0.8426	0.1186
vehicle	0.7619	0.1190	0.7619	0.6809	0.2172
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.7172	0.0514	0.7172	0.6889	0.1638
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.8077	0.0192	0.8077	0.7841	0.1401
warpar10p	0.8462	0.0308	0.8462	0.8255	0.0600
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9950	0.0014	0.9950	0.9941	0.0110
watch-gyr10%	0.9885	0.0033	0.9885	0.9866	0.0203
waveform	0.7400	0.1733	0.7400	0.6100	0.5109
web-phishing	0.8593	0.0938	0.8593	0.7504	0.3891
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.4054	0.3808
winequality-white	0.4581	0.1548	0.4581	0.2440	0.5616
winnipeg	0.9829	0.0022	1.0000	1.0000	0.0221
yale	0.8125	0.0250	0.8125	0.7992	0.0481
yeast	0.5068	0.0986	0.5068	0.3603	0.4198
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9581	0.0084	0.9581	0.9530	0.0693
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 41: Detailed results for RealAdaBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1679	0.0574	0.1679	0.0781	0.4234
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9634	0.0366	0.9634	0.8395	0.2634
adult	0.8458	0.1542	0.8458	0.4767	0.4849
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7143	0.2857	0.7143	-0.0051	0.8465
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1618	0.8952
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9966	0.0034	0.9966	0.0570	0.0159
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.3000	0.7000	0.3000	0.0000	0.4809
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.8182	0.1212	0.8182	-0.0761	0.4123
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0989	0.2402
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8308	0.1692	0.8308	0.5731	0.6441
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9523	0.0776
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.4729	0.2636	0.4729	0.2063	0.2647
anuran-f-b	0.9930	0.0070	0.9930	0.5420	0.4659
anuran-genus	0.9040	0.0240	0.9040	0.8378	0.2271
anuran-species	0.9125	0.0175	0.9125	0.8775	0.1413
aps-failure	0.9850	0.0150	0.9850	0.3247	0.2012
arcene	0.7000	0.3000	0.7000	0.4231	0.7161
arrhythmia	0.7111	0.0444	0.7111	0.4628	0.1687
auction	0.9559	0.0441	0.9559	0.7839	0.3041
audiology	0.6522	0.0290	0.6522	0.5751	0.1325
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6500	0.1167	0.6500	0.5139	0.2098
avila	0.7365	0.0439	0.7365	0.6320	0.2316
balance	0.8226	0.1183	0.8226	0.6657	0.3123
bank	0.8956	0.1044	0.8956	0.4212	0.6351
banknote	0.9051	0.0949	0.9051	0.8101	0.4017

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.6313	0.3687	0.6313	0.3118	0.7430
basehock	0.6884	0.3116	0.6884	0.3749	0.4920
bio	0.9960	0.0040	0.9960	0.7311	0.2177
biodeg	0.7048	0.2952	0.7048	0.4109	0.7766
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	0.9874	0.0000	0.9935	0.1539	0.3355
block10%	0.9999	0.0001	0.9999	0.9904	0.0212
block10%	0.9999	0.0001	0.9999	0.9904	0.0212
breast-cancer	0.7143	0.2857	0.7143	0.1765	0.8228
breast-cancer-co	0.6364	0.3636	0.6364	0.2143	0.5000
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.5455	0.1515	0.5455	0.4500	0.2451
bridges	0.6000	0.1143	0.6000	0.2593	0.2276
bub10at310k-hg16-17	0.9134	0.0866	0.9134	0.1342	0.3624
bze_3d_rdkit_descriptors	0.6829	0.3171	0.6829	0.0362	0.8765
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9420	0.0580	0.9420	0.8770	0.2846
car	0.8966	0.0517	0.8966	0.7865	0.2887
card	0.8406	0.1594	0.8406	0.6804	0.5638
cardiotocography	0.7512	0.0498	0.7512	0.6938	0.2027
cardiotocography-nsp	0.9014	0.0657	0.9014	0.7178	0.3623
cargo2k	0.9898	0.0068	0.9898	0.9848	0.0347
cars	0.6250	0.2500	0.6250	0.2602	0.6534
cas_N6512_cdk_ECFP2	0.5760	0.4240	0.5760	0.0988	0.7868
cdc_diabetes	0.8430	0.1047	0.8430	0.0367	0.2323
census10%	0.9456	0.0462	0.9506	0.4290	0.3722
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.8605	0.1395	0.8605	0.6854	0.4765
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9996	0.0004	0.9996	0.8116	0.3690
ci100410h_MACCS	0.7500	0.2500	0.7500	-0.0579	0.7500
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.3689	0.5929
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6888	0.5682
ci200186m_ExtendedFingerprinter	0.7818	0.2182	0.7818	0.4844	0.6299
ci900367j_MACCS	0.6737	0.3263	0.6737	0.1982	0.7140
cirrhosis	0.4286	0.3810	0.4286	0.0632	0.3177
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7093	0.1454	0.7093	0.5457	0.4397
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5000	0.3333	0.5000	0.0526	0.5456
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5170	0.3220	0.5170	0.2200	0.6775
cnae-9	0.6759	0.0720	0.6759	0.6354	0.1918
codon_usage	0.5134	0.0885	0.5134	0.4306	0.3810
coil20	0.8681	0.0132	0.8681	0.8611	0.0761
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.3448	0.6552	0.3448	0.0000	0.5054
colposcopies-2	0.3448	0.6552	0.3448	-0.0699	0.7384
colposcopies-3	0.4138	0.5862	0.4138	0.0000	0.5266
colposcopies-4	0.3103	0.6897	0.3103	-0.0662	0.7516

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.4828	0.5172	0.4828	-0.0046	0.7698
colposcopies-c	0.2414	0.7586	0.2414	0.0000	0.4342
column-2c	0.8065	0.1935	0.8065	0.6173	0.4882
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9819	0.0120	0.9819	0.3600	0.0353
cottonmeloidogyne	0.5817	0.4183	0.5817	0.1582	0.7934
coupon	0.5726	0.4274	0.5726	0.0727	0.9198
covtype	0.6507	0.0998	0.6507	0.4082	0.3620
covtypeCD	0.9528	0.0472	0.9528	0.7786	0.2844
covtypeT	0.9462	0.0538	0.9462	0.3965	0.3042
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8295	0.0568	0.8295	0.6262	0.2627
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.0625	0.0469	0.0625	0.0332	0.2362
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.4259	0.5741	0.4259	0.0000	0.5284
darwin	0.7778	0.2222	0.7778	0.5556	0.4472
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8217	0.1783	0.8217	0.3709	0.6446
deposit	0.7523	0.2477	0.7523	0.1839	0.6669
dermatology	0.9189	0.0270	0.9189	0.8989	0.0903
desharnais	0.6250	0.2500	0.6250	0.3333	0.3577
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.4605	0.5395	0.4605	0.0523	0.7923
diabetes	0.8269	0.1731	0.8269	0.6087	0.5078
diabetic10%	0.5652	0.2801	0.5839	0.1592	0.5426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.4167	0.5833	0.4167	0.0000	0.5271
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5241	0.4759	0.5241	0.0001	0.7619
dropout	0.6072	0.2619	0.6072	0.3700	0.5331
drug-01	0.4096	0.1687	0.4096	0.0386	0.3822
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5053	0.1413	0.5053	-0.0011	0.4515
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3564	0.1839	0.3564	0.1814	0.5792
drug-07	0.3989	0.1717	0.3989	-0.0237	0.3673
drug-08	0.5691	0.1231	0.5691	0.1626	0.3833
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5957	0.1155	0.5957	0.1749	0.3406
drug-14	0.5426	0.1307	0.5426	0.1267	0.3633
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5213	0.1368	0.5213	0.0124	0.3092
drug-17	0.3298	0.1915	0.3298	0.0719	0.4716
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	-0.0077	0.2153
drybean	0.8949	0.0300	0.8949	0.8730	0.1604
ecoli	0.8235	0.0441	0.8235	0.7521	0.1392
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2274	0.0966	0.2274	0.1433	0.6324
eeg-eye	0.5514	0.4486	0.5514	0.0144	0.7492
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.4872	0.5128	0.4872	0.1333	0.5288
er_tox_cdk_ECFP2	0.5000	0.5000	0.5000	0.1736	0.5263
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.5104	0.2015
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.7258	0.2742	0.7258	0.4151	0.4644
er_tox_rdkit_LAYERED	0.8226	0.1774	0.8226	-0.0302	0.6241
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.8871	0.1129	0.8871	0.7222	0.4693
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.4793	0.7287
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.5753	0.1699	0.5753	0.4485	0.3838
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	0.5220	0.4780	0.5220	-0.0083	0.6447
fbis-wc	0.6504	0.0411	0.6504	0.6114	0.2448
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4000	0.1500	0.4000	0.2258	0.3046
fontaine_MACCS	0.7273	0.2727	0.7273	0.3774	0.7886
fonts10%	0.4506	0.0072	0.4506	0.4153	0.3099
forest	0.8269	0.0865	0.8269	0.7624	0.2509
gas	0.8577	0.0474	0.8577	0.8277	0.2033
gastrointestinal	0.5000	0.3333	0.5000	0.0000	0.3718
gender	0.5537	0.2975	0.5537	0.0434	0.6285
gene	0.9085	0.0610	0.9085	0.8543	0.2514
german	0.6400	0.3600	0.6400	0.0137	0.7500
gina	0.6686	0.3314	0.6686	0.3344	0.8443
glass	0.6667	0.1111	0.6667	0.4983	0.2094
glassBWFP	0.8095	0.1905	0.8095	0.6147	0.6219
glassBWNFP	0.7143	0.2857	0.7143	0.4000	0.7846
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.4000	0.3000	0.4000	0.1176	0.2192
glioma-grade	0.7381	0.2619	0.7381	0.4133	0.5561
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.2667	0.3667	0.2667	-0.0645	0.6087
haberman	0.7333	0.2667	0.7333	0.1045	0.7293
hapt	0.7731	0.0378	0.7731	0.7321	0.1319
har70	0.7796	0.0630	0.7796	0.6407	0.1302
harth10%	0.8582	0.0249	0.8277	0.7826	0.2096
hayes-roth	0.5625	0.2917	0.5625	0.3043	0.4143
hcc-survival	0.4706	0.5294	0.4706	-0.0699	1.0000
heart	0.7407	0.2593	0.7407	0.4220	0.6660
heart-c	0.7667	0.2333	0.7667	0.5205	0.6223
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7315	0.2685	0.7315	0.4641	0.6892
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.7500	0.2500	0.7500	0.3750	0.7858
higgs10%	0.4707	0.5293	0.4707	0.0001	0.5501
higher	0.2143	0.1964	0.2143	0.0065	0.3503
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8145	0.1855	0.8145	0.3488	0.7421
hiva	0.9433	0.0567	0.9433	0.0484	0.6305
horse	0.6667	0.2222	0.6667	0.3656	0.4294
htru2	0.9721	0.0279	0.9721	0.8245	0.2957
ht-sensor	0.5542	0.2972	0.5542	0.3122	0.5857
hypothyroid	0.9867	0.0066	0.9867	0.9151	0.0205
hypothyroidT	0.9920	0.0080	0.9920	0.9431	0.1266
ilpd	0.6271	0.3729	0.6271	0.2027	0.8474
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9143	0.0857	0.9143	0.7853	0.2404
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7779	0.0171	0.7779	0.7690	0.1747
jm1	0.8118	0.1882	0.8118	0.1684	0.6460
fvowels	0.7841	0.0480	0.7841	0.7549	0.2707
kc1	0.7915	0.2085	0.7915	0.2097	0.7765
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.0000	0.1526
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.2394	0.7582
kidney-disease	0.9000	0.1000	0.9000	0.7867	0.4462
krkopt	0.6449	0.0395	0.6449	0.6025	0.3523
krvskp	0.9843	0.0157	0.9843	0.9686	0.1069
la1s-wc	0.5460	0.1513	0.5460	0.4506	0.4580
la2s-wc	0.3742	0.2086	0.3742	0.2786	0.4532
labor	0.6667	0.3333	0.6667	0.2500	0.8750
leaf	0.3529	0.0324	0.3529	0.3327	0.1090
led24	0.6500	0.0700	0.6500	0.6045	0.1540
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8090	0.0147	0.8090	0.8013	0.1979
leukemia	0.7143	0.1905	0.7143	0.5758	0.3077
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.2500	0.1000	0.2500	0.1960	0.2851
linkage10%	0.9990	0.0001	1.0000	1.0000	0.0208
liver	0.5294	0.4706	0.5294	0.2206	0.5254
localization	0.4686	0.0966	0.4686	0.2768	0.3920
lrs	0.7547	0.0491	0.7547	0.6548	0.1774
lsvt	0.6154	0.3846	0.6154	0.2529	0.7912
lung	0.7143	0.1143	0.7143	0.2075	0.2229
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.7500	0.1000	0.7500	0.4048	0.2661
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.5000	0.1429	0.5000	0.3846	0.2018
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.5882	0.2627
lymphoma2	0.4444	0.1235	0.4444	0.1176	0.2247
madelon	0.5077	0.4923	0.5077	0.0154	0.7845
magic04	0.6860	0.3140	0.6860	0.3892	0.7417

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6662	0.5966
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6238	0.2508	0.6238	0.4211	0.5344
messidor	0.5739	0.4261	0.5739	0.1063	0.9484
meter-A	0.5000	0.5000	0.5000	0.1579	0.5288
meter-B	0.7778	0.1481	0.7778	0.6727	0.2872
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.7222	0.1389	0.7222	0.6137	0.3046
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.0906
mfeat-fou	0.6900	0.0620	0.6900	0.6556	0.2502
mfeat-kar	0.7850	0.0430	0.7850	0.7611	0.2265
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2112
mfeat-pix	0.8850	0.0230	0.8850	0.8722	0.1270
mfeat-zer	0.6650	0.0670	0.6650	0.6278	0.2902
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.5000	0.2000	0.5000	0.3676	0.3387
mobile	0.7832	0.0077	0.7832	0.7793	0.0982
monks-1	0.8000	0.2000	0.8000	0.5969	0.4280
monks-2	0.8033	0.1967	0.8033	0.5326	0.6395
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	0.9951	0.0049	0.9951	0.9901	0.0365
musk	0.8985	0.1015	0.8985	0.5214	0.4663
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9838
mutagen_class_2	0.4559	0.5441	0.4559	-0.0882	0.8662
mutagen_class_3	0.4928	0.5072	0.4928	0.0000	0.5292
mutagens_ExtendedFingerprinter	0.5294	0.4706	0.5294	0.0588	0.9318
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.2815	0.7957
MUT_ci300400a	0.4637	0.5363	0.4637	0.0452	0.6974
MUT_ci300400a_cdk_ECFP2	0.6079	0.3921	0.6079	0.2604	0.7907
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9294	0.0706	0.9294	0.8589	0.3122
nci9	0.3333	0.1481	0.3333	0.2941	0.2083
ncRNA10%	0.9288	0.0093	0.9262	0.7616	0.4450
newspop	0.5414	0.4586	0.5414	0.0333	0.8151
new-thyroid	0.9048	0.0635	0.9048	0.7586	0.1376
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9060	0.0940	0.9060	0.7608	0.4290
NPHA-doctor-visits	0.3611	0.4259	0.3611	-0.0736	0.6433
nursery	0.9792	0.0083	0.9792	0.9695	0.0510
obs	0.7963	0.1019	0.7963	0.6817	0.1642
occupancy	0.9898	0.0102	0.9898	0.9716	0.1181
Occupancy_Estimation	0.9852	0.0074	0.9852	0.9548	0.0539
oh0-wc	0.7822	0.0436	0.7822	0.7466	0.1520
oh10-wc	0.5905	0.0819	0.5905	0.5320	0.2310
oh15-wc	0.6522	0.0696	0.6522	0.5960	0.2842
oh5-wc	0.6264	0.0747	0.6264	0.5745	0.2501
opn310k	0.9133	0.0867	0.9133	0.1060	0.2982
opnat310k-hg16-17	0.9124	0.0876	0.9124	0.1151	0.3559
optdigits	0.8950	0.0210	0.8950	0.8833	0.1416
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.1000	0.0450	0.1000	0.0769	0.2222
orlraws10P	0.5000	0.1000	0.5000	0.4444	0.1596
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9289	0.0711	0.9289	0.0932	0.1761
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8288	0.0679

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.7623	0.2377	0.7623	0.2509	0.6196
pasture	0.7500	0.1667	0.7500	0.6000	0.1321
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.4794	0.5206	0.4794	0.0566	0.8234
pd	0.6447	0.3553	0.6447	0.3250	0.6485
pediatric-leukemia	0.7059	0.0840	0.7059	0.6352	0.2356
pendigits	0.9299	0.0140	0.9299	0.9221	0.0974
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.6959	0.3041	0.6959	0.2660	0.8390
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.5873	0.4127	0.5873	0.1308	0.7020
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5192	0.4786
Pgp_desc	0.6000	0.4000	0.6000	0.2000	0.9053
phishing	0.9265	0.0735	0.9265	0.8453	0.3560
phoneme	0.7907	0.2093	0.7907	0.4857	0.7254
phy	0.5116	0.4884	0.5116	0.0280	0.7036
pima	0.6974	0.3026	0.6974	0.3399	0.8243
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.5935	0.0813	0.5935	0.2579	0.2507
polish-1st	0.9474	0.0526	0.9474	0.1862	0.6222
polish-2nd	0.9587	0.0413	0.9587	0.0386	0.3754
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9408	0.0592	0.9408	0.1482	0.5666
polish-5th	0.9255	0.0745	0.9255	0.4101	0.6230
polya	0.6530	0.3470	0.6530	0.0562	0.6244
popularity	0.6257	0.2495	0.6257	0.0015	0.4269
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.7045	0.1182	0.7045	0.6297	0.3301
pred-tox_mutagen_ref-desc	0.5441	0.4559	0.5441	0.0882	0.9248
primary-tumor	0.3030	0.0634	0.3030	0.2349	0.2493
profb	0.6567	0.3433	0.6567	0.0302	0.8045
promoters	0.7000	0.3000	0.7000	0.4444	0.5112
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.7753	0.0899	0.7753	0.6990	0.2569
pufs-6410%	0.5002	0.4998	0.5002	0.0003	0.9998
raisin	0.9333	0.0667	0.9333	0.8667	0.3271
re0-wc	0.5667	0.0667	0.5667	0.4465	0.3603
re1-wc	0.7651	0.0188	0.7651	0.7237	0.1485
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	0.9875	0.0050	0.9875	0.9834	0.0178
rocket	0.5864	0.4136	0.5864	-0.0076	0.6325
RT_IOT2022	0.9958	0.0007	0.9958	0.9894	0.0075
satimage	0.7869	0.0710	0.7869	0.7413	0.2444
satimageF	0.9860	0.0140	0.9860	0.9301	0.2271
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.7143	0.0816	0.7143	0.5882	0.1060
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4706	0.5294	0.4706	-0.0588	0.9191
secom	0.9231	0.0769	0.9231	0.1103	0.6287
secondary_mushroom	0.7411	0.2589	0.7411	0.4508	0.6216
segment	0.9264	0.0210	0.9264	0.9140	0.0914
segmentO	0.9913	0.0087	0.9913	0.9647	0.0385

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9748	0.0252	0.9748	0.8528	0.2322
sens-1-gram	0.8447	0.1553	0.8447	0.0781	0.7235
sens-2-gram	0.8632	0.1368	0.8632	0.0697	0.5660
sens-3-gram	0.8289	0.1711	0.8289	0.0291	0.7666
sens-4-gram	0.7974	0.2026	0.7974	0.0400	0.7852
sensorless	0.8217	0.0324	0.8217	0.8039	0.1393
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8913	0.1087	0.8913	0.5831	0.6008
shuttle	0.9990	0.0003	0.9990	0.9971	0.0149
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.9830	0.0170	0.9830	0.9471	0.1003
smk_can_187	0.5789	0.4211	0.5789	0.1828	0.7904
solar-flare	0.7698	0.0767	0.7698	0.7032	0.1833
sonar	0.5500	0.4500	0.5500	0.1000	0.9473
soybean	0.8971	0.0108	0.8971	0.8872	0.0583
spambase	0.8022	0.1978	0.8022	0.6117	0.5736
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.4151	0.0244	0.4151	0.3758	0.2038
splice-EI	0.9685	0.0315	0.9685	0.9171	0.2344
splice-IE	0.9274	0.0726	0.9274	0.8054	0.4226
sport-articles	0.7800	0.2200	0.7800	0.5173	0.7127
squash-stored	0.6000	0.2667	0.6000	0.3333	0.3447
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8000	0.2000	0.8000	0.0749	0.3544
steel-d	0.9692	0.0308	0.9692	0.3849	0.5335
steel_industry	0.8781	0.0812	0.8781	0.8003	0.2644
steel-k	0.9692	0.0308	0.9692	0.9001	0.1086
steel-o	0.6051	0.3949	0.6051	0.2765	0.7348
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9744	0.0256	0.9744	0.8507	0.2860
studentap	0.5385	0.3077	0.5385	0.2500	0.4742
student-weekend	0.3538	0.2585	0.3538	0.0527	0.6354
student-workday	0.7031	0.1187	0.7031	0.0515	0.2877
susy10%	0.6060	0.3940	0.6060	0.2441	0.7673
swarm_aligned	0.9925	0.0075	0.9925	0.9826	0.0759
swarm_flocking	0.9263	0.0737	0.9263	0.8526	0.3024
swarm_grouped	0.9992	0.0008	0.9992	0.9982	0.0109
tae	0.4000	0.4000	0.4000	0.1000	0.7078
Tdp_desc	0.4167	0.5833	0.4167	-0.0107	0.7314
texture	0.8545	0.0264	0.8545	0.8394	0.1441
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.7579	0.2421	0.7579	0.4622	0.7585
tis	0.7502	0.2498	0.7502	0.0135	0.5335
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.3143	0.2130
tox_171	0.5882	0.2059	0.5882	0.4360	0.3717
toxicity	0.3529	0.6471	0.3529	0.0000	0.5089
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	-0.1165	0.8781
trec11-wc	0.7561	0.0542	0.7561	0.6863	0.2202
trec12-wc	0.7419	0.0645	0.7419	0.6881	0.1648

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.4848	0.1717	0.4848	0.2686	0.1904
trec23-wc	0.9048	0.0317	0.9048	0.8600	0.0651
trec31-wc	0.8817	0.0338	0.8817	0.8420	0.1313
trec41-wc	0.9091	0.0182	0.9091	0.8887	0.0787
trec45-wc	0.8116	0.0377	0.8116	0.7806	0.1265
tuandromd	0.9686	0.0314	0.9686	0.9049	0.2690
turkish	0.6750	0.1625	0.6750	0.5667	0.3971
tvnews	0.4555	0.5445	0.4555	0.0887	0.6788
urban	0.8358	0.0365	0.8358	0.8078	0.1503
vehicle	0.6429	0.1786	0.6429	0.5276	0.3854
vehicleVAN	0.9048	0.0952	0.9048	0.7746	0.4230
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5354	0.0845	0.5354	0.4889	0.2442
vowelZ	0.8990	0.1010	0.8990	-0.0185	0.5421
vrnormat310k-hg16-17	0.9087	0.0913	0.9087	0.0027	0.2547
wap-wc	0.6474	0.0353	0.6474	0.5932	0.1939
warpar10p	0.2308	0.1538	0.2308	0.1447	0.2847
warppie10p	0.6190	0.0762	0.6190	0.5758	0.1433
watch-acc10%	0.8512	0.0425	0.8512	0.8259	0.1478
watch-gyr10%	0.8747	0.0358	0.8747	0.8537	0.1138
waveform	0.6480	0.2347	0.6480	0.4728	0.5500
web-phishing	0.8074	0.1284	0.8074	0.6502	0.4403
weight-lift	0.6125	0.1550	0.6125	0.5160	0.4328
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0637
wilt	0.9752	0.0248	0.9752	0.7261	0.4016
wine	0.8235	0.1176	0.8235	0.7213	0.3259
winequality-red	0.5597	0.1468	0.5597	0.2664	0.3696
winequality-white	0.4008	0.1712	0.4008	0.1063	0.4563
winnipeg	0.7381	0.0748	0.7381	0.6797	0.2166
yale	0.1250	0.1167	0.1250	0.0667	0.2612
yeast	0.5405	0.0919	0.5405	0.3916	0.3157
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.8226	0.0355	0.8226	0.8011	0.1817
zoo	0.9000	0.0286	0.9000	0.8701	0.0000



Table 42: Detailed results for RealAdaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1319	0.0599	0.1319	0.0517	0.5727
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9604	0.0396	0.9604	0.8245	0.2725
adult	0.8471	0.1529	0.8471	0.4794	0.4719
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7048	0.2952	0.7048	0.0617	0.8243
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6757	0.3243	0.6757	0.3412	0.8452
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9960	0.0040	0.9960	-0.0007	0.3582
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.3000	0.7000	0.3000	0.0000	0.4809
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9938	0.0062	0.9938	0.0962	0.3002
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.8651	0.0675	0.8651	0.7461	0.2279
anuran-f-b	0.9930	0.0070	0.9930	0.2840	0.0285
anuran-genus	0.9263	0.0184	0.9263	0.8775	0.2216
anuran-species	0.9486	0.0103	0.9486	0.9282	0.0932
aps-failure	0.9870	0.0130	0.9870	0.4763	0.2364
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6889	0.0479	0.6889	0.5435	0.2195
auction	0.9706	0.0294	0.9706	0.8533	0.0980
audiology	0.7391	0.0217	0.7391	0.6974	0.0662
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.7000	0.1000	0.7000	0.5862	0.1933
avila	0.7690	0.0385	0.7690	0.6979	0.3117
balance	0.8065	0.1290	0.8065	0.6378	0.3752
bank	0.9070	0.0930	0.9070	0.4695	0.5884
banknote	0.8905	0.1095	0.8905	0.7787	0.4618

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.6359	0.3641	0.6359	0.3315	0.6893
basehock	0.7186	0.2814	0.7186	0.4356	0.4796
bio	0.9961	0.0039	0.9961	0.7402	0.2034
biodeg	0.8762	0.1238	0.8762	0.7284	0.4649
biomed	0.9048	0.0952	0.9048	0.7879	0.2720
bitcoin10%	0.9902	0.0000	1.0000	0.1536	0.3253
block10%	0.9999	0.0001	0.9999	0.9904	0.0212
block10%	0.9999	0.0001	0.9999	0.9904	0.0212
breast-cancer	0.6429	0.3571	0.6429	0.1250	0.8994
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.0723
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9135	0.0865	0.9135	0.1051	0.2852
bze_3d_rdkit_descriptors	0.7073	0.2927	0.7073	0.4225	0.5288
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9855	0.0145	0.9855	0.9684	0.1146
car	0.9023	0.0489	0.9023	0.7878	0.1740
card	0.8406	0.1594	0.8406	0.6804	0.5638
cardiotocography	0.7700	0.0460	0.7700	0.7276	0.3153
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7810	0.3420
cargo2k	0.9975	0.0017	0.9975	0.9962	0.0099
cars	0.8000	0.1333	0.8000	0.6117	0.4317
cas_N6512_cdk_ECFP2	0.5177	0.4823	0.5177	0.0860	0.7846
cdc_diabetes	0.8441	0.1039	0.8441	0.0396	0.2166
census10%	0.9391	0.0471	0.9588	0.4318	0.3724
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.6446	0.5283
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.7674	0.2326	0.7674	0.4459	0.5952
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9997	0.0003	0.9997	0.8326	0.0716
ci100410h_MACCS	0.7500	0.2500	0.7500	-0.0579	0.7500
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.3840	0.6710
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.7818	0.2182	0.7818	0.4844	0.6299
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2404	0.5802
cirrhosis	0.4048	0.3968	0.4048	-0.0057	0.4514
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7528	0.1236	0.7528	0.6000	0.4045
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.4167	0.3889	0.4167	-0.0769	0.5868
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5034	0.3311	0.5034	0.1815	0.6747
cnae-9	0.9074	0.0206	0.9074	0.8958	0.0882
codon_usage	0.5088	0.0893	0.5088	0.3877	0.3615
coil20	0.8056	0.0194	0.8056	0.7954	0.1117
collins	0.6800	0.0427	0.6800	0.6432	0.1449
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.3448	0.6552	0.3448	0.0000	0.5054
colposcopies-2	0.3448	0.6552	0.3448	-0.0699	0.7384
colposcopies-3	0.4138	0.5862	0.4138	0.0000	0.5266
colposcopies-4	0.3103	0.6897	0.3103	-0.1197	0.8096

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.5172	0.4828	0.5172	0.0602	0.7586
colposcopies-c	0.2414	0.7586	0.2414	0.0000	0.4342
column-2c	0.7742	0.2258	0.7742	0.5210	0.6984
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9833	0.0112	0.9833	0.4161	0.0338
cottonmeloidogyne	0.5865	0.4135	0.5865	0.1679	0.7843
coupon	0.6254	0.3746	0.6254	0.2068	0.8937
covtype	0.6957	0.0869	0.6957	0.4984	0.4206
covtypeCD	0.9622	0.0378	0.9622	0.8404	0.3399
covtypeT	0.9496	0.0504	0.9496	0.4627	0.3241
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.1306	0.8230
crowdsourced	0.8267	0.0578	0.8267	0.6105	0.3578
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.0938	0.0453	0.0938	0.0711	0.1902
cyclopentane	0.7407	0.2593	0.7407	0.4522	0.6597
cylinder-bands	0.4259	0.5741	0.4259	0.0000	0.5284
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7897	0.2103	0.7897	0.1289	0.5733
deposit	0.8717	0.1283	0.8717	0.3603	0.6889
dermatology	0.9730	0.0090	0.9730	0.9661	0.0256
desharnais	0.7500	0.1667	0.7500	0.5152	0.3319
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.6711	0.3289	0.6711	0.3734	0.7368
diabetes	0.8654	0.1346	0.8654	0.7016	0.4529
diabetic10%	0.5761	0.2751	0.5709	0.1572	0.5284
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4167	0.5833	0.4167	0.0000	0.5271
dlbcl-stanford	0.6000	0.4000	0.6000	0.2857	0.5283
dota2	0.5281	0.4719	0.5281	0.0077	0.7365
dropout	0.6366	0.2423	0.6366	0.4031	0.5644
drug-01	0.3883	0.1748	0.3883	0.0321	0.6212
drug-02	0.5160	0.1383	0.5160	0.0371	0.3792
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5160	0.1383	0.5160	0.0325	0.5887
drug-05	0.7287	0.0775	0.7287	-0.0081	0.2227
drug-06	0.3617	0.1824	0.3617	0.1958	0.6611
drug-07	0.4309	0.1626	0.4309	0.0159	0.3400
drug-08	0.5213	0.1368	0.5213	0.0669	0.6018
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0527	0.4258
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6117	0.1109	0.6117	0.1973	0.3471
drug-14	0.6170	0.1094	0.6170	0.2209	0.3959
drug-15	0.7606	0.0684	0.7606	0.0149	0.1831
drug-16	0.5691	0.1231	0.5691	0.2301	0.3812
drug-17	0.3404	0.1885	0.3404	0.0964	0.5636
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9060	0.0269	0.9060	0.8862	0.1394
ecoli	0.7353	0.0662	0.7353	0.6062	0.1255
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2365	0.0954	0.2365	0.1470	0.6499
eeg-eye	0.5621	0.4379	0.5621	0.1182	0.9581
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.3846	0.6154	0.3846	0.0000	0.5200
er_tox_cdk_ECFP2	0.5667	0.4333	0.5667	0.2593	0.5303
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.5104	0.2015
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.7258	0.2742	0.7258	0.4151	0.4644
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.1193	0.5910
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8388	0.1996
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.4818	0.7303
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5591	0.3830
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.5229	0.4771	0.5229	-0.0040	0.7127
fbis-wc	0.6220	0.0445	0.6220	0.5649	0.2984
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4500	0.1375	0.4500	0.3082	0.2921
fontaine_MACCS	0.7955	0.2045	0.7955	0.5858	0.6377
fonts10%	0.4933	0.0066	0.4933	0.4680	0.6271
forest	0.9038	0.0481	0.9038	0.8667	0.1055
gas	0.6125	0.1292	0.6125	0.5256	0.3585
gastrointestinal	0.6875	0.2083	0.6875	0.5531	0.3199
gender	0.5916	0.2723	0.5916	0.0192	0.4186
gene	0.9401	0.0400	0.9401	0.9044	0.1712
german	0.6400	0.3600	0.6400	0.0137	0.7500
gina	0.7032	0.2968	0.7032	0.4053	0.8152
glass	0.8095	0.0635	0.8095	0.7299	0.1711
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.4000	0.3000	0.4000	0.2105	0.2869
glioma-grade	0.7381	0.2619	0.7381	0.4133	0.5561
green	0.7000	0.3000	0.7000	0.0000	0.4416
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3824	0.4406
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.7566	0.0406	0.7566	0.7120	0.1827
har70	0.7846	0.0636	0.7684	0.6533	0.1271
harth10%	0.8357	0.0250	0.8593	0.7997	0.2089
hayes-roth	0.4375	0.3750	0.4375	0.0769	0.5872
hcc-survival	0.4118	0.5882	0.4118	-0.2143	1.0000
heart	0.7407	0.2593	0.7407	0.4220	0.6660
heart-c	0.7667	0.2333	0.7667	0.5205	0.6223
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8095	0.1905	0.8095	0.6194	0.6180
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.8500	0.1500	0.8500	0.5833	0.3261
higgs10%	0.4707	0.5293	0.4707	-0.0000	0.5604
higher	0.2143	0.1964	0.2143	0.0723	0.3808
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8567	0.1433	0.8567	0.4275	0.6588
hiva	0.9598	0.0402	0.9598	-0.0084	0.4680
horse	0.5833	0.2778	0.5833	0.2308	0.6355
htru2	0.9760	0.0240	0.9760	0.8469	0.2374
ht-sensor	0.4891	0.3406	0.4891	0.2064	0.5978
hypothyroid	0.9867	0.0066	0.9867	0.9198	0.0877
hypothyroidT	0.9920	0.0080	0.9920	0.9431	0.1266
ilpd	0.6780	0.3220	0.6780	0.0278	0.8593
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5148	0.0373	0.5148	0.4954	0.3332
jm1	0.8072	0.1928	0.8072	0.0965	0.5984
fvowels	0.7731	0.0504	0.7731	0.7411	0.2453
kc1	0.7962	0.2038	0.7962	0.2371	0.7689
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7059	0.3322
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.2394	0.7582
kidney-disease	0.9250	0.0750	0.9250	0.8333	0.2345
krkopt	0.7365	0.0293	0.7365	0.7052	0.2853
krvskp	0.9843	0.0157	0.9843	0.9686	0.1069
la1s-wc	0.6444	0.1185	0.6444	0.5223	0.2640
la2s-wc	0.6656	0.1115	0.6656	0.5602	0.3427
labor	0.6667	0.3333	0.6667	0.2500	0.8750
leaf	0.4412	0.0279	0.4412	0.4222	0.0809
led24	0.5500	0.0900	0.5500	0.4930	0.2052
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8260	0.0134	0.8260	0.8190	0.1913
leukemia	0.8571	0.0952	0.8571	0.7742	0.1432
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5000	0.0667	0.5000	0.4622	0.2105
linkage10%	1.0000	0.0001	0.9884	0.9786	0.0209
liver	0.5588	0.4412	0.5588	-0.0324	0.9631
localization	0.4313	0.1034	0.4313	0.2267	0.5220
lrs	0.6981	0.0604	0.6981	0.5919	0.2414
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.8571	0.0571	0.8571	0.6957	0.0850
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7647	0.0900
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.5000	0.1429	0.5000	0.3469	0.2753
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6348	0.1754
lymphoma2	0.5556	0.0988	0.5556	0.2500	0.2158
madelon	0.5077	0.4923	0.5077	0.0154	0.6970
magic04	0.6944	0.3056	0.6944	0.4145	0.6977

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6662	0.5966
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6535	0.2310	0.6535	0.4650	0.4988
messidor	0.5652	0.4348	0.5652	0.0589	0.9219
meter-A	0.5000	0.5000	0.5000	0.1579	0.5288
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7662	0.1926
meter-D	0.8333	0.0833	0.8333	0.7662	0.1989
mfeat-fac	0.8850	0.0230	0.8850	0.8722	0.1275
mfeat-fou	0.6550	0.0690	0.6550	0.6167	0.3030
mfeat-kar	0.8400	0.0320	0.8400	0.8222	0.1851
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2342
mfeat-pix	0.9100	0.0180	0.9100	0.9000	0.1028
mfeat-zer	0.6000	0.0800	0.6000	0.5556	0.3498
mice-prot	0.9352	0.0162	0.9352	0.9258	0.0660
mines	0.4706	0.2118	0.4706	0.3369	0.4701
mobile	0.4510	0.0196	0.4510	0.4411	0.2367
monks-1	0.8000	0.2000	0.8000	0.5969	0.4280
monks-2	0.7541	0.2459	0.7541	0.3615	0.5788
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	0.9963	0.0037	0.9963	0.9926	0.0289
musk	0.8955	0.1045	0.8955	0.5120	0.4948
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9913
mutagen_class_2	0.4706	0.5294	0.4706	-0.0588	0.7608
mutagen_class_3	0.4928	0.5072	0.4928	-0.0017	0.7481
mutagens_ExtendedFingerprinter	0.6324	0.3676	0.6324	0.2647	0.8906
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2494	0.8356
MUT_ci300400a	0.4837	0.5163	0.4837	0.0741	0.7115
MUT_ci300400a_cdk_ECFP2	0.6091	0.3909	0.6091	0.0824	0.6429
myocardial	0.8882	0.0279	0.8882	0.4578	0.0891
naticusdroid	0.9304	0.0696	0.9304	0.8609	0.3007
nci9	0.3333	0.1481	0.3333	0.2500	0.1482
ncRNA10%	0.9228	0.0093	0.9256	0.7531	0.4448
newspop	0.5399	0.4601	0.5399	0.0211	0.6669
new-thyroid	0.9048	0.0635	0.9048	0.7586	0.1376
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9179	0.0821	0.9179	0.7928	0.3956
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0611	0.6620
nursery	0.9884	0.0046	0.9884	0.9830	0.0354
obs	0.7963	0.1019	0.7963	0.6817	0.1642
occupancy	0.9898	0.0102	0.9898	0.9717	0.1192
Occupancy_Estimation	0.9872	0.0064	0.9872	0.9608	0.0398
oh0-wc	0.9109	0.0178	0.9109	0.8979	0.0893
oh10-wc	0.7524	0.0495	0.7524	0.7165	0.2383
oh15-wc	0.8261	0.0348	0.8261	0.8015	0.1465
oh5-wc	0.7802	0.0440	0.7802	0.7520	0.1883
opn310k	0.9118	0.0882	0.9118	0.0787	0.2973
opnat310k-hg16-17	0.9119	0.0881	0.9119	0.1068	0.3572
optdigits	0.8861	0.0228	0.8861	0.8734	0.1533
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.3000	0.0350	0.3000	0.2821	0.1565
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.8775	0.1225	0.8775	0.0961	0.6943
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8287	0.0657

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.9474	0.0526	0.9474	0.8550	0.1675
particle	0.7966	0.2034	0.7966	0.3713	0.5078
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.4433	0.5567	0.4433	0.0050	0.8180
pd	0.6974	0.3026	0.6974	0.3947	0.6480
pediatric-leukemia	0.7353	0.0756	0.7353	0.6782	0.2325
pendigits	0.9454	0.0109	0.9454	0.9393	0.0833
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.6856	0.3144	0.6856	0.1756	0.7866
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9354
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6404	0.5164
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3684	0.7294
Pgp_desc	0.6500	0.3500	0.6500	0.3396	0.7400
phishing	0.9224	0.0776	0.9224	0.8388	0.3746
phoneme	0.8296	0.1704	0.8296	0.5703	0.6507
phy	0.5254	0.4746	0.5254	0.0538	0.9040
pima	0.6842	0.3158	0.6842	0.2897	0.8130
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.6290	0.0742	0.6290	0.3167	0.2543
polish-1st	0.9502	0.0498	0.9502	0.1233	0.6118
polish-2nd	0.9577	0.0423	0.9577	0.0360	0.4216
polish-3rd	0.9448	0.0552	0.9448	0.0469	0.5519
polish-4th	0.9469	0.0531	0.9469	0.0332	0.2464
polish-5th	0.9306	0.0694	0.9306	0.4439	0.6071
polya	0.6757	0.3243	0.6757	0.1360	0.6252
popularity	0.6288	0.2475	0.6288	-0.0009	0.3839
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.4151	0.2340	0.4151	0.2764	0.3546
pred-tox_mutagen_ref-desc	0.5441	0.4559	0.5441	0.0882	0.8880
primary-tumor	0.3636	0.0579	0.3636	0.2986	0.2680
profb	0.6866	0.3134	0.6866	0.0601	0.4545
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.6507	0.1397	0.6507	0.5259	0.1921
pufs-6410%	0.5028	0.4973	0.5028	0.0055	0.9980
raisin	0.8889	0.1111	0.8889	0.7778	0.4633
re0-wc	0.6333	0.0564	0.6333	0.4827	0.3427
re1-wc	0.8012	0.0159	0.8012	0.7740	0.1456
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0062	0.6426
RT_IOT2022	0.9967	0.0006	0.9967	0.9916	0.0064
satimage	0.8398	0.0534	0.8398	0.8014	0.2102
satimageF	0.9798	0.0202	0.9798	0.8990	0.2775
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.7143	0.0816	0.7143	0.6410	0.0842
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4412	0.5588	0.4412	-0.1176	0.9672
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.7306	0.2694	0.7306	0.4232	0.5589
segment	0.9567	0.0124	0.9567	0.9494	0.0604
segmentO	0.9870	0.0130	0.9870	0.9463	0.0533

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8342	0.1658	0.8342	0.0792	0.7562
sens-2-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-3-gram	0.8605	0.1395	0.8605	0.0391	0.5724
sens-4-gram	0.8211	0.1789	0.8211	-0.0270	0.7813
sensorless	0.8133	0.0339	0.8133	0.7947	0.1323
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8921	0.1079	0.8921	0.5906	0.5990
shuttle	0.9993	0.0002	0.9993	0.9981	0.1714
sick	0.9761	0.0239	0.9761	0.7784	0.1990
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.9695	0.0305	0.9695	0.9024	0.1234
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7482	0.0839	0.7482	0.6767	0.2046
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9118	0.0093	0.9118	0.9032	0.0457
spambase	0.7826	0.2174	0.7826	0.5782	0.5765
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.3585	0.0267	0.3585	0.3172	0.2059
splice-EI	0.9495	0.0505	0.9495	0.8716	0.3306
splice-IE	0.9306	0.0694	0.9306	0.8096	0.4052
sport-articles	0.8000	0.2000	0.8000	0.5804	0.6732
squash-stored	0.6000	0.2667	0.6000	0.4118	0.2946
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8000	0.2000	0.8000	0.0749	0.3544
steel-d	0.9795	0.0205	0.9795	0.4922	0.0689
steel_industry	0.8650	0.0900	0.8650	0.7784	0.2707
steel-k	0.9590	0.0410	0.9590	0.8668	0.2057
steel-o	0.6051	0.3949	0.6051	0.2765	0.7348
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9692	0.0308	0.9692	0.8251	0.3478
studentap	0.5385	0.3077	0.5385	0.2500	0.4742
student-weekend	0.3692	0.2523	0.3692	0.0817	0.5806
student-workday	0.7188	0.1125	0.7188	0.1286	0.2118
susy10%	0.6924	0.3076	0.6924	0.3505	0.6164
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0092
swarm_flocking	0.9288	0.0712	0.9288	0.8576	0.3026
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5740
Tdp_desc	0.7222	0.2778	0.7222	0.0217	0.8616
texture	0.9055	0.0172	0.9055	0.8958	0.1109
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.8737	0.1263	0.8737	0.7036	0.4852
tis	0.7524	0.2476	0.7524	0.0267	0.5311
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1603
tox_171	0.5294	0.2353	0.5294	0.3790	0.4120
toxicity	0.3529	0.6471	0.3529	0.0000	0.5089
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	-0.0417	0.8614
trec11-wc	0.8537	0.0325	0.8537	0.8215	0.1136
trec12-wc	0.6774	0.0806	0.6774	0.6125	0.1796

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.5152	0.1616	0.5152	0.3169	0.2424
trec23-wc	0.9524	0.0159	0.9524	0.9338	0.0454
trec31-wc	0.9570	0.0123	0.9570	0.9425	0.0673
trec41-wc	0.9205	0.0159	0.9205	0.9041	0.1147
trec45-wc	0.9130	0.0174	0.9130	0.8979	0.0594
tuandromd	0.9709	0.0291	0.9709	0.9121	0.2595
turkish	0.6750	0.1625	0.6750	0.5667	0.2659
tvnews	0.7061	0.2939	0.7061	0.2617	0.6585
urban	0.6567	0.0763	0.6567	0.5942	0.2183
vehicle	0.7262	0.1369	0.7262	0.6249	0.3083
vehicleVAN	0.9405	0.0595	0.9405	0.8485	0.3668
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.4141	0.1065	0.4141	0.3556	0.3696
vowelZ	0.8990	0.1010	0.8990	-0.0185	0.5421
vrnormat310k-hg16-17	0.9075	0.0925	0.9075	0.0312	0.3843
wap-wc	0.6859	0.0314	0.6859	0.6477	0.2320
warpar10p	0.5385	0.0923	0.5385	0.4834	0.1374
warppie10p	0.8095	0.0381	0.8095	0.7884	0.0863
watch-acc10%	0.8870	0.0323	0.8870	0.8678	0.1291
watch-gyr10%	0.8806	0.0341	0.8806	0.8605	0.1299
waveform	0.7200	0.1867	0.7200	0.5796	0.5133
web-phishing	0.8370	0.1086	0.8370	0.7062	0.3906
weight-lift	0.5620	0.1752	0.5620	0.4332	0.4056
white-clover	0.5000	0.2500	0.5000	-0.2857	0.3909
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0484
wilt	0.9710	0.0290	0.9710	0.6805	0.4428
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5535	0.1488	0.5535	0.2651	0.4321
winequality-white	0.4683	0.1519	0.4683	0.1401	0.5633
winnipeg	0.8604	0.0399	0.8604	0.8207	0.1286
yale	0.3750	0.0833	0.3750	0.3333	0.1409
yeast	0.5270	0.0946	0.5270	0.3873	0.4078
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.7731	0.0454	0.7731	0.7452	0.2853
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 43: Detailed results for EmphasisBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1703	0.0572	0.1703	0.0845	0.4954
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9831	0.0169	0.9831	0.1529	0.2131
ads	0.9665	0.0335	0.9665	0.8543	0.2540
adult	0.8634	0.1366	0.8634	0.5837	0.5616
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7524	0.2476	0.7524	0.0475	0.8368
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6486	0.3514	0.6486	0.2473	0.8854
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9971	0.0029	0.9971	0.2993	0.0138
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9941	0.0059	0.9941	0.1017	0.1596
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8615	0.1385	0.8615	0.5806	0.5911
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9300	0.0914
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9583	0.0104	0.9583	0.9305	0.0837
anuran-species	0.9681	0.0064	0.9681	0.9554	0.0489
aps-failure	0.9895	0.0105	0.9895	0.5954	0.1299
arcene	0.8500	0.1500	0.8500	0.6809	0.5520
arrhythmia	0.7556	0.0376	0.7556	0.6292	0.2396
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8400	0.0267	0.8400	0.7825	0.0921
balance	0.8548	0.0968	0.8548	0.7424	0.4008
bank	0.9155	0.0845	0.9155	0.5685	0.5792
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8364	0.1636	0.8364	0.6189	0.5131
basehock	0.9598	0.0402	0.9598	0.9196	0.2182
bio	0.9962	0.0038	0.9962	0.7424	0.1420
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9890	0.0000	0.9791	0.1532	0.3248
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7500	0.2500	0.7500	0.3636	0.7920
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9122	0.0878	0.9122	0.0857	0.2965
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8451	0.0310	0.8451	0.8139	0.1834
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8242	0.3133
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5900	0.4890
cas_N6512_cdk_ECFP2	0.5975	0.4025	0.5975	0.1476	0.7752
cdc_diabetes	0.8475	0.1017	0.8475	0.1630	0.3071
census10%	0.9753	0.0459	0.9420	0.4270	0.3723
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.8599	0.1162
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2941	0.8009
cirrhosis	0.7143	0.1905	0.7143	0.4194	0.4227
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8296	0.0852	0.8296	0.7380	0.3676
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5782	0.2812	0.5782	0.3338	0.6668
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0728
codon_usage	0.7959	0.0371	0.7959	0.7488	0.2390
coil20	0.9514	0.0049	0.9514	0.9488	0.0307
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.1256	0.9212
colposcopies-2	0.5172	0.4828	0.5172	-0.0628	0.9943
colposcopies-3	0.6207	0.3793	0.6207	0.2276	0.9066
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.7241	0.2759	0.7241	0.4396	0.6621
colposcopies-c	0.7586	0.2414	0.7586	0.4249	0.7318
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9856	0.0096	0.9856	0.5315	0.0300
cottonmeloidogyne	0.6106	0.3894	0.6106	0.2167	0.7790
coupon	0.7271	0.2729	0.7271	0.4346	0.7826
covtype	0.7442	0.0731	0.7442	0.5834	0.2735
covtypeCD	0.9856	0.0144	0.9856	0.9385	0.1587
covtypeT	0.9839	0.0161	0.9839	0.8739	0.2522
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.3357	0.6857
crowdsourced	0.8710	0.0430	0.8710	0.7068	0.1957
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3253	0.1000
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7407	0.2593	0.7407	0.4449	0.7087
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8237	0.1763	0.8237	0.3829	0.6443
deposit	0.8991	0.1009	0.8991	0.4455	0.6106
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8667	0.1333	0.8667	0.7333	0.5139
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5908	0.5490
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5679	0.2743	0.5869	0.1604	0.5436
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5573	0.4427	0.5573	0.0899	0.9197
dropout	0.7314	0.1791	0.7314	0.5556	0.5186
drug-01	0.3936	0.1733	0.3936	0.0172	0.4314
drug-02	0.4947	0.1444	0.4947	0.0683	0.5808
drug-03	0.6862	0.0897	0.6862	0.0134	0.3205
drug-04	0.4787	0.1489	0.4787	0.0622	0.7262
drug-05	0.7287	0.0775	0.7287	0.0297	0.3026
drug-06	0.3777	0.1778	0.3777	0.2082	0.5673
drug-07	0.3670	0.1809	0.3670	-0.0844	0.4964
drug-08	0.5426	0.1307	0.5426	0.0979	0.5735
drug-09	0.8564	0.0410	0.8564	-0.0148	0.2152
drug-10	0.5319	0.1337	0.5319	0.0619	0.4330
drug-11	0.8404	0.0456	0.8404	0.0402	0.2553
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.5957	0.1155	0.5957	0.2006	0.4229
drug-14	0.5798	0.1201	0.5798	0.1879	0.5028
drug-15	0.7340	0.0760	0.7340	0.0643	0.5872
drug-16	0.5691	0.1231	0.5691	0.2473	0.4468
drug-17	0.3511	0.1854	0.3511	0.1001	0.5664
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7660	0.0669	0.7660	0.0229	0.2808
drybean	0.9214	0.0225	0.9214	0.9049	0.1276
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3315	0.0836	0.3315	0.2442	0.5118
eeg-eye	0.5975	0.4025	0.5975	0.1176	0.6230
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3333	0.8409
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.4186	0.7581
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6105	0.5504
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6894	0.4884
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7285	0.5172
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6986	0.1205	0.6986	0.6098	0.3385
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9285	0.0715	0.9285	0.8563	0.3399
fbis-wc	0.7317	0.0316	0.7317	0.6930	0.2054
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6774	0.1560
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.6392	0.0047	0.6392	0.6198	0.2583
forest	0.9038	0.0481	0.9038	0.8672	0.1099
gas	0.9727	0.0091	0.9727	0.9669	0.0643
gastrointestinal	0.9375	0.0417	0.9375	0.9018	0.1379
gender	0.5853	0.2765	0.5853	0.0156	0.5012
gene	0.9274	0.0484	0.9274	0.8836	0.2120
german	0.6800	0.3200	0.6800	0.1899	0.8053
gina	0.8386	0.1614	0.8386	0.6763	0.5687
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8452	0.1548	0.8452	0.6855	0.5731
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4608
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9140	0.0143	0.9140	0.8984	0.1063
har70	0.8823	0.0336	0.8823	0.8298	0.1351
harth10%	0.8359	0.0251	0.8572	0.8044	0.2032
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.7059	0.2941	0.7059	0.4295	0.7316
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8024	0.1976	0.8024	0.6043	0.5911
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5603	0.4397	0.5603	0.0711	0.6187
higher	0.4286	0.1429	0.4286	0.3129	0.2189
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8735	0.1265	0.8735	0.5122	0.6190
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.6667	0.2222	0.6667	0.3820	0.5244
htru2	0.9777	0.0223	0.9777	0.8612	0.2547
ht-sensor	0.6763	0.2158	0.6763	0.5238	0.3575
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8472	0.0118	0.8472	0.8411	0.1239
jm1	0.8081	0.1919	0.8081	0.0839	0.5627
fvowels	0.9378	0.0138	0.9378	0.9294	0.1037
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.7143	0.0238	0.7143	0.4563	0.0715
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2747	0.8005
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8984	0.0113	0.8984	0.8866	0.1321
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7492	0.0836	0.7492	0.6776	0.3332
la2s-wc	0.7417	0.0861	0.7417	0.6666	0.3554
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6612	0.0589
led24	0.6500	0.0700	0.6500	0.6045	0.1488
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9275	0.0056	0.9275	0.9246	0.0837
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8507	0.0620
linkage10%	0.9895	0.0001	0.9771	0.9725	0.0215
liver	0.6176	0.3824	0.6176	0.1053	0.9255
localization	0.5465	0.0825	0.5465	0.3732	0.3556
lrs	0.8491	0.0302	0.8491	0.7900	0.0818
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6178	0.1332
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0368
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0746
madelon	0.5346	0.4654	0.5346	0.0692	0.9769
magic04	0.8143	0.1857	0.8143	0.5488	0.5232

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7298	0.3865
messidor	0.6261	0.3739	0.6261	0.2744	0.8414
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0647
mfeat-fou	0.8100	0.0380	0.8100	0.7889	0.1612
mfeat-kar	0.9250	0.0150	0.9250	0.9167	0.0917
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2197
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.1009
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2322
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4087	0.4795
mobile	0.8392	0.0057	0.8392	0.8362	0.0718
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8909	0.1091	0.8909	0.4133	0.2451
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9785
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.8472
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4404	0.7925
MUT_ci300400a	0.6366	0.3634	0.6366	0.1730	0.6309
MUT_ci300400a_cdk_ECFP2	0.6499	0.3501	0.6499	0.1990	0.6951
myocardial	0.8706	0.0324	0.8706	0.3731	0.2195
naticusdroid	0.9475	0.0525	0.9475	0.8950	0.2604
nci9	0.5000	0.1111	0.5000	0.4194	0.1042
ncRNA10%	0.8946	0.0095	0.9214	0.7498	0.4288
newspop	0.5325	0.4675	0.5325	0.0015	0.5749
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9492	0.0508	0.9492	0.8759	0.3054
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0549	0.7451
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9755	0.1012
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.8515	0.0297	0.8515	0.8295	0.1427
oh10-wc	0.7333	0.0533	0.7333	0.6942	0.2226
oh15-wc	0.7717	0.0457	0.7717	0.7388	0.2167
oh5-wc	0.7143	0.0571	0.7143	0.6753	0.2244
opn310k	0.9131	0.0869	0.9131	0.0909	0.2625
opnat310k-hg16-17	0.9127	0.0873	0.9127	0.1003	0.3074
optdigits	0.9395	0.0121	0.9395	0.9327	0.0844
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6250	0.0187	0.6250	0.6154	0.0690
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9799	0.0080	0.9799	0.8858	0.1650

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8753	0.1247	0.8753	0.6846	0.5414
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.4433	0.5567	0.4433	-0.1526	1.0000
pd	0.8158	0.1842	0.8158	0.5254	0.6906
pediatric-leukemia	0.7353	0.0756	0.7353	0.6720	0.2304
pendigits	0.9782	0.0044	0.9782	0.9757	0.0372
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5947	0.6265
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7137	0.5439
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9673	0.0327	0.9673	0.9315	0.1998
phoneme	0.8259	0.1741	0.8259	0.6085	0.6227
phy	0.6330	0.3670	0.6330	0.2640	0.7933
pima	0.7237	0.2763	0.7237	0.3899	0.7718
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7991	0.0402	0.7991	0.6267	0.1657
polish-1st	0.9758	0.0242	0.9758	0.5742	0.2841
polish-2nd	0.9567	0.0433	0.9567	-0.0072	0.4278
polish-3rd	0.9467	0.0533	0.9467	0.0216	0.4973
polish-4th	0.9592	0.0408	0.9592	0.4807	0.4322
polish-5th	0.9526	0.0474	0.9526	0.5522	0.4262
polya	0.6508	0.3492	0.6508	0.0566	0.6664
popularity	0.6298	0.2468	0.6298	0.0019	0.3651
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8919	0.0432	0.8919	0.8649	0.1611
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.9130
primary-tumor	0.5152	0.0441	0.5152	0.4601	0.1851
profb	0.7612	0.2388	0.7612	0.4031	0.7232
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9426	0.0229	0.9426	0.9226	0.1014
pufs-6410%	0.4950	0.5050	0.4950	-0.0100	1.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4596
re0-wc	0.7267	0.0421	0.7267	0.6393	0.3523
re1-wc	0.8012	0.0159	0.8012	0.7720	0.1511
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5878	0.4122	0.5878	-0.0021	0.6440
RT_IOT2022	0.9986	0.0002	0.9986	0.9965	0.0025
satimage	0.8756	0.0415	0.8756	0.8465	0.1918
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.8989	0.1011	0.8989	0.0468	0.3692
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.3721	0.5239
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6425	0.3575	0.6425	0.3295	0.5193
segment	0.9610	0.0111	0.9610	0.9544	0.0475
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9380	0.0620	0.9380	0.1839	0.3687
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-2-gram	0.8684	0.1316	0.8684	0.1284	0.5533
sens-3-gram	0.8553	0.1447	0.8553	0.0029	0.6097
sens-4-gram	0.8579	0.1421	0.8579	0.0587	0.6232
sensorless	0.9844	0.0028	0.9844	0.9829	0.0264
sepsis	0.9094	0.0906	0.9094	0.0029	0.2172
shoppers	0.8840	0.1160	0.8840	0.5503	0.6200
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8149	0.2550
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9914	0.0086	0.9914	0.9742	0.1142
smk_can_187	0.7368	0.2632	0.7368	0.4809	0.6961
solar-flare	0.7698	0.0767	0.7698	0.7062	0.2224
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9412	0.0062	0.9412	0.9354	0.0353
spambase	0.9196	0.0804	0.9196	0.8287	0.3495
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5849	0.0173	0.5849	0.5617	0.1120
splice-EI	0.9748	0.0252	0.9748	0.9337	0.2013
splice-IE	0.9527	0.0473	0.9527	0.8708	0.3193
sport-articles	0.8300	0.1700	0.8300	0.6333	0.6202
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8154	0.1846	0.8154	0.2210	0.5179
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8947	0.0702	0.8947	0.8291	0.2409
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7179	0.2821	0.7179	0.2663	0.6615
steel-p	0.9179	0.0821	0.9179	0.2948	0.5925
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.6154	0.2564	0.6154	0.3981	0.5877
student-weekend	0.4462	0.2215	0.4462	0.2054	0.5584
student-workday	0.6719	0.1313	0.6719	0.0634	0.4508
susy10%	0.7559	0.2441	0.7559	0.4958	0.6739
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0135
swarm_flocking	0.9908	0.0092	0.9908	0.9817	0.0702
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.7778	0.2222	0.7778	0.3571	0.7720
texture	0.9600	0.0073	0.9600	0.9559	0.0542
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8654	0.1346	0.8654	0.6226	0.5800
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7647	0.1176	0.7647	0.6866	0.2330
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	0.0711	0.8812
trec11-wc	0.8537	0.0325	0.8537	0.8195	0.1322
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5967	0.3074
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9677	0.0092	0.9677	0.9571	0.0560
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9130	0.0174	0.9130	0.8983	0.0600
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8500	0.0750	0.8500	0.8000	0.2282
tvnews	0.8277	0.1723	0.8277	0.6149	0.6050
urban	0.8358	0.0365	0.8358	0.8070	0.1517
vehicle	0.8452	0.0774	0.8452	0.7888	0.1721
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5657	0.0790	0.5657	0.5222	0.2529
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9085	0.0915	0.9085	0.0057	0.2769
wap-wc	0.7949	0.0205	0.7949	0.7687	0.1443
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9524	0.0095	0.9524	0.9468	0.0229
watch-acc10%	0.8999	0.0286	0.8999	0.8829	0.0569
watch-gyr10%	0.8956	0.0298	0.8956	0.8781	0.0614
waveform	0.7660	0.1560	0.7660	0.6493	0.4667
web-phishing	0.8741	0.0840	0.8741	0.7766	0.3682
weight-lift	0.8838	0.0465	0.8838	0.8527	0.1814
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9896	0.0104	0.9896	0.8925	0.2660
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6289	0.1237	0.6289	0.3910	0.4139
winequality-white	0.4949	0.1443	0.4949	0.1359	0.4523
winnipeg	0.9674	0.0093	0.9674	0.9588	0.0651
yale	0.6250	0.0500	0.6250	0.5983	0.0962
yeast	0.5608	0.0878	0.5608	0.4387	0.3974
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9129	0.0174	0.9129	0.9024	0.1307
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 44: Detailed results for EmphasisBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1175	0.0609	0.1175	0.0333	0.4634
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9834	0.0166	0.9834	0.1559	0.1518
ads	0.9604	0.0396	0.9604	0.8278	0.2989
adult	0.8636	0.1364	0.8636	0.5834	0.5589
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7619	0.2381	0.7619	0.0622	0.8294
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3127	0.8572
AID_602330	0.9427	0.0573	0.9427	-0.0233	0.6301
AID604	0.9970	0.0030	0.9970	0.2557	0.0142
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8615	0.1385	0.8615	0.5806	0.5911
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9750	0.0125	0.9750	0.9522	0.0617
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9680	0.0080	0.9680	0.9469	0.0644
anuran-species	0.9736	0.0053	0.9736	0.9633	0.0614
aps-failure	0.9893	0.0107	0.9893	0.5843	0.1071
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7556	0.0376	0.7556	0.6154	0.2945
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8265	0.0289	0.8265	0.7649	0.1076
balance	0.8226	0.1183	0.8226	0.6889	0.3634
bank	0.9167	0.0833	0.9167	0.5862	0.5777
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8387	0.1613	0.8387	0.6248	0.5098
basehock	0.9698	0.0302	0.9698	0.9397	0.1798
bio	0.9962	0.0038	0.9962	0.7424	0.1420
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9976	0.0000	0.9897	0.1476	0.3325
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9120	0.0880	0.9120	0.0866	0.3091
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	1.0000	0.0000	1.0000	1.0000	0.0000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9828	0.0086	0.9828	0.9631	0.0552
card	0.9275	0.0725	0.9275	0.8506	0.3457
cardiotocography	0.8592	0.0282	0.8592	0.8307	0.1574
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8355	0.2834
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6818	0.4000
cas_N6512_cdk_ECFP2	0.6068	0.3932	0.6068	0.1718	0.8046
cdc_diabetes	0.8479	0.1014	0.8479	0.1655	0.3063
census10%	0.9452	0.0457	0.9523	0.4168	0.3759
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.8629	0.1018
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3781	0.7671
cirrhosis	0.6905	0.2063	0.6905	0.3767	0.4423
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8315	0.0843	0.8315	0.7352	0.3280
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5782	0.2812	0.5782	0.3352	0.6690
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0558
codon_usage	0.7767	0.0406	0.7767	0.7263	0.2530
coil20	0.9306	0.0069	0.9306	0.9269	0.0423
collins	0.8200	0.0240	0.8200	0.8009	0.0674
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	0.0240	0.9373
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.6207	0.3793	0.6207	0.2276	0.9066
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.8966	0.1034	0.8966	0.7307	0.5138
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9873	0.0085	0.9873	0.6101	0.0273
cottonmeloidogyne	0.6298	0.3702	0.6298	0.2557	0.7686
coupon	0.7327	0.2673	0.7327	0.4446	0.7718
covtype	0.7413	0.0739	0.7413	0.5792	0.2765
covtypeCD	0.9871	0.0129	0.9871	0.9449	0.1474
covtypeT	0.9839	0.0161	0.9839	0.8735	0.2481
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2129	0.7253
crowdsourced	0.8922	0.0359	0.8922	0.7628	0.2489
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2932	0.1163
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7593	0.2407	0.7593	0.4876	0.6885
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8240	0.1760	0.8240	0.3828	0.6416
deposit	0.9011	0.0989	0.9011	0.4580	0.6039
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8833	0.1167	0.8833	0.7667	0.4763
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5323	0.6223
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5889	0.2829	0.5726	0.1559	0.5334
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5644	0.4356	0.5644	0.1039	0.9084
dropout	0.7336	0.1776	0.7336	0.5439	0.5013
drug-01	0.3989	0.1717	0.3989	0.0382	0.4721
drug-02	0.5160	0.1383	0.5160	0.0508	0.4203
drug-03	0.6755	0.0927	0.6755	-0.0102	0.3528
drug-04	0.5160	0.1383	0.5160	0.0554	0.5731
drug-05	0.7287	0.0775	0.7287	0.0417	0.2646
drug-06	0.4043	0.1702	0.4043	0.2434	0.5606
drug-07	0.3830	0.1763	0.3830	-0.0643	0.3977
drug-08	0.5479	0.1292	0.5479	0.0888	0.6180
drug-09	0.8511	0.0426	0.8511	-0.0182	0.4188
drug-10	0.5372	0.1322	0.5372	0.0560	0.4349
drug-11	0.8457	0.0441	0.8457	-0.0063	0.2293
drug-12	0.7819	0.0623	0.7819	-0.0137	0.2547
drug-13	0.6011	0.1140	0.6011	0.2273	0.4222
drug-14	0.5745	0.1216	0.5745	0.1828	0.5918
drug-15	0.7447	0.0729	0.7447	0.0517	0.4599
drug-16	0.5745	0.1216	0.5745	0.2638	0.4030
drug-17	0.3830	0.1763	0.3830	0.1320	0.5273
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7553	0.0699	0.7553	-0.0028	0.4359
drybean	0.9295	0.0202	0.9295	0.9147	0.1152
ecoli	0.7941	0.0515	0.7941	0.7122	0.1297
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2834	0.0896	0.2834	0.1807	0.5292
eeg-eye	0.5961	0.4039	0.5961	0.1141	0.6184
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3644	0.7788
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.4186	0.7581
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6197	0.5879
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6712	0.1315	0.6712	0.5762	0.3198
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9293	0.0707	0.9293	0.8579	0.3377
fbis-wc	0.7683	0.0273	0.7683	0.7369	0.1866
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3500	0.1625	0.3500	0.1720	0.2943
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5354	0.0061	0.5494	0.5051	0.5550
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9676	0.0108	0.9676	0.9608	0.0624
gastrointestinal	0.8750	0.0833	0.8750	0.8072	0.2544
gender	0.5895	0.2737	0.5895	0.0154	0.3906
gene	0.9432	0.0379	0.9432	0.9093	0.1674
german	0.6900	0.3100	0.6900	0.1969	0.7441
gina	0.8329	0.1671	0.8329	0.6646	0.5700
glass	0.8571	0.0476	0.8571	0.8062	0.1657
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5385	0.6309
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7551	0.4910
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3558	0.4888
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.8856	0.0191	0.8856	0.8645	0.1314
har70	0.8677	0.0341	0.8662	0.8398	0.1319
harth10%	0.8680	0.0258	0.8318	0.8060	0.2028
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8010	0.1990	0.8010	0.6014	0.5908
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5584	0.4416	0.5584	0.0668	0.6126
higher	0.2857	0.1786	0.2857	0.1667	0.3037
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8752	0.1248	0.8752	0.5081	0.6066
hiva	0.9622	0.0378	0.9622	0.1856	0.5048
horse	0.6667	0.2222	0.6667	0.3820	0.5244
htru2	0.9788	0.0212	0.9788	0.8689	0.2505
ht-sensor	0.7571	0.1620	0.7571	0.6378	0.4101
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1986	0.7697
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6110	0.0299	0.6110	0.5955	0.2737
jm1	0.8062	0.1938	0.8062	0.0752	0.5750
fvowels	0.9237	0.0170	0.9237	0.9135	0.1105
kc1	0.8673	0.1327	0.8673	0.3535	0.5873
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1250	0.1818
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.9102	0.0100	0.9102	0.8996	0.1159
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7587	0.0804	0.7587	0.6845	0.2479
la2s-wc	0.7881	0.0706	0.7881	0.7236	0.2331
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5401	0.0826
led24	0.6500	0.0700	0.6500	0.6067	0.1668
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9275	0.0056	0.9275	0.9246	0.0851
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7500	0.0333	0.7500	0.7316	0.1149
linkage10%	0.9932	0.0001	1.0000	0.9870	0.0211
liver	0.6176	0.3824	0.6176	0.0596	0.9337
localization	0.5212	0.0870	0.5212	0.3307	0.3710
lrs	0.8113	0.0377	0.8113	0.7425	0.1631
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5346	0.4654	0.5346	0.0692	0.9789
magic04	0.8117	0.1883	0.8117	0.5426	0.5341

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6042	0.6575
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7439	0.3638
messidor	0.6522	0.3478	0.6522	0.3265	0.8010
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0988
mfeat-fou	0.7100	0.0580	0.7100	0.6778	0.2564
mfeat-kar	0.8050	0.0390	0.8050	0.7833	0.2051
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1959
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0502
mfeat-zer	0.7250	0.0550	0.7250	0.6944	0.2029
mice-prot	0.9352	0.0162	0.9352	0.9258	0.0756
mines	0.5588	0.1765	0.5588	0.4457	0.4895
mobile	0.7238	0.0099	0.7238	0.7187	0.1267
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8909	0.1091	0.8909	0.4133	0.2451
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9823
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4928	0.5072	0.4928	-0.0281	0.7548
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.8074
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4434	0.7862
MUT_ci300400a	0.6266	0.3734	0.6266	0.1501	0.6675
MUT_ci300400a_cdk_ECFP2	0.6403	0.3597	0.6403	0.1733	0.6956
myocardial	0.8824	0.0294	0.8824	0.4285	0.1556
naticusdroid	0.9475	0.0525	0.9475	0.8950	0.2604
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.9311	0.0094	0.9085	0.7343	0.4338
newspop	0.5343	0.4657	0.5343	0.0054	0.5685
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9542	0.0459	0.9542	0.8878	0.2830
NPHA-doctor-visits	0.5000	0.3333	0.5000	0.1175	0.7143
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9742	0.1059
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9109	0.0178	0.9109	0.8978	0.0894
oh10-wc	0.7619	0.0476	0.7619	0.7263	0.2090
oh15-wc	0.7935	0.0413	0.7935	0.7653	0.1603
oh5-wc	0.8022	0.0396	0.8022	0.7771	0.1940
opn310k	0.9132	0.0868	0.9132	0.0926	0.2623
opnat310k-hg16-17	0.9130	0.0870	0.9130	0.1068	0.3105
optdigits	0.9395	0.0121	0.9395	0.9327	0.0776
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7500	0.0125	0.7500	0.7436	0.0429
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9328	0.0672	0.9328	0.3410	0.5012
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8787	0.3222

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8752	0.1248	0.8752	0.6837	0.5405
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5052	0.4948	0.5052	-0.0209	0.9959
pd	0.8158	0.1842	0.8158	0.5410	0.6789
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9818	0.0036	0.9818	0.9798	0.0311
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5947	0.6265
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8882
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6987	0.5557
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9755	0.0245	0.9755	0.9488	0.1642
phoneme	0.8259	0.1741	0.8259	0.6127	0.6128
phy	0.6386	0.3614	0.6386	0.2791	0.7873
pima	0.7368	0.2632	0.7368	0.4154	0.7389
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7760	0.0448	0.7760	0.5832	0.1847
polish-1st	0.9744	0.0256	0.9744	0.5385	0.2912
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9476	0.0524	0.9476	0.0237	0.4710
polish-4th	0.9541	0.0459	0.9541	0.4355	0.5059
polish-5th	0.9577	0.0423	0.9577	0.5830	0.3206
polya	0.6519	0.3481	0.6519	0.0540	0.6340
popularity	0.6300	0.2467	0.6300	0.0025	0.3683
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8945	0.0422	0.8945	0.8679	0.1501
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9023
primary-tumor	0.3636	0.0579	0.3636	0.2986	0.2127
profb	0.7164	0.2836	0.7164	0.2820	0.8001
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9441	0.0224	0.9441	0.9244	0.0961
pufs-6410%	0.5013	0.4987	0.5013	0.0026	0.9993
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.7133	0.0441	0.7133	0.6027	0.2730
re1-wc	0.7952	0.0164	0.7952	0.7650	0.1675
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5849	0.4151	0.5849	-0.0092	0.6570
RT_IOT2022	0.9987	0.0002	0.9987	0.9967	0.0044
satimage	0.8802	0.0399	0.8802	0.8521	0.1963
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.8958	0.1042	0.8958	0.0399	0.4552
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.5263	0.5283
schizo	0.5588	0.4412	0.5588	0.1176	0.9407
secom	0.9231	0.0769	0.9231	0.1103	0.6287
secondary_mushroom	0.6425	0.3575	0.6425	0.3295	0.5193
segment	0.9697	0.0087	0.9697	0.9646	0.0384
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0927	0.3832
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-2-gram	0.8684	0.1316	0.8684	0.1503	0.5774
sens-3-gram	0.8526	0.1474	0.8526	-0.0019	0.6363
sens-4-gram	0.8605	0.1395	0.8605	0.0641	0.5968
sensorless	0.9850	0.0027	0.9850	0.9835	0.0243
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8897	0.1103	0.8897	0.5751	0.6050
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.8149	0.2550
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9913	0.0087	0.9913	0.9741	0.1146
smk_can_187	0.5263	0.4737	0.5263	0.0552	0.9801
solar-flare	0.7770	0.0743	0.7770	0.7137	0.2002
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9412	0.0062	0.9412	0.9355	0.0336
spambase	0.9217	0.0783	0.9217	0.8335	0.3444
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4528	0.0228	0.4528	0.4215	0.1418
splice-EI	0.9779	0.0221	0.9779	0.9422	0.1877
splice-IE	0.9432	0.0568	0.9432	0.8428	0.3504
sport-articles	0.8100	0.1900	0.8100	0.5947	0.6609
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.1345	0.6345
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8930	0.0713	0.8930	0.8265	0.2443
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7128	0.2872	0.7128	0.2677	0.7256
steel-p	0.9128	0.0872	0.9128	0.3253	0.6351
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.6923	0.2051	0.6923	0.5094	0.3995
student-weekend	0.3846	0.2462	0.3846	0.1354	0.6960
student-workday	0.7188	0.1125	0.7188	0.1286	0.2244
susy10%	0.7601	0.2399	0.7601	0.5078	0.7012
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	0.9888	0.0112	0.9888	0.9775	0.0825
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5980
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.9655	0.0063	0.9655	0.9619	0.0496
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8646	0.1354	0.8646	0.6201	0.5816
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.1023	0.9146
trec11-wc	0.9024	0.0217	0.9024	0.8806	0.0900
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9430	0.0441
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0188
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8000	0.1000	0.8000	0.7333	0.2664
tvnews	0.7846	0.2154	0.7846	0.4874	0.5906
urban	0.8358	0.0365	0.8358	0.8070	0.1448
vehicle	0.7500	0.1250	0.7500	0.6641	0.2355
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5354	0.0845	0.5354	0.4889	0.2681
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9084	0.0916	0.9084	0.0055	0.2821
wap-wc	0.7051	0.0295	0.7051	0.6675	0.1674
warpar10p	0.5385	0.0923	0.5385	0.4868	0.1518
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0371
watch-acc10%	0.9359	0.0183	0.9359	0.9251	0.0719
watch-gyr10%	0.9282	0.0205	0.9282	0.9162	0.0639
waveform	0.7640	0.1573	0.7640	0.6463	0.4440
web-phishing	0.8963	0.0691	0.8963	0.8171	0.3306
weight-lift	0.7406	0.1037	0.7406	0.6740	0.3404
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9938	0.0062	0.9938	0.9329	0.1374
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6478	0.1174	0.6478	0.4303	0.3764
winequality-white	0.5235	0.1361	0.5235	0.2229	0.4947
winnipeg	0.9733	0.0094	0.9439	0.9798	0.0659
yale	0.5000	0.0667	0.5000	0.4667	0.1064
yeast	0.5270	0.0946	0.5270	0.3914	0.3616
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.8355	0.0329	0.8355	0.8161	0.1770
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 45: Detailed results for Vote-boosting(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1918	0.0557	0.1918	0.1100	0.4734
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.9837	0.0163	0.9837	0.1589	0.0569
ads	0.9634	0.0366	0.9634	0.8426	0.2893
adult	0.8624	0.1376	0.8624	0.5891	0.5799
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.8810	0.1190	0.8810	-0.0488	0.7141
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0625	0.7749
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.1943	0.7939
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.3327	0.5322
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9893	0.0107	0.9893	-0.0025	0.4301
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8923	0.1077	0.8923	0.7036	0.5340
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9312	0.1126
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9722	0.0070	0.9722	0.9544	0.1317
anuran-species	0.9694	0.0061	0.9694	0.9574	0.0515
aps-failure	0.9904	0.0096	0.9904	0.6591	0.2096
arcene	0.8500	0.1500	0.8500	0.6809	0.5520
arrhythmia	0.7556	0.0376	0.7556	0.6151	0.2851
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6947	0.0720
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8000	0.1294
avila	0.8246	0.0292	0.8246	0.7618	0.1327
balance	0.8548	0.0968	0.8548	0.7363	0.4207
bank	0.9046	0.0954	0.9046	0.3445	0.4955
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8571	0.1429	0.8571	0.6677	0.4422
basehock	0.9095	0.0905	0.9095	0.8193	0.2987
bio	0.9964	0.0036	0.9964	0.7619	0.1565
biodeg	0.8095	0.1905	0.8095	0.6216	0.5826
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9625	0.0000	0.9939	0.1527	0.3235
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.6786	0.3214	0.6786	0.2921	0.8190
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.9000	0.0286	0.9000	0.8485	0.0526
bub10at310k-hg16-17	0.9113	0.0887	0.9113	0.0526	0.2498
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.9130	0.0870	0.9130	0.8198	0.3843
cardiotocography	0.8545	0.0291	0.8545	0.8255	0.1722
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8309	0.2803
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5685	0.4459
cas_N6512_cdk_ECFP2	0.5469	0.4531	0.5469	0.0190	0.5666
cdc_diabetes	0.8474	0.1017	0.8474	0.2286	0.3619
census10%	0.9587	0.0461	0.9309	0.4229	0.3738
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8249	0.2346
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6644	0.5721
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6347	0.5902
ci900367j_MACCS	0.6947	0.3053	0.6947	0.3104	0.8243
cirrhosis	0.6905	0.2063	0.6905	0.3865	0.5337
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8269	0.0866	0.8269	0.7336	0.3834
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.4353
cm1	0.8400	0.1600	0.8400	-0.0811	0.7590
cmc	0.5442	0.3039	0.5442	0.2903	0.6670
cnae-9	0.8981	0.0226	0.8981	0.8854	0.0898
codon_usage	0.8127	0.0340	0.8127	0.7720	0.2809
coil20	0.9583	0.0042	0.9583	0.9561	0.0265
collins	0.9600	0.0053	0.9600	0.9560	0.0166
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.2799	0.7834
colposcopies-2	0.5172	0.4828	0.5172	-0.0628	0.9943
colposcopies-3	0.6552	0.3448	0.6552	0.3379	0.7805
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.3165	0.7298
colposcopies-6	0.6897	0.3103	0.6897	0.3859	0.7660
colposcopies-c	0.7241	0.2759	0.7241	0.3136	0.7964
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9837	0.0109	0.9837	0.4455	0.0661
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0691	0.6602
coupon	0.6972	0.3028	0.6972	0.3865	0.8253
covtype	0.7154	0.0813	0.7154	0.5455	0.4004
covtypeCD	0.9791	0.0209	0.9791	0.9088	0.1765
covtypeT	0.9501	0.0499	0.9501	0.6533	0.5362
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8737	0.0421	0.8737	0.7527	0.3664
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2500	0.0375	0.2500	0.2281	0.1297
cyclopentane	0.8148	0.1852	0.8148	0.6087	0.4011
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8270	0.1730	0.8270	0.4015	0.6426
deposit	0.8929	0.1071	0.8929	0.4523	0.6398
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.7500	0.2500	0.7500	0.5000	0.6368
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9231	0.0769	0.9231	0.8375	0.3723
diabetic10%	0.5876	0.2773	0.5823	0.1562	0.5455
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.2857	0.5283
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5833	0.4167	0.5833	0.2105	0.8377
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5520	0.4480	0.5520	0.0647	0.8022
dropout	0.6885	0.2077	0.6885	0.4955	0.5316
drug-01	0.4096	0.1687	0.4096	0.0338	0.3736
drug-02	0.5213	0.1368	0.5213	0.0585	0.4262
drug-03	0.6862	0.0897	0.6862	0.0116	0.2619
drug-04	0.4947	0.1444	0.4947	0.0391	0.6182
drug-05	0.7021	0.0851	0.7021	-0.0288	0.3904
drug-06	0.3883	0.1748	0.3883	0.2168	0.5667
drug-07	0.3883	0.1748	0.3883	-0.0545	0.4357
drug-08	0.5426	0.1307	0.5426	0.0576	0.4573
drug-09	0.8245	0.0502	0.8245	-0.0439	0.3615
drug-10	0.5426	0.1307	0.5426	0.0816	0.3615
drug-11	0.8245	0.0502	0.8245	0.0650	0.5782
drug-12	0.7766	0.0638	0.7766	-0.0190	0.4171
drug-13	0.6596	0.0973	0.6596	0.3405	0.3305
drug-14	0.6170	0.1094	0.6170	0.2447	0.4183
drug-15	0.7394	0.0745	0.7394	0.0598	0.4947
drug-16	0.5745	0.1216	0.5745	0.2660	0.3990
drug-17	0.3617	0.1824	0.3617	0.0945	0.4984
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7394	0.0745	0.7394	0.0112	0.5422
drybean	0.9287	0.0204	0.9287	0.9137	0.1189
ecoli	0.8824	0.0294	0.8824	0.8369	0.0987
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3173	0.0853	0.3173	0.2285	0.5515
eeg-eye	0.6108	0.3892	0.6108	0.1484	0.5965
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.7333	0.2667	0.7333	0.4613	0.7301
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5739	0.6760
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8681	0.2317
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.3564	0.5599
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7779	0.4525
er_tox_rdkit_TORSION	0.8871	0.1129	0.8871	-0.0585	0.5969
eucalyptus	0.6712	0.1315	0.6712	0.5798	0.3366
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	0.9110	0.0890	0.9110	0.8216	0.4002
fbis-wc	0.7846	0.0253	0.7846	0.7564	0.1917
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.4500	0.1375	0.4500	0.3231	0.2757
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5431	0.0062	0.5353	0.5112	0.5508
forest	0.9038	0.0481	0.9038	0.8667	0.0957
gas	0.9554	0.0149	0.9554	0.9460	0.0867
gastrointestinal	0.8125	0.1250	0.8125	0.6981	0.2631
gender	0.5874	0.2751	0.5874	0.0079	0.4179
gene	0.9401	0.0400	0.9401	0.9036	0.1729
german	0.6700	0.3300	0.6700	0.1316	0.7628
gina	0.7522	0.2478	0.7522	0.4996	0.5472
glass	0.8095	0.0635	0.8095	0.7423	0.2203
glassBWFP	0.8095	0.1905	0.8095	0.5532	0.3876
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4230
haberman	0.7000	0.3000	0.7000	0.2012	0.8607
hapt	0.9149	0.0142	0.9149	0.8995	0.0863
har70	0.8969	0.0295	0.8969	0.8492	0.1438
harth10%	0.8428	0.0257	0.8363	0.7927	0.2113
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8008	0.1992	0.8008	0.6010	0.6116
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5494	0.4506	0.5494	0.0457	0.5841
higher	0.2857	0.1786	0.2857	0.1463	0.3182
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9039	0.0961	0.9039	0.6881	0.5460
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.6944	0.2037	0.6944	0.4837	0.5719
htru2	0.9777	0.0223	0.9777	0.8650	0.2860
ht-sensor	0.6774	0.2151	0.6774	0.5256	0.3590
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8254	0.0134	0.8254	0.8184	0.1416
jm1	0.8090	0.1910	0.8090	0.0709	0.5183
fvowels	0.8906	0.0243	0.8906	0.8762	0.1539
kc1	0.8626	0.1374	0.8626	0.3196	0.5977
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.3185	0.7781
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.8602	0.0155	0.8602	0.8440	0.1723
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7683	0.0772	0.7683	0.7012	0.2810
la2s-wc	0.7682	0.0773	0.7682	0.6991	0.3042
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6308	0.0793
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9115	0.0068	0.9115	0.9079	0.1021
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8209	0.0558
linkage10%	1.0000	0.0001	0.9840	0.9940	0.0208
liver	0.6471	0.3529	0.6471	0.0049	0.8516
localization	0.5769	0.0769	0.5769	0.4415	0.3928
lrs	0.8113	0.0377	0.8113	0.7379	0.1411
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.8095	0.0762	0.8095	0.5962	0.2647
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5294	0.2669
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0368
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.5038	0.4962	0.5038	0.0077	0.5281
magic04	0.8190	0.1810	0.8190	0.5658	0.5452

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6235	0.6412
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7525	0.1650	0.7525	0.6246	0.4471
messidor	0.5913	0.4087	0.5913	0.2403	0.6892
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7672	0.1960
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0572
mfeat-fou	0.7400	0.0520	0.7400	0.7111	0.2125
mfeat-kar	0.9000	0.0200	0.9000	0.8889	0.1186
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2108
mfeat-pix	0.8950	0.0210	0.8950	0.8833	0.1142
mfeat-zer	0.7400	0.0520	0.7400	0.7111	0.2129
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4450	0.4463
mobile	0.8287	0.0061	0.8287	0.8255	0.0763
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9288	0.0712	0.9288	0.6998	0.4139
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.5882	0.4118	0.5882	0.1765	0.7702
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4026	0.8148
MUT_ci300400a	0.5977	0.4023	0.5977	0.0668	0.5753
MUT_ci300400a_cdk_ECFP2	0.5899	0.4101	0.5899	0.0210	0.5291
myocardial	0.8765	0.0309	0.8765	0.3864	0.2146
naticusdroid	0.9475	0.0525	0.9475	0.8950	0.2588
nci9	0.5000	0.1111	0.5000	0.4194	0.1042
ncRNA10%	0.8985	0.0092	0.9288	0.7568	0.4372
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9417	0.0583	0.9417	0.8594	0.3428
NPHA-doctor-visits	0.5556	0.2963	0.5556	0.2085	0.7112
nursery	0.9946	0.0022	0.9946	0.9921	0.0142
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0907
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8416	0.0317	0.8416	0.8209	0.1473
oh10-wc	0.7333	0.0533	0.7333	0.7002	0.2125
oh15-wc	0.7500	0.0500	0.7500	0.7173	0.1851
oh5-wc	0.6813	0.0637	0.6813	0.6461	0.2371
opn310k	0.9113	0.0887	0.9113	0.0542	0.2555
opnat310k-hg16-17	0.9119	0.0881	0.9119	0.0776	0.2839
optdigits	0.9377	0.0125	0.9377	0.9308	0.0876
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.5750	0.0213	0.5750	0.5641	0.0810
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	0.1205	0.6130
ozone8hr	0.9249	0.0751	0.9249	0.0821	0.3855
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9708	0.0117	0.9708	0.8367	0.2232

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7895	0.2105	0.7895	0.5190	0.6808
particle	0.8717	0.1283	0.8717	0.6801	0.5564
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.8421	0.1579	0.8421	0.4894	0.4817
pediatric-leukemia	0.7647	0.0672	0.7647	0.7072	0.1908
pendigits	0.9745	0.0051	0.9745	0.9717	0.0424
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5609	0.6286
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8882
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7764	0.4615
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.6000	0.4000	0.6000	0.1304	0.9336
phishing	0.9673	0.0327	0.9673	0.9315	0.1998
phoneme	0.7167	0.2833	0.7167	0.0056	0.4751
phy	0.6326	0.3674	0.6326	0.2632	0.7969
pima	0.6842	0.3158	0.6842	0.2808	0.7925
plx	0.7222	0.2778	0.7222	0.1509	0.7953
poker	0.7646	0.0471	0.7646	0.5724	0.2416
polish-1st	0.9587	0.0413	0.9587	0.1566	0.5032
polish-2nd	0.9548	0.0452	0.9548	0.0289	0.5164
polish-3rd	0.9514	0.0486	0.9514	0.0646	0.3559
polish-4th	0.9582	0.0418	0.9582	0.4615	0.4369
polish-5th	0.9492	0.0508	0.9492	0.5883	0.5235
polya	0.6422	0.3578	0.6422	0.0034	0.5225
popularity	0.6315	0.2456	0.6315	0.0025	0.3208
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.8617	0.0553	0.8617	0.8269	0.1707
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.8171
primary-tumor	0.3939	0.0551	0.3939	0.3313	0.2636
profb	0.6866	0.3134	0.6866	0.0601	0.4545
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9489	0.0204	0.9489	0.9313	0.1068
pufs-6410%	0.5008	0.4992	0.5008	0.0019	0.9476
raisin	0.9111	0.0889	0.9111	0.8222	0.3993
re0-wc	0.7733	0.0349	0.7733	0.7003	0.2395
re1-wc	0.8313	0.0135	0.8313	0.8093	0.1494
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9981	0.0003	0.9981	0.9951	0.0052
satimage	0.8787	0.0404	0.8787	0.8503	0.1852
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.8989	0.1011	0.8989	0.0240	0.3137
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.4706	0.5294	0.4706	-0.0588	0.9565
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9524	0.0136	0.9524	0.9443	0.0544
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.0754	0.5299
sens-2-gram	0.8605	0.1395	0.8605	0.0641	0.5968
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sensorless	0.9607	0.0071	0.9607	0.9568	0.0488
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8856	0.1144	0.8856	0.4874	0.5753
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9674	0.0326	0.9674	0.9065	0.2749
smk_can_187	0.5789	0.4211	0.5789	0.1364	0.9011
solar-flare	0.7842	0.0719	0.7842	0.7259	0.2270
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9265	0.0077	0.9265	0.9192	0.0409
spambase	0.9109	0.0891	0.9109	0.8083	0.3470
spect	0.8148	0.1852	0.8148	0.4304	0.7152
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.5094	0.0204	0.5094	0.4829	0.1335
splice-EI	0.9811	0.0189	0.9811	0.9503	0.1652
splice-IE	0.9464	0.0536	0.9464	0.8522	0.3405
sport-articles	0.8300	0.1700	0.8300	0.6291	0.6155
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9846	0.0154	0.9846	0.7194	0.3544
steel_industry	0.8921	0.0719	0.8921	0.8254	0.2430
steel-k	0.9949	0.0051	0.9949	0.9841	0.0266
steel-o	0.7179	0.2821	0.7179	0.2779	0.7035
steel-p	0.9231	0.0769	0.9231	0.3623	0.5753
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.4615	0.3590	0.4615	0.1727	0.7242
student-weekend	0.3846	0.2462	0.3846	0.1333	0.7006
student-workday	0.6719	0.1313	0.6719	0.0845	0.4521
susy10%	0.7460	0.2540	0.7460	0.4905	0.7553
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	0.9883	0.0117	0.9883	0.9753	0.0923
tae	0.4667	0.3556	0.4667	0.2000	0.6597
Tdp_desc	0.7222	0.2778	0.7222	0.3182	0.7675
texture	0.9455	0.0099	0.9455	0.9399	0.0709
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.7577	0.2423	0.7577	0.0599	0.5350
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6098	0.1060
tox_171	0.7059	0.1471	0.7059	0.6136	0.1828
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	0.1168	0.8628
trec11-wc	0.7805	0.0488	0.7805	0.7372	0.1187
trec12-wc	0.8710	0.0323	0.8710	0.8462	0.0815

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7660	0.2453
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9355	0.0184	0.9355	0.9148	0.0923
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.8261	0.0348	0.8261	0.7967	0.1216
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7250	0.1375	0.7250	0.6333	0.3197
tvnews	0.7560	0.2440	0.7560	0.4071	0.6129
urban	0.7910	0.0464	0.7910	0.7550	0.1658
vehicle	0.7381	0.1310	0.7381	0.6515	0.2433
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.2500	0.8750
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.4848	0.0937	0.4848	0.4333	0.2866
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9087	0.0913	0.9087	0.0009	0.2486
wap-wc	0.7564	0.0244	0.7564	0.7272	0.1552
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9468	0.0229
watch-acc10%	0.8825	0.0336	0.8825	0.8626	0.0846
watch-gyr10%	0.8815	0.0338	0.8815	0.8616	0.0805
waveform	0.7280	0.1813	0.7280	0.5929	0.4619
web-phishing	0.8741	0.0840	0.8741	0.7783	0.3747
weight-lift	0.8504	0.0598	0.8504	0.8118	0.2285
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0343
wilt	0.9938	0.0062	0.9938	0.9329	0.1374
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6038	0.1321	0.6038	0.3379	0.4819
winequality-white	0.4744	0.1502	0.4744	0.0966	0.3690
winnipeg	0.9706	0.0084	0.9706	0.9627	0.0563
yale	0.5625	0.0583	0.5625	0.5314	0.1146
yeast	0.4662	0.1068	0.4662	0.3198	0.3787
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.8903	0.0219	0.8903	0.8771	0.1553
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 46: Detailed results for Vote-boosting(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0624	0.0647	0.0624	0.0034	0.6994
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9825	0.0175	0.9825	0.1216	0.2647
ads	0.9604	0.0396	0.9604	0.8245	0.2725
adult	0.8638	0.1362	0.8638	0.5855	0.5613
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.0625	0.7749
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	0.2217	0.4869
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9974	0.0026	0.9974	0.4177	0.0125
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.7000	0.3000	0.7000	0.2857	0.8453
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9941	0.0059	0.9941	0.1017	0.1596
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9694	0.0153	0.9694	0.9418	0.0955
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9638	0.0090	0.9638	0.9400	0.0659
anuran-species	0.9694	0.0061	0.9694	0.9575	0.0536
aps-failure	0.9889	0.0111	0.9889	0.5579	0.0810
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7778	0.0342	0.7778	0.6443	0.2362
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7450	0.0497
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.7834	0.0361	0.7834	0.7117	0.2454
balance	0.8387	0.1075	0.8387	0.7108	0.4197
bank	0.9094	0.0906	0.9094	0.4942	0.5845
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8226	0.1774	0.8226	0.5741	0.4427
basehock	0.9899	0.0100	0.9899	0.9799	0.0768
bio	0.9965	0.0035	0.9965	0.7633	0.1213
biodeg	0.8952	0.1048	0.8952	0.7789	0.4599
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9692	0.0000	0.9763	0.1508	0.3278
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9107	0.0893	0.9107	0.0433	0.2566
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9513	0.0905
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8451	0.0310	0.8451	0.8134	0.1762
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8504	0.2843
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6875	0.4235
cas_N6512_cdk_ECFP2	0.5591	0.4409	0.5591	0.0481	0.5808
cdc_diabetes	0.8478	0.1014	0.8478	0.1903	0.3217
census10%	0.9484	0.0466	0.9575	0.4362	0.3638
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8405	0.1669
ci100410h_MACCS	0.8438	0.1562	0.8438	0.3846	0.3145
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6574	0.5971
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5896	0.6206
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2978	0.7235
cirrhosis	0.7381	0.1746	0.7381	0.4677	0.4040
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8296	0.0852	0.8296	0.7314	0.3310
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5850	0.2766	0.5850	0.3597	0.6586
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0648
codon_usage	0.7429	0.0467	0.7429	0.6856	0.3320
coil20	0.9236	0.0076	0.9236	0.9196	0.0427
collins	0.7400	0.0347	0.7400	0.7132	0.1351
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.0684	0.9797
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9907	0.0062	0.9907	0.7485	0.1015
cottonmeloidogyne	0.5529	0.4471	0.5529	0.0985	0.6705
coupon	0.7153	0.2847	0.7153	0.4051	0.7914
covtype	0.7057	0.0841	0.7057	0.5114	0.2761
covtypeCD	0.9806	0.0194	0.9806	0.9167	0.1929
covtypeT	0.9753	0.0247	0.9753	0.8168	0.3785
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8839	0.0387	0.8839	0.7578	0.2579
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2188	0.0391	0.2188	0.1976	0.1348
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7222	0.2778	0.7222	0.3873	0.6049
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.6923	0.3077	0.6923	-0.1304	0.5140
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8260	0.1740	0.8260	0.3866	0.6303
deposit	0.8994	0.1006	0.8994	0.4483	0.6104
dermatology	0.9459	0.0180	0.9459	0.9322	0.0575
desharnais	0.8750	0.0833	0.8750	0.7838	0.2032
dexter	0.9500	0.0500	0.9500	0.9000	0.2614
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5887	0.2753	0.5917	0.1593	0.5237
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5566	0.4434	0.5566	0.0818	0.8764
dropout	0.7472	0.1685	0.7472	0.5542	0.3915
drug-01	0.3032	0.1991	0.3032	0.0941	0.7634
drug-02	0.4840	0.1474	0.4840	0.1563	0.6408
drug-03	0.6809	0.0912	0.6809	-0.0049	0.2706
drug-04	0.4415	0.1596	0.4415	0.0982	0.7341
drug-05	0.7234	0.0790	0.7234	-0.0143	0.2970
drug-06	0.3298	0.1915	0.3298	0.1597	0.6622
drug-07	0.2660	0.2097	0.2660	0.0257	0.7607
drug-08	0.5053	0.1413	0.5053	0.1084	0.6667
drug-09	0.8511	0.0426	0.8511	-0.0204	0.3205
drug-10	0.5213	0.1368	0.5213	0.1804	0.7344
drug-11	0.8511	0.0426	0.8511	0.0282	0.1219
drug-12	0.7766	0.0638	0.7766	-0.0203	0.3219
drug-13	0.5745	0.1216	0.5745	0.1315	0.4331
drug-14	0.5745	0.1216	0.5745	0.2941	0.5732
drug-15	0.7394	0.0745	0.7394	0.1448	0.5719
drug-16	0.5213	0.1368	0.5213	0.2215	0.6008
drug-17	0.2872	0.2036	0.2872	0.1054	0.7365
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9302	0.0199	0.9302	0.9155	0.1123
ecoli	0.7941	0.0515	0.7941	0.7062	0.1500
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1332	0.1083	0.1332	0.1090	0.5363
eeg-eye	0.5928	0.4072	0.5928	0.1029	0.5419
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2778	0.7583
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	-0.0403	0.6626
eucalyptus	0.7123	0.1151	0.7123	0.6272	0.2857
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9284	0.0716	0.9284	0.8562	0.3420
fbis-wc	0.7724	0.0268	0.7724	0.7408	0.1887
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.4500	0.1375	0.4500	0.2880	0.2211
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5484	0.0060	0.5243	0.5019	0.5663
forest	0.8654	0.0673	0.8654	0.8133	0.1624
gas	0.8886	0.0371	0.8886	0.8649	0.0936
gastrointestinal	0.7500	0.1667	0.7500	0.5949	0.4706
gender	0.5853	0.2765	0.5853	-0.0037	0.3634
gene	0.9495	0.0336	0.9495	0.9193	0.1531
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.8559	0.1441	0.8559	0.7107	0.4997
glass	0.7143	0.0952	0.7143	0.6123	0.3231
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.5189
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.7740	0.0377	0.7740	0.7390	0.2137
har70	0.8842	0.0298	0.9169	0.8671	0.1459
harth10%	0.8405	0.0254	0.8559	0.7782	0.2089
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8001	0.1999	0.8001	0.5996	0.6104
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higgs10%	0.5523	0.4477	0.5523	0.0525	0.5885
higher	0.3571	0.1607	0.3571	0.2410	0.3098
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.9005	0.0995	0.9005	0.6259	0.5393
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6389	0.2407	0.6389	0.3615	0.5853
htru2	0.9799	0.0201	0.9799	0.8765	0.2462
ht-sensor	0.6840	0.2107	0.6840	0.5349	0.3628
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1243	0.6306
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5533	0.0344	0.5533	0.5354	0.3197
jm1	0.8118	0.1882	0.8118	0.0767	0.4738
fvowels	0.8594	0.0312	0.8594	0.8405	0.1682
kc1	0.8673	0.1327	0.8673	0.3097	0.5233
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1250	0.0977
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3082	0.7873
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8724	0.0142	0.8724	0.8574	0.1575
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7905	0.0698	0.7905	0.7397	0.3127
la2s-wc	0.8079	0.0640	0.8079	0.7605	0.2604
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.6011	0.0785
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9250	0.0058	0.9250	0.9220	0.0864
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6126	0.1460
linkage10%	0.9823	0.0001	0.9901	1.0000	0.0215
liver	0.6471	0.3529	0.6471	0.0599	0.8908
localization	0.4793	0.0947	0.4793	0.3432	0.6646
lrs	0.7170	0.0566	0.7170	0.6214	0.2183
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.5346	0.4654	0.5346	0.0692	0.9039
magic04	0.7980	0.2020	0.7980	0.4999	0.5160

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7921	0.1386	0.7921	0.6842	0.4054
messidor	0.5652	0.4348	0.5652	0.1969	0.6961
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9050	0.0190	0.9050	0.8944	0.1071
mfeat-fou	0.6950	0.0610	0.6950	0.6611	0.2524
mfeat-kar	0.7850	0.0430	0.7850	0.7611	0.2308
mfeat-mor	0.7500	0.0500	0.7500	0.7222	0.1811
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0501
mfeat-zer	0.7400	0.0520	0.7400	0.7111	0.2107
mice-prot	0.8981	0.0255	0.8981	0.8834	0.1209
mines	0.5882	0.1647	0.5882	0.4798	0.3826
mobile	0.6469	0.0126	0.6469	0.6404	0.1574
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8924	0.1076	0.8924	0.4247	0.2430
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9908
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7345
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.6028	0.3972	0.6028	0.0800	0.5734
MUT_ci300400a_cdk_ECFP2	0.6031	0.3969	0.6031	0.0583	0.5426
myocardial	0.8882	0.0279	0.8882	0.4447	0.0915
naticusdroid	0.9485	0.0515	0.9485	0.8970	0.2557
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.9131	0.0093	0.9282	0.7537	0.4289
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9411	0.0589	0.9411	0.8573	0.3433
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0247	0.7427
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9010	0.0198	0.9010	0.8869	0.0964
oh10-wc	0.7810	0.0438	0.7810	0.7501	0.2255
oh15-wc	0.8043	0.0391	0.8043	0.7786	0.1934
oh5-wc	0.8352	0.0330	0.8352	0.8142	0.1592
opn310k	0.9117	0.0883	0.9117	0.0600	0.2430
opnat310k-hg16-17	0.9112	0.0888	0.9112	0.0541	0.2556
optdigits	0.9413	0.0117	0.9413	0.9347	0.0775
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7500	0.0125	0.7500	0.7436	0.0413
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9249	0.0751	0.9249	0.0821	0.3855
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8765	0.1851

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8867	0.1133	0.8867	0.7233	0.5202
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5619	0.4381	0.5619	-0.0367	0.7449
pd	0.8947	0.1053	0.8947	0.6863	0.3954
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9791	0.0042	0.9791	0.9767	0.0354
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8608	0.1392	0.8608	0.6818	0.5469
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7471	0.4811
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9673	0.0327	0.9673	0.9312	0.1929
phoneme	0.8148	0.1852	0.8148	0.5679	0.6678
phy	0.6324	0.3676	0.6324	0.2628	0.7945
pima	0.6974	0.3026	0.6974	0.3235	0.8000
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.9468	0.0104	0.9357	0.9038	0.0969
polish-1st	0.9758	0.0242	0.9758	0.5742	0.2841
polish-2nd	0.9577	0.0423	0.9577	0.0360	0.4216
polish-3rd	0.9505	0.0495	0.9505	0.0302	0.3606
polish-4th	0.9582	0.0418	0.9582	0.4485	0.4191
polish-5th	0.9594	0.0406	0.9594	0.5816	0.2134
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6315	0.2456	0.6315	0.0019	0.3100
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8201	0.0720	0.8201	0.7744	0.2381
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.8100
primary-tumor	0.4848	0.0468	0.4848	0.4293	0.2062
profb	0.6866	0.3134	0.6866	0.0881	0.6346
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8966	0.0414	0.8966	0.8593	0.1425
pufs-6410%	0.4995	0.5005	0.4995	-0.0011	0.9993
raisin	0.8667	0.1333	0.8667	0.7333	0.5178
re0-wc	0.6333	0.0564	0.6333	0.5558	0.4926
re1-wc	0.8133	0.0149	0.8133	0.7899	0.1762
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9973	0.0004	0.9973	0.9933	0.0058
satimage	0.8849	0.0384	0.8849	0.8578	0.1759
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.8974	0.1026	0.8974	-0.0031	0.3170
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6091	0.3909	0.6091	0.2719	0.5225
segment	0.9654	0.0099	0.9654	0.9595	0.0421
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-2-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sensorless	0.9403	0.0108	0.9403	0.9344	0.0529
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8905	0.1095	0.8905	0.5479	0.5912
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.8071	0.1898
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9917	0.0083	0.9917	0.9751	0.1115
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7770	0.0743	0.7770	0.7145	0.2180
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9516	0.0280
spambase	0.9326	0.0674	0.9326	0.8581	0.3295
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7835	0.4068
spectrometer	0.4151	0.0244	0.4151	0.3821	0.1657
splice-EI	0.9779	0.0221	0.9779	0.9422	0.1877
splice-IE	0.9527	0.0473	0.9527	0.8720	0.3238
sport-articles	0.8400	0.1600	0.8400	0.6606	0.5986
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8000	0.2000	0.8000	0.0997	0.4726
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8881	0.0746	0.8881	0.8189	0.2519
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7026	0.2974	0.7026	0.2037	0.6167
steel-p	0.9231	0.0769	0.9231	0.3135	0.5446
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1250	0.5973
student-weekend	0.4154	0.2338	0.4154	0.2106	0.6710
student-workday	0.6719	0.1313	0.6719	0.1396	0.3689
susy10%	0.7573	0.2427	0.7573	0.5014	0.6992
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5980
Tdp_desc	0.8889	0.1111	0.8889	0.6786	0.5467
texture	0.9709	0.0053	0.9709	0.9679	0.0411
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8714	0.1286	0.8714	0.6401	0.5642
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	0.0497	0.8879
trec11-wc	0.9024	0.0217	0.9024	0.8809	0.0926
trec12-wc	0.9355	0.0161	0.9355	0.9219	0.0418

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8639	0.0552
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0206
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0539
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0296
tuandromd	0.9843	0.0157	0.9843	0.9515	0.1548
turkish	0.7750	0.1125	0.7750	0.7000	0.2597
tvnews	0.8426	0.1574	0.8426	0.6459	0.5579
urban	0.7612	0.0531	0.7612	0.7214	0.2070
vehicle	0.7738	0.1131	0.7738	0.6911	0.2690
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.9070	0.0930	0.9070	0.8143	0.3926
vowel	0.5051	0.0900	0.5051	0.4556	0.2791
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9087	0.0913	0.9087	0.0009	0.2486
wap-wc	0.7692	0.0231	0.7692	0.7436	0.1898
warpar10p	0.6154	0.0769	0.6154	0.5724	0.1323
warppie10p	0.9048	0.0190	0.9048	0.8939	0.0371
watch-acc10%	0.8870	0.0323	0.8870	0.8679	0.0987
watch-gyr10%	0.8710	0.0369	0.8710	0.8493	0.1061
waveform	0.7860	0.1427	0.7860	0.6789	0.4496
web-phishing	0.8667	0.0889	0.8667	0.7625	0.3790
weight-lift	0.6344	0.1462	0.6344	0.5398	0.3218
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9896	0.0104	0.9896	0.8925	0.2660
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5157	0.1614	0.5157	0.2805	0.3422
winequality-white	0.3967	0.1724	0.3967	0.2039	0.6327
winnipeg	0.9752	0.0022	1.0000	0.9688	0.0220
yale	0.3750	0.0833	0.3750	0.3333	0.1504
yeast	0.5068	0.0986	0.5068	0.3764	0.5879
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.8172	0.0366	0.8172	0.7952	0.2099
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 47: Detailed results for BCEI(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1583	0.0580	0.1583	0.0729	0.5047
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9819	0.0181	0.9819	-0.0006	0.1621
ads	0.9604	0.0396	0.9604	0.8278	0.2989
adult	0.8628	0.1372	0.8628	0.5811	0.5622
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7619	0.2381	0.7619	0.0150	0.8330
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9985	0.0015	0.9985	-0.0007	0.5338
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6486	0.3514	0.6486	0.2634	0.8879
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9973	0.0027	0.9973	0.3801	0.0130
AID604AID644_AllRed	0.9992	0.0008	0.9992	0.2855	0.0047
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9652	0.0174	0.9652	0.9328	0.0863
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9666	0.0083	0.9666	0.9448	0.0938
anuran-species	0.9722	0.0056	0.9722	0.9613	0.0452
aps-failure	0.9904	0.0096	0.9904	0.6463	0.1450
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.6889	0.0479	0.6889	0.5139	0.2953
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8534	0.0244	0.8534	0.8014	0.0810
balance	0.7903	0.1398	0.7903	0.6399	0.3919
bank	0.9155	0.0845	0.9155	0.5709	0.5798
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8249	0.1751	0.8249	0.5939	0.5613
basehock	0.9698	0.0302	0.9698	0.9397	0.1709
bio	0.9964	0.0036	0.9964	0.7597	0.1400
biodeg	0.8952	0.1048	0.8952	0.7789	0.4599
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9870	0.0009	0.9870	0.2659	0.2122
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0351	0.9096
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9126	0.0874	0.9126	0.1013	0.3191
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8986	0.1014	0.8986	0.7928	0.4424
cardiotocography	0.8404	0.0319	0.8404	0.8084	0.1937
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7725	0.3497
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6930	0.3892
cas_N6512_cdk_ECFP2	0.5991	0.4009	0.5991	0.1549	0.8129
cdc_diabetes	0.8477	0.1015	0.8477	0.1732	0.3121
census10%	0.9509	0.0491	0.9509	0.3891	0.4057
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9070	0.0930	0.9070	0.8009	0.4261
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8668	0.1015
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3922	0.7879
cirrhosis	0.6905	0.2063	0.6905	0.3651	0.4391
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8389	0.0806	0.8389	0.7508	0.3552
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.6054	0.2630	0.6054	0.3762	0.6305
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0713
codon_usage	0.8181	0.0331	0.8181	0.7765	0.2166
coil20	0.9653	0.0035	0.9653	0.9634	0.0217
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.1256	0.9212
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.7931	0.2069	0.7931	0.4852	0.7092
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9882	0.0079	0.9882	0.6373	0.0253
cottonmeloidogyne	0.6202	0.3798	0.6202	0.2361	0.7673
coupon	0.7303	0.2697	0.7303	0.4413	0.7783
covtype	0.7451	0.0728	0.7451	0.5845	0.2779
covtypeCD	0.9886	0.0114	0.9886	0.9510	0.1235
covtypeT	0.9818	0.0182	0.9818	0.8591	0.2874
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5018	0.5260
crowdsourced	0.8977	0.0341	0.8977	0.7768	0.2068
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2932	0.1060
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7407	0.2593	0.7407	0.4514	0.7389
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8257	0.1743	0.8257	0.3867	0.6332
deposit	0.9007	0.0993	0.9007	0.4545	0.6051
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8667	0.1333	0.8667	0.7333	0.5139
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5642	0.6056
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5295	0.3137	0.5295	0.0126	0.5600
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0435	0.9771
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5638	0.4362	0.5638	0.1069	0.9291
dropout	0.7336	0.1776	0.7336	0.5555	0.5175
drug-01	0.3830	0.1763	0.3830	0.0250	0.4802
drug-02	0.5053	0.1413	0.5053	0.0725	0.5593
drug-03	0.6809	0.0912	0.6809	-0.0131	0.3242
drug-04	0.4894	0.1459	0.4894	0.0672	0.6542
drug-05	0.7287	0.0775	0.7287	0.0165	0.2941
drug-06	0.4096	0.1687	0.4096	0.2484	0.5477
drug-07	0.3830	0.1763	0.3830	-0.0510	0.4194
drug-08	0.5053	0.1413	0.5053	0.0262	0.6131
drug-09	0.8564	0.0410	0.8564	0.0713	0.2251
drug-10	0.5532	0.1277	0.5532	0.1091	0.4054
drug-11	0.8457	0.0441	0.8457	0.0954	0.3215
drug-12	0.7819	0.0623	0.7819	-0.0138	0.2921
drug-13	0.6064	0.1125	0.6064	0.2370	0.4144
drug-14	0.5798	0.1201	0.5798	0.1848	0.4755
drug-15	0.7553	0.0699	0.7553	0.1640	0.5434
drug-16	0.5479	0.1292	0.5479	0.1789	0.4251
drug-17	0.3564	0.1839	0.3564	0.1083	0.5560
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	-0.0145	0.4872
drybean	0.9236	0.0218	0.9236	0.9076	0.1273
ecoli	0.8529	0.0368	0.8529	0.7974	0.1292
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3452	0.0819	0.3452	0.2609	0.5071
eeg-eye	0.6041	0.3959	0.6041	0.1322	0.5934
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4636	0.7349
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6285	0.6082
er_tox_rdkit_FEATMORGAN	0.9194	0.0806	0.9194	0.8377	0.3748
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6986	0.1205	0.6986	0.6109	0.3374
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9322	0.0678	0.9322	0.8637	0.3245
fbis-wc	0.7317	0.0316	0.7317	0.6942	0.1902
fda.atompair_fp	0.5455	0.4545	0.5455	-0.2791	0.9704
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6774	0.1385
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4791	0.0066	0.4818	0.4516	0.2766
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9727	0.0091	0.9727	0.9669	0.0645
gastrointestinal	0.9375	0.0417	0.9375	0.9018	0.1379
gender	0.5895	0.2737	0.5895	0.0167	0.3892
gene	0.9306	0.0463	0.9306	0.8885	0.1922
german	0.6900	0.3100	0.6900	0.1969	0.7441
gina	0.8386	0.1614	0.8386	0.6765	0.5751
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4479	0.4633
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9094	0.0151	0.9094	0.8929	0.1002
har70	0.8876	0.0321	0.8876	0.8371	0.1382
harth10%	0.8594	0.0234	0.8594	0.8073	0.1604
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8110	0.1890	0.8110	0.6216	0.6005
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5592	0.4408	0.5592	0.0685	0.6164
higher	0.3571	0.1607	0.3571	0.2364	0.2732
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8870	0.1130	0.8870	0.5487	0.5584
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.6111	0.2593	0.6111	0.2621	0.5601
htru2	0.9782	0.0218	0.9782	0.8643	0.2453
ht-sensor	0.6810	0.2126	0.6810	0.5307	0.3569
hypothyroid	0.9947	0.0027	0.9947	0.9675	0.0098
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8549	0.0112	0.8549	0.8491	0.1165
jm1	0.8090	0.1910	0.8090	0.0956	0.5704
fvowels	0.9518	0.0107	0.9518	0.9454	0.0818
kc1	0.8626	0.1374	0.8626	0.3196	0.5977
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.4118	0.1257
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.1354	0.8442
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9176	0.0092	0.9176	0.9081	0.1078
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7556	0.0815	0.7556	0.6859	0.3219
la2s-wc	0.7517	0.0828	0.7517	0.6812	0.3598
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6314	0.0545
led24	0.5000	0.1000	0.5000	0.4444	0.2458
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9370	0.0048	0.9370	0.9345	0.0729
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8209	0.0652
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.5882	0.4118	0.5882	0.1019	0.9203
localization	0.5372	0.0841	0.5372	0.3572	0.3456
lrs	0.8302	0.0340	0.8302	0.7637	0.1215
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5294	0.2775
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1046
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0208
madelon	0.5000	0.5000	0.5000	0.0000	0.9962
magic04	0.8185	0.1815	0.8185	0.5614	0.5255

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.6348	0.3652	0.6348	0.2866	0.8476
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0583
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1819
mfeat-kar	0.9350	0.0130	0.9350	0.9278	0.0728
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2181
mfeat-pix	0.9300	0.0140	0.9300	0.9222	0.0853
mfeat-zer	0.7350	0.0530	0.7350	0.7056	0.1942
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4081	0.5056
mobile	0.8566	0.0051	0.8566	0.8540	0.0634
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8985	0.1015	0.8985	0.4690	0.2346
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4493	0.5507	0.4493	-0.1101	0.9900
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.7951
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4373	0.7936
MUT_ci300400a	0.6429	0.3571	0.6429	0.1923	0.6653
MUT_ci300400a_cdk_ECFP2	0.6487	0.3513	0.6487	0.1995	0.7214
myocardial	0.8824	0.0294	0.8824	0.4163	0.2111
naticusdroid	0.9502	0.0498	0.9502	0.9004	0.2539
nci9	0.5000	0.1111	0.5000	0.4194	0.0753
ncRNA10%	0.9146	0.0090	0.9146	0.7467	0.2158
newspop	0.5328	0.4672	0.5328	0.0021	0.5748
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9573	0.0427	0.9573	0.8952	0.2653
NPHA-doctor-visits	0.3889	0.4074	0.3889	-0.0754	0.8238
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.8515	0.0297	0.8515	0.8301	0.1462
oh10-wc	0.7238	0.0552	0.7238	0.6822	0.2343
oh15-wc	0.8261	0.0348	0.8261	0.8016	0.1737
oh5-wc	0.7473	0.0505	0.7473	0.7136	0.2061
opn310k	0.9141	0.0859	0.9141	0.1127	0.2702
opnat310k-hg16-17	0.9137	0.0863	0.9137	0.1214	0.3164
optdigits	0.9502	0.0100	0.9502	0.9446	0.0702
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6250	0.0187	0.6250	0.6154	0.0671
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	0.1349	0.5847
ozone8hr	0.9289	0.0711	0.9289	0.1647	0.3724
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9799	0.0080	0.9799	0.8897	0.1865

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8864	0.1136	0.8864	0.7056	0.4912
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.4794	0.5206	0.4794	-0.0538	1.0000
pd	0.7763	0.2237	0.7763	0.4516	0.7334
pediatric-leukemia	0.7353	0.0756	0.7353	0.6710	0.2323
pendigits	0.9836	0.0033	0.9836	0.9818	0.0282
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5676	0.6439
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6832	0.5704
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9837	0.0163	0.9837	0.9656	0.1063
phoneme	0.8407	0.1593	0.8407	0.6392	0.5983
phy	0.6314	0.3686	0.6314	0.2609	0.8145
pima	0.6974	0.3026	0.6974	0.3150	0.7801
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7922	0.0416	0.7922	0.6144	0.1865
polish-1st	0.9758	0.0242	0.9758	0.5536	0.2106
polish-2nd	0.9646	0.0354	0.9646	0.2949	0.3808
polish-3rd	0.9457	0.0543	0.9457	0.0771	0.5469
polish-4th	0.9551	0.0449	0.9551	0.4417	0.4912
polish-5th	0.9594	0.0406	0.9594	0.6162	0.3491
polya	0.6551	0.3449	0.6551	0.0636	0.6230
popularity	0.6303	0.2465	0.6303	0.0029	0.3615
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9232	0.0307	0.9232	0.9039	0.1269
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.9134
primary-tumor	0.3636	0.0579	0.3636	0.2936	0.2806
profb	0.7761	0.2239	0.7761	0.4181	0.6258
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9445	0.0222	0.9445	0.9252	0.1023
pufs-6410%	0.4991	0.5009	0.4991	-0.0018	1.0000
raisin	0.8667	0.1333	0.8667	0.7333	0.5084
re0-wc	0.7600	0.0369	0.7600	0.6839	0.2711
re1-wc	0.8133	0.0149	0.8133	0.7847	0.1293
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5893	0.4107	0.5893	-0.0006	0.6181
RT_IOT2022	0.9986	0.0002	0.9986	0.9965	0.0027
satimage	0.8849	0.0384	0.8849	0.8579	0.1814
satimageF	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5294	0.4706	0.5294	0.0588	0.9823
secom	0.9167	0.0833	0.9167	0.0946	0.6614
secondary_mushroom	0.6794	0.3206	0.6794	0.3940	0.5122
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9380	0.0620	0.9380	0.1046	0.1594
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-2-gram	0.8658	0.1342	0.8658	0.1223	0.5839
sens-3-gram	0.8579	0.1421	0.8579	0.0339	0.6032
sens-4-gram	0.8526	0.1474	0.8526	-0.0019	0.6363
sensorless	0.9877	0.0022	0.9877	0.9865	0.0223
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8865	0.1135	0.8865	0.5663	0.6140
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9761	0.0239	0.9761	0.7958	0.3118
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9838	0.0162	0.9838	0.9522	0.1778
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7770	0.0743	0.7770	0.7142	0.2073
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9412	0.0062	0.9412	0.9354	0.0353
spambase	0.9239	0.0761	0.9239	0.8386	0.3445
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9429	0.0571	0.9429	0.8600	0.3290
spectrometer	0.5660	0.0181	0.5660	0.5419	0.1103
splice-EI	0.9748	0.0252	0.9748	0.9337	0.2013
splice-IE	0.9527	0.0473	0.9527	0.8696	0.3131
sport-articles	0.8300	0.1700	0.8300	0.6374	0.6209
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.1231	0.5404
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8898	0.0734	0.8898	0.8213	0.2486
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7128	0.2872	0.7128	0.2499	0.6662
steel-p	0.9179	0.0821	0.9179	0.2948	0.5925
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.5385	0.3077	0.5385	0.2778	0.5861
student-weekend	0.2923	0.2831	0.2923	0.0037	0.7470
student-workday	0.7188	0.1125	0.7188	0.2115	0.4048
susy10%	0.7631	0.2369	0.7631	0.5146	0.7008
swarm_aligned	0.9786	0.0000	1.0000	0.9754	0.0000
swarm_flocking	1.0000	0.0004	1.0000	0.9752	0.0047
swarm_grouped	0.9903	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6480
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9691	0.0056	0.9691	0.9659	0.0447
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8788	0.1212	0.8788	0.6537	0.5279
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	-0.0628	0.8856
trec11-wc	0.8537	0.0325	0.8537	0.8178	0.0922
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9091	0.0182	0.9091	0.8875	0.0794
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0252
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8250	0.0875	0.8250	0.7667	0.2506
tvnews	0.8102	0.1898	0.8102	0.5564	0.5655
urban	0.8358	0.0365	0.8358	0.8066	0.1400
vehicle	0.8214	0.0893	0.8214	0.7579	0.2009
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6263	0.0680	0.6263	0.5889	0.2004
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9083	0.0917	0.9083	0.0002	0.2721
wap-wc	0.8013	0.0199	0.8013	0.7767	0.1261
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9361	0.0183	0.9361	0.9253	0.0478
watch-gyr10%	0.9338	0.0189	0.9338	0.9226	0.0440
waveform	0.7560	0.1627	0.7560	0.6341	0.4836
web-phishing	0.8815	0.0790	0.8815	0.7910	0.3533
weight-lift	0.8869	0.0452	0.8869	0.8570	0.1790
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0385
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6352	0.1216	0.6352	0.4002	0.3892
winequality-white	0.4969	0.1437	0.4969	0.1412	0.4171
winnipeg	0.9917	0.0063	0.9753	0.9708	0.0483
yale	0.6875	0.0417	0.6875	0.6639	0.0737
yeast	0.5541	0.0892	0.5541	0.4320	0.4355
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9118	0.0176	0.9118	0.9012	0.1326
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 48: Detailed results for BCEI(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1175	0.0609	0.1175	0.0354	0.4711
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9819	0.0181	0.9819	0.0316	0.2238
ads	0.9604	0.0396	0.9604	0.8278	0.2989
adult	0.8638	0.1362	0.8638	0.5838	0.5579
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7619	0.2381	0.7619	0.0150	0.8330
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	0.2217	0.4869
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.7297	0.2703	0.7297	0.4272	0.7843
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.2496	0.3797
AID644Morered	0.7000	0.3000	0.7000	0.2857	0.8453
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9941	0.0059	0.9941	0.1017	0.1596
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9722	0.0139	0.9722	0.9467	0.0644
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9666	0.0083	0.9666	0.9445	0.0923
anuran-species	0.9819	0.0036	0.9819	0.9749	0.0314
aps-failure	0.9900	0.0100	0.9900	0.6369	0.1982
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7556	0.0376	0.7556	0.6154	0.2945
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8323	0.0280	0.8323	0.7728	0.1029
balance	0.8065	0.1290	0.8065	0.6646	0.3512
bank	0.9172	0.0828	0.9172	0.5759	0.5729
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8249	0.1751	0.8249	0.5951	0.5681
basehock	0.9548	0.0452	0.9548	0.9096	0.2353
bio	0.9963	0.0037	0.9963	0.7482	0.1414
biodeg	0.8952	0.1048	0.8952	0.7789	0.4599
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9868	0.0009	0.9868	0.1797	0.1858
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7500	0.2500	0.7500	0.4096	0.7758
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9125	0.0875	0.9125	0.0953	0.3080
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8826	0.0235	0.8826	0.8593	0.1430
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8087	0.2985
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5804	0.3864
cas_N6512_cdk_ECFP2	0.6052	0.3948	0.6052	0.1700	0.8200
cdc_diabetes	0.8489	0.1008	0.8489	0.1757	0.3059
census10%	0.9525	0.0475	0.9525	0.3989	0.3589
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8638	0.1159
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6788	0.5564
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6632	0.3368	0.6632	0.2346	0.8646
cirrhosis	0.7619	0.1587	0.7619	0.5249	0.3828
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8324	0.0838	0.8324	0.7378	0.3578
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5442	0.3039	0.5442	0.2838	0.6937
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0657
codon_usage	0.8304	0.0308	0.8304	0.7925	0.2086
coil20	0.9583	0.0042	0.9583	0.9561	0.0253
collins	0.9400	0.0080	0.9400	0.9339	0.0232
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.5172	0.4828	0.5172	-0.1033	0.9975
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6552	0.3448	0.6552	0.2961	0.7083
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9948	0.0035	0.9948	0.8752	0.0120
cottonmeloidogyne	0.6298	0.3702	0.6298	0.2563	0.8162
coupon	0.7453	0.2547	0.7453	0.4718	0.7537
covtype	0.7370	0.0751	0.7370	0.5708	0.2826
covtypeCD	0.9901	0.0099	0.9901	0.9574	0.1039
covtypeT	0.9823	0.0177	0.9823	0.8617	0.2708
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2129	0.7253
crowdsourced	0.9032	0.0323	0.9032	0.7902	0.2542
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3581	0.1124
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7593	0.2407	0.7593	0.4876	0.6885
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8247	0.1753	0.8247	0.3852	0.6394
deposit	0.8996	0.1004	0.8996	0.4520	0.6106
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9167	0.0833	0.9167	0.8333	0.3792
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5642	0.6056
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5187	0.3209	0.5187	-0.0093	0.5637
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5703	0.4297	0.5703	0.1192	0.9182
dropout	0.7336	0.1776	0.7336	0.5413	0.4915
drug-01	0.4043	0.1702	0.4043	0.0378	0.4928
drug-02	0.5213	0.1368	0.5213	0.0742	0.4766
drug-03	0.6755	0.0927	0.6755	-0.0219	0.2826
drug-04	0.5319	0.1337	0.5319	0.0923	0.5353
drug-05	0.7287	0.0775	0.7287	0.0417	0.2646
drug-06	0.3883	0.1748	0.3883	0.2232	0.5982
drug-07	0.3723	0.1793	0.3723	-0.0692	0.4968
drug-08	0.5426	0.1307	0.5426	0.0895	0.5855
drug-09	0.8511	0.0426	0.8511	-0.0182	0.4188
drug-10	0.5266	0.1353	0.5266	0.0393	0.4498
drug-11	0.8457	0.0441	0.8457	0.0968	0.4424
drug-12	0.7713	0.0654	0.7713	-0.0265	0.3386
drug-13	0.6117	0.1109	0.6117	0.2300	0.4049
drug-14	0.5851	0.1185	0.5851	0.1960	0.4757
drug-15	0.7553	0.0699	0.7553	0.0805	0.3148
drug-16	0.5585	0.1261	0.5585	0.2244	0.4018
drug-17	0.3511	0.1854	0.3511	0.0907	0.5789
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7660	0.0669	0.7660	-0.0060	0.2613
drybean	0.9339	0.0189	0.9339	0.9200	0.1096
ecoli	0.8235	0.0441	0.8235	0.7560	0.1522
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3179	0.0853	0.3179	0.2241	0.5052
eeg-eye	0.6075	0.3925	0.6075	0.1404	0.5978
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4510	0.7177
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8689	0.1311	0.8689	0.7028	0.5263
er_tox_rdkit_FEATMORGAN	0.9194	0.0806	0.9194	0.8377	0.3748
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6712	0.1315	0.6712	0.5737	0.3320
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9333	0.0667	0.9333	0.8659	0.3213
fbis-wc	0.7846	0.0253	0.7846	0.7556	0.1709
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3500	0.1625	0.3500	0.1720	0.2943
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4844	0.0069	0.4905	0.4529	0.2872
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9799	0.0067	0.9799	0.9756	0.0464
gastrointestinal	0.8750	0.0833	0.8750	0.8072	0.2544
gender	0.5853	0.2765	0.5853	0.0053	0.3963
gene	0.9495	0.0336	0.9495	0.9192	0.1551
german	0.6700	0.3300	0.6700	0.1582	0.8151
gina	0.8415	0.1585	0.8415	0.6820	0.5560
glass	0.8571	0.0476	0.8571	0.8062	0.1657
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6400	0.3261
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6829	0.5779
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4545	0.4004
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9048	0.0159	0.9048	0.8874	0.1079
har70	0.9088	0.0227	0.9163	0.8892	0.1200
harth10%	0.8788	0.0221	0.8852	0.8057	0.1543
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8126	0.1874	0.8126	0.6247	0.6011
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5587	0.4413	0.5587	0.0675	0.6127
higher	0.2857	0.1786	0.2857	0.1566	0.2750
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8887	0.1113	0.8887	0.5574	0.5545
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6667	0.2222	0.6667	0.3820	0.5244
htru2	0.9771	0.0229	0.9771	0.8581	0.2638
ht-sensor	0.7892	0.1406	0.7892	0.6862	0.3726
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7343	0.0204	0.7343	0.7236	0.2076
jm1	0.8099	0.1901	0.8099	0.0975	0.5597
fvowels	0.9327	0.0149	0.9327	0.9237	0.1003
kc1	0.8578	0.1422	0.8578	0.2846	0.6080
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1923	0.1613
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.0691	0.8541
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9244	0.0084	0.9244	0.9156	0.1080
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7905	0.0698	0.7905	0.7278	0.2447
la2s-wc	0.8046	0.0651	0.8046	0.7458	0.2167
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6308	0.0789
led24	0.6500	0.0700	0.6500	0.6067	0.1668
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9265	0.0057	0.9265	0.9235	0.0844
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0864
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6765	0.3235	0.6765	0.3100	0.8329
localization	0.5169	0.0878	0.5169	0.3294	0.3924
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5346	0.4654	0.5346	0.0692	0.9671
magic04	0.8175	0.1825	0.8175	0.5602	0.5386

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7446	0.3750
messidor	0.6522	0.3478	0.6522	0.3294	0.7857
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9234	0.0743
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0710
mfeat-fou	0.7350	0.0530	0.7350	0.7056	0.2387
mfeat-kar	0.8700	0.0260	0.8700	0.8556	0.1523
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.1989
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0370
mfeat-zer	0.7350	0.0530	0.7350	0.7056	0.2036
mice-prot	0.9815	0.0046	0.9815	0.9788	0.0235
mines	0.4412	0.2235	0.4412	0.2978	0.5640
mobile	0.7832	0.0077	0.7832	0.7793	0.0998
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8985	0.1015	0.8985	0.4690	0.2346
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9913
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.8359
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4690	0.7682
MUT_ci300400a	0.6366	0.3634	0.6366	0.1771	0.6757
MUT_ci300400a_cdk_ECFP2	0.6391	0.3609	0.6391	0.1732	0.7180
myocardial	0.8882	0.0279	0.8882	0.4447	0.0915
naticusdroid	0.9506	0.0494	0.9506	0.9011	0.2522
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.9179	0.0086	0.9179	0.7588	0.2453
newspop	0.5341	0.4659	0.5341	0.0048	0.5655
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9550	0.0450	0.9550	0.8895	0.2758
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0877	0.7529
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.8911	0.0218	0.8911	0.8750	0.1055
oh10-wc	0.7333	0.0533	0.7333	0.6955	0.2287
oh15-wc	0.7717	0.0457	0.7717	0.7406	0.2051
oh5-wc	0.7912	0.0418	0.7912	0.7653	0.1872
opn310k	0.9133	0.0867	0.9133	0.0944	0.2621
opnat310k-hg16-17	0.9135	0.0865	0.9135	0.1153	0.3094
optdigits	0.9573	0.0085	0.9573	0.9525	0.0579
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7750	0.0112	0.7750	0.7692	0.0385
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9289	0.0711	0.9289	0.1647	0.3724
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9799	0.0080	0.9799	0.8879	0.3013

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8858	0.1142	0.8858	0.7038	0.4924
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5103	0.4897	0.5103	-0.0157	0.9946
pd	0.8289	0.1711	0.8289	0.5667	0.6615
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9909	0.0018	0.9909	0.9899	0.0170
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6478	0.5885
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9269
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7143	0.5399
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.4898	0.7465
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9837	0.0163	0.9837	0.9656	0.1063
phoneme	0.8204	0.1796	0.8204	0.5996	0.6256
phy	0.6378	0.3622	0.6378	0.2775	0.7856
pima	0.7368	0.2632	0.7368	0.4154	0.7389
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7629	0.0442	0.7856	0.5770	0.1739
polish-1st	0.9744	0.0256	0.9744	0.5593	0.3435
polish-2nd	0.9607	0.0393	0.9607	0.0844	0.3117
polish-3rd	0.9476	0.0524	0.9476	0.0541	0.4921
polish-4th	0.9561	0.0439	0.9561	0.4605	0.4866
polish-5th	0.9526	0.0474	0.9526	0.5261	0.3739
polya	0.6497	0.3503	0.6497	0.0497	0.6520
popularity	0.6313	0.2458	0.6313	0.0050	0.3590
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9350	0.0260	0.9350	0.9186	0.1277
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8906
primary-tumor	0.3333	0.0606	0.3333	0.2614	0.2685
profb	0.7313	0.2687	0.7313	0.3285	0.7821
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9572	0.0171	0.9572	0.9422	0.0755
pufs-6410%	0.4997	0.5003	0.4997	-0.0007	1.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4596
re0-wc	0.6800	0.0492	0.6800	0.5590	0.3368
re1-wc	0.8133	0.0149	0.8133	0.7863	0.1449
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5878	0.4122	0.5878	-0.0034	0.6318
RT_IOT2022	0.9989	0.0002	0.9989	0.9973	0.0033
satimage	0.8740	0.0420	0.8740	0.8444	0.2029
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9167	0.0833	0.9167	0.0946	0.6614
secondary_mushroom	0.6802	0.3198	0.6802	0.3955	0.5099
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0927	0.3832
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-2-gram	0.8658	0.1342	0.8658	0.1440	0.6038
sens-3-gram	0.8553	0.1447	0.8553	0.0288	0.6297
sens-4-gram	0.8553	0.1447	0.8553	0.0029	0.6097
sensorless	0.9913	0.0016	0.9913	0.9904	0.0166
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8848	0.1152	0.8848	0.5582	0.6182
shuttle	0.9998	0.0000	0.9998	0.9995	0.0322
sick	0.9814	0.0186	0.9814	0.8412	0.2443
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9842	0.0158	0.9842	0.9534	0.1747
smk_can_187	0.5263	0.4737	0.5263	0.0552	0.9801
solar-flare	0.7626	0.0791	0.7626	0.6958	0.2055
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9217	0.0783	0.9217	0.8335	0.3444
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5283	0.0197	0.5283	0.5019	0.1249
splice-EI	0.9748	0.0252	0.9748	0.9331	0.1912
splice-IE	0.9495	0.0505	0.9495	0.8603	0.3234
sport-articles	0.8300	0.1700	0.8300	0.6374	0.6209
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.1231	0.5404
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8904	0.0731	0.8904	0.8224	0.2445
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7231	0.2769	0.7231	0.2708	0.5995
steel-p	0.9231	0.0769	0.9231	0.3135	0.5446
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.5385	0.3077	0.5385	0.2642	0.5598
student-weekend	0.3385	0.2646	0.3385	0.0748	0.6927
student-workday	0.7188	0.1125	0.7188	0.1742	0.3360
susy10%	0.7628	0.2372	0.7628	0.5138	0.6996
swarm_aligned	1.0000	0.0000	0.9885	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9804	0.9802	0.0047
swarm_grouped	1.0000	0.0000	0.9977	0.9999	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.8333	0.1667	0.8333	0.5574	0.6583
texture	0.9727	0.0050	0.9727	0.9699	0.0401
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8758	0.1242	0.8758	0.6452	0.5375
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	0.0072	0.8694
trec11-wc	0.9268	0.0163	0.9268	0.9105	0.0698
trec12-wc	0.9032	0.0242	0.9032	0.8843	0.0700

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8047	0.1465
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9434	0.0425
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8500	0.0750	0.8500	0.8000	0.1922
tvnews	0.8060	0.1940	0.8060	0.5461	0.5744
urban	0.8209	0.0398	0.8209	0.7902	0.1513
vehicle	0.7976	0.1012	0.7976	0.7262	0.2096
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5657	0.0790	0.5657	0.5222	0.2506
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9084	0.0916	0.9084	0.0038	0.2771
wap-wc	0.6987	0.0301	0.6987	0.6610	0.1904
warpar10p	0.6154	0.0769	0.6154	0.5695	0.1120
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9663	0.0096	0.9663	0.9606	0.0423
watch-gyr10%	0.9484	0.0147	0.9484	0.9397	0.0507
waveform	0.7560	0.1627	0.7560	0.6343	0.4782
web-phishing	0.8815	0.0790	0.8815	0.7892	0.3223
weight-lift	0.8833	0.0467	0.8833	0.8529	0.1761
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6541	0.1153	0.6541	0.4347	0.3595
winequality-white	0.5092	0.1402	0.5092	0.1670	0.4392
winnipeg	0.9607	0.0062	0.9858	0.9818	0.0494
yale	0.4375	0.0750	0.4375	0.4000	0.1392
yeast	0.5405	0.0919	0.5405	0.4073	0.3842
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.8817	0.0237	0.8817	0.8676	0.1553
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 49: Detailed results for WeightBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1415	0.0592	0.1415	0.0549	0.4951
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9809	0.0191	0.9809	0.0284	0.3504
ads	0.9604	0.0396	0.9604	0.8245	0.2725
adult	0.8626	0.1374	0.8626	0.5776	0.5567
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6757	0.3243	0.6757	0.3127	0.8572
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9975	0.0025	0.9975	0.4537	0.0121
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9938	0.0062	0.9938	-0.0003	0.1661
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8308	0.1692	0.8308	0.5119	0.6792
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9708	0.0146	0.9708	0.9439	0.0835
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9611	0.0097	0.9611	0.9352	0.0776
anuran-species	0.9625	0.0075	0.9625	0.9476	0.0569
aps-failure	0.9903	0.0097	0.9903	0.6364	0.1254
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7111	0.0444	0.7111	0.5565	0.2712
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8361	0.0273	0.8361	0.7768	0.0837
balance	0.8065	0.1290	0.8065	0.6603	0.4081
bank	0.9145	0.0855	0.9145	0.5433	0.5752
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8295	0.1705	0.8295	0.5986	0.5027
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9962	0.0038	0.9962	0.7424	0.1420
biodeg	0.8857	0.1143	0.8857	0.7600	0.4858
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9872	0.0009	0.9872	0.2534	0.3471
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7500	0.2500	0.7500	0.4096	0.7758
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9115	0.0885	0.9115	0.0609	0.2658
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	1.0000	0.0000	1.0000	1.0000	0.0000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.9130	0.0870	0.9130	0.8232	0.3960
cardiotocography	0.8404	0.0319	0.8404	0.8081	0.1897
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8298	0.2323
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5982	0.4650
cas_N6512_cdk_ECFP2	0.6068	0.3932	0.6068	0.1658	0.7380
cdc_diabetes	0.8490	0.1007	0.8490	0.1645	0.2969
census10%	0.9502	0.0498	0.9502	0.3423	0.3488
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8580	0.0869
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6857	0.5682
ci200186m_DESC_PADEL	0.9259	0.0741	0.9259	0.8412	0.3657
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5896	0.6206
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3380	0.8127
cirrhosis	0.7619	0.1587	0.7619	0.5161	0.3788
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8324	0.0838	0.8324	0.7410	0.3620
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5918	0.2721	0.5918	0.3598	0.6640
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0629
codon_usage	0.8549	0.0264	0.8549	0.8218	0.1687
coil20	0.9514	0.0049	0.9514	0.9488	0.0287
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6207	0.3793	0.6207	0.1671	0.8893
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9864	0.0091	0.9864	0.5598	0.0283
cottonmeloidogyne	0.6178	0.3822	0.6178	0.2314	0.7814
coupon	0.7216	0.2784	0.7216	0.4227	0.7903
covtype	0.7207	0.0798	0.7207	0.5395	0.2852
covtypeCD	0.9896	0.0104	0.9896	0.9554	0.1195
covtypeT	0.9818	0.0182	0.9818	0.8611	0.3002
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9097	0.0301	0.9097	0.8079	0.1918
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3574	0.0956
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7593	0.2407	0.7593	0.4753	0.5747
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8267	0.1733	0.8267	0.3866	0.6243
deposit	0.8980	0.1020	0.8980	0.4315	0.6113
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9167	0.0833	0.9167	0.8333	0.3792
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5383	0.3078	0.5383	0.0095	0.4247
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-standford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5780	0.4220	0.5780	0.1376	0.9219
dropout	0.7359	0.1761	0.7359	0.5550	0.5069
drug-01	0.3989	0.1717	0.3989	0.0197	0.4070
drug-02	0.5106	0.1398	0.5106	0.0678	0.4157
drug-03	0.6809	0.0912	0.6809	-0.0131	0.3242
drug-04	0.5053	0.1413	0.5053	0.0339	0.5546
drug-05	0.7181	0.0805	0.7181	-0.0204	0.3260
drug-06	0.3989	0.1717	0.3989	0.2317	0.5322
drug-07	0.3830	0.1763	0.3830	-0.0616	0.4053
drug-08	0.5479	0.1292	0.5479	0.0780	0.5034
drug-09	0.8617	0.0395	0.8617	-0.0076	0.1838
drug-10	0.5479	0.1292	0.5479	0.0730	0.3765
drug-11	0.8404	0.0456	0.8404	0.0874	0.3335
drug-12	0.7819	0.0623	0.7819	-0.0138	0.2921
drug-13	0.6117	0.1109	0.6117	0.1874	0.3685
drug-14	0.5851	0.1185	0.5851	0.2018	0.4742
drug-15	0.7287	0.0775	0.7287	0.0468	0.5886
drug-16	0.5904	0.1170	0.5904	0.2839	0.3819
drug-17	0.3830	0.1763	0.3830	0.1372	0.4990
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7500	0.0714	0.7500	-0.0254	0.4364
drybean	0.9251	0.0214	0.9251	0.9093	0.1235
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3355	0.0831	0.3355	0.2481	0.4720
eeg-eye	0.6001	0.3999	0.6001	0.1221	0.5829
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2778	0.7583
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5294	0.6440
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.3754	0.5647
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.8061	0.4212
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7123	0.1151	0.7123	0.6268	0.3266
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9408	0.0592	0.9408	0.8811	0.2948
fbis-wc	0.7439	0.0301	0.7439	0.7054	0.1924
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5513	0.1874
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4768	0.0066	0.4967	0.4473	0.2835
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9741	0.0086	0.9741	0.9686	0.0618
gastrointestinal	0.9375	0.0417	0.9375	0.9018	0.1379
gender	0.5874	0.2751	0.5874	0.0040	0.3656
gene	0.9274	0.0484	0.9274	0.8837	0.2100
german	0.6600	0.3400	0.6600	0.1260	0.8246
gina	0.8501	0.1499	0.8501	0.6994	0.5370
glass	0.7619	0.0794	0.7619	0.6635	0.2131
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4479	0.4633
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9231	0.0128	0.9231	0.9091	0.0896
har70	0.9349	0.0225	0.9278	0.8870	0.1204
harth10%	0.8597	0.0234	0.8597	0.8077	0.1534
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4295	0.7316
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8105	0.1895	0.8105	0.6206	0.6088
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5610	0.4390	0.5610	0.0729	0.6226
higher	0.2857	0.1786	0.2857	0.1250	0.3032
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8954	0.1046	0.8954	0.5439	0.4281
hiva	0.9622	0.0378	0.9622	0.1856	0.5048
horse	0.6389	0.2407	0.6389	0.3227	0.5430
htru2	0.9771	0.0229	0.9771	0.8573	0.2568
ht-sensor	0.6744	0.2171	0.6744	0.5210	0.3644
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7458	0.2542	0.7458	0.2324	0.6991
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8537	0.0113	0.8537	0.8478	0.1225
jm1	0.8118	0.1882	0.8118	0.0767	0.4738
fvowels	0.9388	0.0136	0.9388	0.9306	0.0962
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3333	0.1603
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.9066	0.0104	0.9066	0.8957	0.1241
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8095	0.0635	0.8095	0.7576	0.2578
la2s-wc	0.7815	0.0728	0.7815	0.7183	0.2678
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6311	0.0553
led24	0.5500	0.0900	0.5500	0.4958	0.1995
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9290	0.0055	0.9290	0.9261	0.0807
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7910	0.0878
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.6765	0.3235	0.6765	0.2429	0.8721
localization	0.5175	0.0877	0.5175	0.3241	0.3306
lrs	0.8302	0.0340	0.8302	0.7633	0.1198
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5294	0.2669
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4654	0.5346	0.4654	-0.0692	1.0000
magic04	0.7985	0.2015	0.7985	0.5014	0.5155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6031	0.6609
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7446	0.3750
messidor	0.6609	0.3391	0.6609	0.3476	0.7637
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0861
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1524
mfeat-kar	0.9300	0.0140	0.9300	0.9222	0.0824
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.1966
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.1047
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2189
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5551	0.3635
mobile	0.8357	0.0059	0.8357	0.8327	0.0731
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8894	0.1106	0.8894	0.4018	0.2472
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7489
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4690	0.7682
MUT_ci300400a	0.6266	0.3734	0.6266	0.1480	0.6445
MUT_ci300400a_cdk_ECFP2	0.6235	0.3765	0.6235	0.1235	0.6596
myocardial	0.8765	0.0309	0.8765	0.4015	0.2179
naticusdroid	0.9478	0.0522	0.9478	0.8957	0.2593
nci9	0.3333	0.1481	0.3333	0.2258	0.1321
ncRNA10%	0.9102	0.0095	0.9102	0.7277	0.1538
newspop	0.5328	0.4672	0.5328	0.0018	0.5626
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9507	0.0493	0.9507	0.8793	0.2985
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0052	0.7817
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9756	0.1032
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.8416	0.0317	0.8416	0.8183	0.1536
oh10-wc	0.7524	0.0495	0.7524	0.7154	0.2140
oh15-wc	0.7609	0.0478	0.7609	0.7257	0.2139
oh5-wc	0.7253	0.0549	0.7253	0.6884	0.2226
opn310k	0.9119	0.0881	0.9119	0.0636	0.2427
opnat310k-hg16-17	0.9120	0.0880	0.9120	0.0748	0.2696
optdigits	0.9520	0.0096	0.9520	0.9466	0.0703
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6250	0.0187	0.6250	0.6154	0.0669
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	0.1349	0.5847
ozone8hr	0.9091	0.0909	0.9091	0.0456	0.6418
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8742	0.1693

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8961	0.1039	0.8961	0.7350	0.4743
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5567	0.4433	0.5567	-0.0182	0.8816
pd	0.8421	0.1579	0.8421	0.5294	0.6004
pediatric-leukemia	0.7059	0.0840	0.7059	0.6391	0.2969
pendigits	0.9791	0.0042	0.9791	0.9767	0.0353
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5676	0.6439
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9269
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7160	0.5090
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3000	0.8743
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9796	0.0204	0.9796	0.9573	0.1420
phoneme	0.8074	0.1926	0.8074	0.5556	0.6751
phy	0.6268	0.3732	0.6268	0.2514	0.7874
pima	0.6974	0.3026	0.6974	0.3150	0.7801
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7486	0.0503	0.7486	0.5293	0.1895
polish-1st	0.9758	0.0242	0.9758	0.5536	0.2106
polish-2nd	0.9607	0.0393	0.9607	0.0440	0.2395
polish-3rd	0.9495	0.0505	0.9495	0.0279	0.4040
polish-4th	0.9582	0.0418	0.9582	0.4485	0.4191
polish-5th	0.9560	0.0440	0.9560	0.5600	0.3265
polya	0.6476	0.3524	0.6476	0.0309	0.5878
popularity	0.6313	0.2458	0.6313	0.0035	0.3402
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9417	0.0233	0.9417	0.9271	0.1087
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8639
primary-tumor	0.3939	0.0551	0.3939	0.3258	0.2559
profb	0.6866	0.3134	0.6866	0.2064	0.8487
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9523	0.0191	0.9523	0.9357	0.0846
pufs-6410%	0.5022	0.4978	0.5022	0.0043	0.9988
raisin	0.8556	0.1444	0.8556	0.7111	0.5296
re0-wc	0.7400	0.0400	0.7400	0.6534	0.3335
re1-wc	0.8012	0.0159	0.8012	0.7717	0.1623
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5864	0.4136	0.5864	-0.0089	0.6194
RT_IOT2022	0.9985	0.0002	0.9985	0.9963	0.0028
satimage	0.8756	0.0415	0.8756	0.8464	0.1872
satimageF	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6421	0.3579	0.6421	0.3285	0.5274
segment	0.9567	0.0124	0.9567	0.9494	0.0512
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9899	0.0018	0.9899	0.9889	0.0188
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8889	0.1111	0.8889	0.5922	0.6065
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9735	0.0265	0.9735	0.7775	0.3572
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9915	0.0085	0.9915	0.9747	0.1126
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.7914	0.0695	0.7914	0.7337	0.1929
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9261	0.0739	0.9261	0.8425	0.3213
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5660	0.0181	0.5660	0.5419	0.1089
splice-EI	0.9748	0.0252	0.9748	0.9331	0.1912
splice-IE	0.9464	0.0536	0.9464	0.8522	0.3405
sport-articles	0.8300	0.1700	0.8300	0.6374	0.6209
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.0535	0.5552
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8881	0.0746	0.8881	0.8187	0.2502
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6872	0.3128	0.6872	0.1520	0.6291
steel-p	0.9179	0.0821	0.9179	0.1729	0.5109
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3846	0.4103	0.3846	0.0370	0.6590
student-weekend	0.3846	0.2462	0.3846	0.1419	0.6674
student-workday	0.7188	0.1125	0.7188	0.1742	0.3360
susy10%	0.7497	0.2503	0.7497	0.4801	0.6473
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0046
swarm_grouped	0.9986	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.8889	0.1111	0.8889	0.6786	0.5467
texture	0.9600	0.0073	0.9600	0.9559	0.0561
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8833	0.1167	0.8833	0.6680	0.5167
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.5882	0.2059	0.5882	0.4465	0.2896
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	-0.0628	0.8856
trec11-wc	0.8780	0.0271	0.8780	0.8484	0.0892
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0271
trec41-wc	0.9318	0.0136	0.9318	0.9164	0.0709
trec45-wc	0.9130	0.0174	0.9130	0.8984	0.0600
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8500	0.0750	0.8500	0.8000	0.2047
tvnews	0.8100	0.1900	0.8100	0.5567	0.5701
urban	0.8358	0.0365	0.8358	0.8066	0.1400
vehicle	0.8333	0.0833	0.8333	0.7734	0.1850
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5556	0.0808	0.5556	0.5111	0.2477
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.8077	0.0192	0.8077	0.7834	0.1291
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	0.8571	0.0286	0.8571	0.8409	0.0667
watch-acc10%	0.9252	0.0214	0.9252	0.9126	0.0482
watch-gyr10%	0.9263	0.0210	0.9263	0.9139	0.0453
waveform	0.7760	0.1493	0.7760	0.6641	0.4439
web-phishing	0.8667	0.0889	0.8667	0.7649	0.3741
weight-lift	0.9758	0.0097	0.9758	0.9693	0.0444
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.5912	0.1363	0.5912	0.3195	0.4137
winequality-white	0.4765	0.1496	0.4765	0.0872	0.3590
winnipeg	0.9736	0.0062	1.0000	0.9939	0.0496
yale	0.6250	0.0500	0.6250	0.5966	0.0867
yeast	0.5405	0.0919	0.5405	0.4127	0.4012
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9140	0.0172	0.9140	0.9036	0.1259
zoo	0.9000	0.0286	0.9000	0.8701	0.0000



Table 50: Detailed results for WeightBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1055	0.0617	0.1055	0.0229	0.4772
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9812	0.0188	0.9812	0.0295	0.3154
ads	0.9634	0.0366	0.9634	0.8395	0.2634
adult	0.8636	0.1364	0.8636	0.5823	0.5566
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7619	0.2381	0.7619	-0.0371	0.8340
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6757	0.3243	0.6757	0.2975	0.8463
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9970	0.0030	0.9970	0.2557	0.0142
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9764	0.0118	0.9764	0.9546	0.0538
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9666	0.0083	0.9666	0.9445	0.0615
anuran-species	0.9792	0.0042	0.9792	0.9710	0.0371
aps-failure	0.9899	0.0101	0.9899	0.6198	0.1482
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7333	0.0410	0.7333	0.5504	0.2612
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8189	0.0302	0.8189	0.7539	0.1123
balance	0.8226	0.1183	0.8226	0.6889	0.4050
bank	0.9148	0.0852	0.9148	0.5496	0.5765
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8295	0.1705	0.8295	0.5986	0.5027
basehock	0.9698	0.0302	0.9698	0.9397	0.1709
bio	0.9962	0.0038	0.9962	0.7424	0.1420
biodeg	0.8952	0.1048	0.8952	0.7789	0.4599
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9864	0.0009	0.9864	0.0783	0.0111
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7500	0.2500	0.7500	0.4096	0.7758
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.9115	0.0885	0.9115	0.0625	0.2708
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.9275	0.0725	0.9275	0.8506	0.3457
cardiotocography	0.8685	0.0263	0.8685	0.8422	0.1521
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8313	0.2331
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6800	0.2798
cas_N6512_cdk_ECFP2	0.5960	0.4040	0.5960	0.1428	0.7607
cdc_diabetes	0.8491	0.1006	0.8491	0.1603	0.2944
census10%	0.9495	0.0505	0.9495	0.3386	0.3709
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8610	0.0700
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6857	0.5682
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2825	0.8354
cirrhosis	0.7619	0.1587	0.7619	0.5161	0.3788
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8389	0.0806	0.8389	0.7481	0.3568
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5850	0.2766	0.5850	0.3457	0.6425
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0558
codon_usage	0.8304	0.0308	0.8304	0.7917	0.1845
coil20	0.9653	0.0035	0.9653	0.9634	0.0221
collins	0.9400	0.0080	0.9400	0.9339	0.0232
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6207	0.3793	0.6207	0.2238	0.7270
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9859	0.0094	0.9859	0.5475	0.0295
cottonmeloidogyne	0.6370	0.3630	0.6370	0.2704	0.7706
coupon	0.7334	0.2666	0.7334	0.4484	0.7742
covtype	0.7205	0.0799	0.7205	0.5409	0.2956
covtypeCD	0.9876	0.0124	0.9876	0.9468	0.1337
covtypeT	0.9800	0.0200	0.9800	0.8459	0.3113
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8885	0.0372	0.8885	0.7526	0.1862
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2618	0.1275
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8257	0.1743	0.8257	0.3818	0.6260
deposit	0.8978	0.1022	0.8978	0.4275	0.6110
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8667	0.1333	0.8667	0.7333	0.4919
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5373	0.3084	0.5373	0.0052	0.4173
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2174	0.9105
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5800	0.4200	0.5800	0.1419	0.9204
dropout	0.7201	0.1866	0.7201	0.5064	0.4601
drug-01	0.4096	0.1687	0.4096	0.0437	0.4027
drug-02	0.5053	0.1413	0.5053	0.0139	0.3927
drug-03	0.6702	0.0942	0.6702	-0.0191	0.3004
drug-04	0.5053	0.1413	0.5053	0.0293	0.5726
drug-05	0.7287	0.0775	0.7287	0.0417	0.2646
drug-06	0.4043	0.1702	0.4043	0.2343	0.5150
drug-07	0.4043	0.1702	0.4043	-0.0232	0.4628
drug-08	0.5426	0.1307	0.5426	0.0661	0.5685
drug-09	0.8564	0.0410	0.8564	-0.0114	0.3431
drug-10	0.5372	0.1322	0.5372	0.0352	0.4593
drug-11	0.8511	0.0426	0.8511	0.0553	0.2190
drug-12	0.7766	0.0638	0.7766	-0.0015	0.3257
drug-13	0.6223	0.1079	0.6223	0.2154	0.3630
drug-14	0.5904	0.1170	0.5904	0.1627	0.4685
drug-15	0.7553	0.0699	0.7553	0.0925	0.3605
drug-16	0.5745	0.1216	0.5745	0.2576	0.3885
drug-17	0.3936	0.1733	0.3936	0.1485	0.4455
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0007	0.2818
drybean	0.9317	0.0195	0.9317	0.9173	0.1086
ecoli	0.7941	0.0515	0.7941	0.7122	0.1297
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3128	0.0859	0.3128	0.2211	0.5145
eeg-eye	0.5995	0.4005	0.5995	0.1200	0.5701
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2283	0.8305
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5294	0.6440
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6285	0.6082
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6109	0.5306
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7285	0.5172
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.6712	0.1315	0.6712	0.5739	0.3261
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9409	0.0591	0.9409	0.8811	0.2929
fbis-wc	0.8049	0.0230	0.8049	0.7784	0.1542
fda.atompair_fp	0.7273	0.2727	0.7273	0.2326	0.8276
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.4500	0.1375	0.4500	0.2949	0.2930
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4834	0.0066	0.4874	0.4463	0.2851
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9770	0.0077	0.9770	0.9721	0.0491
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.5874	0.2751	0.5874	0.0040	0.3656
gene	0.9432	0.0379	0.9432	0.9093	0.1627
german	0.6500	0.3500	0.6500	0.0642	0.7808
gina	0.8501	0.1499	0.8501	0.6992	0.5217
glass	0.8095	0.0635	0.8095	0.7423	0.2203
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7085	0.5490
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6667	0.1667	0.6667	0.5399	0.3827
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.9341	0.0110	0.9341	0.9221	0.0741
har70	0.8974	0.0227	0.9214	0.8909	0.1197
harth10%	0.8842	0.0225	0.8883	0.8300	0.1558
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7647	0.2353	0.7647	0.5342	0.6845
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8082	0.1918	0.8082	0.6160	0.6077
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5596	0.4404	0.5596	0.0696	0.6180
higher	0.4286	0.1429	0.4286	0.3171	0.2112
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8971	0.1029	0.8971	0.5577	0.4392
hiva	0.9622	0.0378	0.9622	0.1856	0.5048
horse	0.6667	0.2222	0.6667	0.4041	0.5396
htru2	0.9771	0.0229	0.9771	0.8573	0.2568
ht-sensor	0.7281	0.1812	0.7281	0.5948	0.4371
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8113	0.0145	0.8113	0.8037	0.1622
jm1	0.8099	0.1901	0.8099	0.0625	0.4764
jvowels	0.9046	0.0212	0.9046	0.8917	0.1145
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1250	0.2363
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3082	0.7873
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.9127	0.0097	0.9127	0.9024	0.1088
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7873	0.0709	0.7873	0.7220	0.2069
la2s-wc	0.7947	0.0684	0.7947	0.7327	0.2266
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.6007	0.0816
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9190	0.0062	0.9190	0.9157	0.0909
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7020	0.1184
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6765	0.3235	0.6765	0.2429	0.8721
localization	0.4954	0.0917	0.4954	0.2868	0.3730
lrs	0.8113	0.0377	0.8113	0.7387	0.1536
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5731	0.4269	0.5731	0.1462	0.9445
magic04	0.8006	0.1994	0.8006	0.5074	0.5132

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6235	0.6412
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7286	0.3737
messidor	0.6348	0.3652	0.6348	0.3020	0.7768
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	1.0000	0.0000	1.0000	1.0000	0.0000
mfeat-fac	0.9350	0.0130	0.9350	0.9278	0.0792
mfeat-fou	0.7300	0.0540	0.7300	0.7000	0.2302
mfeat-kar	0.9000	0.0200	0.9000	0.8889	0.1155
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1991
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0504
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1630
mice-prot	0.9722	0.0069	0.9722	0.9682	0.0344
mines	0.4706	0.2118	0.4706	0.3341	0.5245
mobile	0.7378	0.0094	0.7378	0.7330	0.1188
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8909	0.1091	0.8909	0.4133	0.2451
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9913
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.7622
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3711	0.8369
MUT_ci300400a	0.6278	0.3722	0.6278	0.1512	0.6438
MUT_ci300400a_cdk_ECFP2	0.6211	0.3789	0.6211	0.1188	0.6754
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9499	0.0501	0.9499	0.8997	0.2530
nci9	0.5000	0.1111	0.5000	0.4194	0.0753
ncRNA10%	0.9134	0.0091	0.9134	0.7408	0.2114
newspop	0.5336	0.4664	0.5336	0.0034	0.5559
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9515	0.0485	0.9515	0.8814	0.2946
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0274	0.7624
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.1003
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9109	0.0178	0.9109	0.8980	0.0889
oh10-wc	0.7524	0.0495	0.7524	0.7173	0.2486
oh15-wc	0.8370	0.0326	0.8370	0.8144	0.1465
oh5-wc	0.8022	0.0396	0.8022	0.7774	0.2011
opn310k	0.9119	0.0881	0.9119	0.0621	0.2365
opnat310k-hg16-17	0.9118	0.0882	0.9118	0.0697	0.2649
optdigits	0.9555	0.0089	0.9555	0.9505	0.0607
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7250	0.0138	0.7250	0.7179	0.0491
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9091	0.0909	0.9091	0.0456	0.6418
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9083	0.2761

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8946	0.1054	0.8946	0.7309	0.4778
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5670	0.4330	0.5670	-0.0063	0.8238
pd	0.8421	0.1579	0.8421	0.5294	0.6004
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9818	0.0036	0.9818	0.9798	0.0312
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6262	0.5771
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6999	0.5365
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.4898	0.7465
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9796	0.0204	0.9796	0.9573	0.1420
phoneme	0.8185	0.1815	0.8185	0.5813	0.6550
phy	0.6264	0.3736	0.6264	0.2506	0.7890
pima	0.6974	0.3026	0.6974	0.3150	0.7801
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7635	0.0434	0.7809	0.5946	0.1720
polish-1st	0.9744	0.0256	0.9744	0.5385	0.2912
polish-2nd	0.9607	0.0393	0.9607	0.0440	0.2395
polish-3rd	0.9505	0.0495	0.9505	0.0619	0.3991
polish-4th	0.9582	0.0418	0.9582	0.4485	0.4191
polish-5th	0.9611	0.0389	0.9611	0.6050	0.2085
polya	0.6486	0.3514	0.6486	0.0331	0.5756
popularity	0.6315	0.2456	0.6315	0.0031	0.3302
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9257	0.0297	0.9257	0.9070	0.1270
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8906
primary-tumor	0.3030	0.0634	0.3030	0.2333	0.2454
profb	0.7313	0.2687	0.7313	0.2923	0.7269
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9538	0.0185	0.9538	0.9378	0.0853
pufs-6410%	0.5031	0.4969	0.5031	0.0062	0.9982
raisin	0.8333	0.1667	0.8333	0.6667	0.5670
re0-wc	0.7333	0.0410	0.7333	0.6356	0.2784
re1-wc	0.8253	0.0140	0.8253	0.8014	0.1488
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5936	0.4064	0.5936	0.0081	0.5708
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0036
satimage	0.8445	0.0518	0.8445	0.8060	0.2002
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.5263	0.5283
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6414	0.3586	0.6414	0.3272	0.5327
segment	0.9654	0.0099	0.9654	0.9595	0.0421
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9932	0.0012	0.9932	0.9925	0.0138
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8905	0.1095	0.8905	0.5897	0.6034
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9915	0.0085	0.9915	0.9747	0.1127
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.7626	0.0791	0.7626	0.6960	0.2076
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9516	0.0280
spambase	0.9283	0.0717	0.9283	0.8475	0.3225
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.4906	0.0212	0.4906	0.4616	0.1413
splice-EI	0.9716	0.0284	0.9716	0.9251	0.2138
splice-IE	0.9401	0.0599	0.9401	0.8348	0.3664
sport-articles	0.8500	0.1500	0.8500	0.6764	0.5756
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.0997	0.4726
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8838	0.0774	0.8838	0.8118	0.2607
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7026	0.2974	0.7026	0.2037	0.6167
steel-p	0.9231	0.0769	0.9231	0.3135	0.5446
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.6923	0.2051	0.6923	0.5273	0.4903
student-weekend	0.4154	0.2338	0.4154	0.1723	0.6669
student-workday	0.7031	0.1187	0.7031	0.1118	0.3279
susy10%	0.7511	0.2489	0.7511	0.4833	0.6475
swarm_aligned	0.9756	0.0000	0.9954	0.9897	0.0000
swarm_flocking	1.0000	0.0004	0.9877	0.9916	0.0046
swarm_grouped	0.9772	0.0000	0.9923	0.9821	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.9167	0.0833	0.9167	0.7477	0.4300
texture	0.9764	0.0043	0.9764	0.9739	0.0364
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8811	0.1189	0.8811	0.6627	0.5265
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8426	0.1448
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.9268	0.0163	0.9268	0.9105	0.0698
trec12-wc	0.9032	0.0242	0.9032	0.8843	0.0700

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7312	0.1833
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.7750	0.1125	0.7750	0.7000	0.2799
tvnews	0.8179	0.1821	0.8179	0.5759	0.5512
urban	0.8507	0.0332	0.8507	0.8247	0.1373
vehicle	0.7857	0.1071	0.7857	0.7102	0.2326
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5455	0.0826	0.5455	0.5000	0.2441
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.7628	0.0237	0.7628	0.7346	0.1720
warpar10p	0.6154	0.0769	0.6154	0.5724	0.1323
warppiel10p	0.9048	0.0190	0.9048	0.8939	0.0371
watch-acc10%	0.9471	0.0151	0.9471	0.9381	0.0597
watch-gyr10%	0.9256	0.0213	0.9256	0.9131	0.0657
waveform	0.7700	0.1533	0.7700	0.6552	0.4550
web-phishing	0.8963	0.0691	0.8963	0.8177	0.3276
weight-lift	0.9381	0.0248	0.9381	0.9218	0.1028
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6164	0.1279	0.6164	0.3716	0.4335
winequality-white	0.4663	0.1525	0.4663	0.0688	0.4024
winnipeg	0.9968	0.0063	0.9762	0.9623	0.0487
yale	0.5000	0.0667	0.5000	0.4667	0.1058
yeast	0.5270	0.0946	0.5270	0.3928	0.3693
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9086	0.0183	0.9086	0.8976	0.1349
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 51: Detailed results for SmoothBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1703	0.0572	0.1703	0.0824	0.4639
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9816	0.0184	0.9816	-0.0012	0.2266
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8630	0.1370	0.8630	0.5797	0.5571
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.2975	0.8463
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9971	0.0029	0.9971	0.2993	0.0138
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.2496	0.3797
AID644Morered	0.5000	0.5000	0.5000	-0.1905	0.9701
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9805	0.0097	0.9805	0.9627	0.0439
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9680	0.0080	0.9680	0.9470	0.0782
anuran-species	0.9722	0.0056	0.9722	0.9612	0.0429
aps-failure	0.9901	0.0099	0.9901	0.6366	0.1650
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7556	0.0376	0.7556	0.6178	0.2069
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8438	0.0260	0.8438	0.7876	0.0730
balance	0.7903	0.1398	0.7903	0.6356	0.4266
bank	0.9097	0.0903	0.9097	0.4586	0.5578
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8272	0.1728	0.8272	0.5926	0.5057
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9966	0.0034	0.9966	0.7711	0.1386
biodeg	0.8667	0.1333	0.8667	0.7118	0.5200
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9868	0.0009	0.9868	0.1810	0.3084
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9113	0.0887	0.9113	0.0620	0.2809
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8732	0.0254	0.8732	0.8478	0.1481
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8298	0.2323
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6930	0.3892
cas_N6512_cdk_ECFP2	0.5868	0.4132	0.5868	0.1197	0.7360
cdc_diabetes	0.8485	0.1010	0.8485	0.1666	0.3023
census10%	0.9495	0.0505	0.9495	0.3229	0.3408
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8620	0.0866
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6426	0.6065
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2741	0.8250
cirrhosis	0.6905	0.2063	0.6905	0.3695	0.5081
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8352	0.0824	0.8352	0.7452	0.3632
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8400	0.1600	0.8400	-0.0811	0.7590
cmc	0.5918	0.2721	0.5918	0.3567	0.6540
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0617
codon_usage	0.8726	0.0232	0.8726	0.8440	0.1455
coil20	0.9583	0.0042	0.9583	0.9561	0.0231
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6207	0.3793	0.6207	0.2313	0.8700
colposcopies-c	0.7586	0.2414	0.7586	0.3072	0.7986
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9927	0.0048	0.9927	0.8074	0.0172
cottonmeloidogyne	0.6202	0.3798	0.6202	0.2357	0.7213
coupon	0.7374	0.2626	0.7374	0.4547	0.7649
covtype	0.7153	0.0813	0.7153	0.5278	0.2699
covtypeCD	0.9876	0.0124	0.9876	0.9464	0.1206
covtypeT	0.9792	0.0208	0.9792	0.8356	0.2952
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9198	0.0267	0.9198	0.8328	0.1920
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3883	0.1044
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.3834	0.6223
deposit	0.8980	0.1020	0.8980	0.3837	0.5827
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9333	0.0667	0.9333	0.8667	0.3124
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5393	0.3071	0.5393	0.0044	0.3839
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0909	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5644	0.4356	0.5644	0.1037	0.9072
dropout	0.7291	0.1806	0.7291	0.5362	0.4974
drug-01	0.3936	0.1733	0.3936	0.0189	0.4384
drug-02	0.5000	0.1429	0.5000	0.0366	0.4901
drug-03	0.6809	0.0912	0.6809	-0.0134	0.3204
drug-04	0.5266	0.1353	0.5266	0.0463	0.4346
drug-05	0.7128	0.0821	0.7128	-0.0022	0.3457
drug-06	0.3989	0.1717	0.3989	0.2302	0.5293
drug-07	0.3883	0.1748	0.3883	-0.0545	0.3966
drug-08	0.5479	0.1292	0.5479	0.0730	0.4607
drug-09	0.8457	0.0441	0.8457	-0.0279	0.2419
drug-10	0.5585	0.1261	0.5585	0.0881	0.3358
drug-11	0.8564	0.0410	0.8564	0.1140	0.2536
drug-12	0.7766	0.0638	0.7766	-0.0203	0.3219
drug-13	0.6277	0.1064	0.6277	0.2515	0.4727
drug-14	0.5904	0.1170	0.5904	0.1497	0.4179
drug-15	0.7606	0.0684	0.7606	0.0992	0.3265
drug-16	0.5585	0.1261	0.5585	0.2085	0.4055
drug-17	0.3670	0.1809	0.3670	0.1170	0.5234
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7553	0.0699	0.7553	-0.0198	0.3846
drybean	0.9295	0.0202	0.9295	0.9147	0.1181
ecoli	0.8235	0.0441	0.8235	0.7560	0.1522
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3328	0.0834	0.3328	0.2456	0.4779
eeg-eye	0.5988	0.4012	0.5988	0.1192	0.5895
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.1574	0.8532
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5181	0.6014
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6769	0.5789
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7196	0.5081
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6575	0.1370	0.6575	0.5582	0.3301
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9434	0.0566	0.9434	0.8862	0.2820
fbis-wc	0.7967	0.0239	0.7967	0.7684	0.1462
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6141	0.1789
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4930	0.0067	0.4926	0.4451	0.2758
forest	0.8846	0.0577	0.8846	0.8405	0.1475
gas	0.9849	0.0050	0.9849	0.9817	0.0364
gastrointestinal	0.9375	0.0417	0.9375	0.9018	0.1379
gender	0.5895	0.2737	0.5895	0.0078	0.3523
gene	0.9243	0.0505	0.9243	0.8787	0.2184
german	0.6800	0.3200	0.6800	0.1512	0.7154
gina	0.8530	0.1470	0.8530	0.7051	0.5275
glass	0.8095	0.0635	0.8095	0.7375	0.2035
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6897	0.5637
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3750	0.5393
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9478	0.0087	0.9478	0.9384	0.0670
har70	0.8815	0.0339	0.8815	0.8286	0.1338
harth10%	0.8597	0.0234	0.8597	0.8076	0.1491
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.7059	0.2941	0.7059	0.3511	0.7534
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.7667	0.2333	0.7667	0.5333	0.7203
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8022	0.1978	0.8022	0.6039	0.6187
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5611	0.4389	0.5611	0.0730	0.6212
higher	0.2143	0.1964	0.2143	0.0552	0.3830
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8938	0.1062	0.8938	0.5432	0.4596
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6389	0.2407	0.6389	0.3276	0.5311
htru2	0.9788	0.0212	0.9788	0.8674	0.2355
ht-sensor	0.6880	0.2080	0.6880	0.5408	0.3520
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.1301	0.7904
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8652	0.0104	0.8652	0.8598	0.1118
jm1	0.8099	0.1901	0.8099	0.0625	0.4764
fvowels	0.9468	0.0118	0.9468	0.9397	0.0872
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.7143	0.0238	0.7143	0.5000	0.1165
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9169	0.0092	0.9169	0.9073	0.1117
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8698	0.0434	0.8698	0.8360	0.2233
la2s-wc	0.8775	0.0408	0.8775	0.8450	0.2106
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6618	0.0479
led24	0.5000	0.1000	0.5000	0.4413	0.2398
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9310	0.0053	0.9310	0.9282	0.0767
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8209	0.0652
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6471	0.3529	0.6471	0.1092	0.9052
localization	0.5242	0.0865	0.5242	0.3362	0.3206
lrs	0.8302	0.0340	0.8302	0.7637	0.1215
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5266	0.2752
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6800	0.1038
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0208
madelon	0.5154	0.4846	0.5154	0.0308	0.9784
magic04	0.7891	0.2109	0.7891	0.4739	0.5223

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.6348	0.3652	0.6348	0.3020	0.7768
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0568
mfeat-fou	0.8300	0.0340	0.8300	0.8111	0.1490
mfeat-kar	0.9400	0.0120	0.9400	0.9333	0.0689
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2166
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0787
mfeat-zer	0.7500	0.0500	0.7500	0.7222	0.1726
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4074	0.4815
mobile	0.8497	0.0054	0.8497	0.8469	0.0689
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9318	0.0682	0.9318	0.6817	0.1818
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9823
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.7967
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4373	0.7936
MUT_ci300400a	0.6165	0.3835	0.6165	0.1214	0.6412
MUT_ci300400a_cdk_ECFP2	0.6127	0.3873	0.6127	0.0870	0.5803
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9591	0.0409	0.9591	0.9182	0.2234
nci9	0.3333	0.1481	0.3333	0.2258	0.1354
ncRNA10%	0.9095	0.0095	0.9095	0.7263	0.1440
newspop	0.5343	0.4657	0.5343	0.0050	0.5487
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9486	0.0514	0.9486	0.8738	0.3034
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0494	0.7877
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.1003
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8713	0.0257	0.8713	0.8526	0.1174
oh10-wc	0.7619	0.0476	0.7619	0.7277	0.2319
oh15-wc	0.8261	0.0348	0.8261	0.8016	0.1664
oh5-wc	0.7802	0.0440	0.7802	0.7505	0.1695
opn310k	0.9130	0.0870	0.9130	0.0832	0.2408
opnat310k-hg16-17	0.9119	0.0881	0.9119	0.0730	0.2698
optdigits	0.9502	0.0100	0.9502	0.9446	0.0723
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6500	0.0175	0.6500	0.6410	0.0627
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9289	0.0711	0.9289	0.0932	0.1761
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8674	0.1949

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8903	0.1097	0.8903	0.7211	0.4948
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5825	0.4175	0.5825	0.0277	0.7786
pd	0.8947	0.1053	0.8947	0.6863	0.3954
pediatric-leukemia	0.7353	0.0756	0.7353	0.6695	0.1994
pendigits	0.9854	0.0029	0.9854	0.9838	0.0250
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6530	0.5589
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9211
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6844	0.5493
P-Glycoprotein_RDkit_AtomPair_FP	0.6000	0.4000	0.6000	0.2079	0.9105
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9878	0.0122	0.9878	0.9744	0.0960
phoneme	0.8093	0.1907	0.8093	0.5524	0.6804
phy	0.6298	0.3702	0.6298	0.2575	0.7977
pima	0.6842	0.3158	0.6842	0.2716	0.7650
plx	0.5556	0.4444	0.5556	0.0137	0.9013
poker	0.7912	0.0418	0.7912	0.6123	0.1829
polish-1st	0.9730	0.0270	0.9730	0.5010	0.2985
polish-2nd	0.9597	0.0403	0.9597	0.0413	0.3170
polish-3rd	0.9505	0.0495	0.9505	0.0302	0.3606
polish-4th	0.9592	0.0408	0.9592	0.4419	0.3694
polish-5th	0.9560	0.0440	0.9560	0.5327	0.2231
polya	0.6465	0.3535	0.6465	0.0238	0.5645
popularity	0.6318	0.2455	0.6318	0.0038	0.3247
post-operative	0.5556	0.2963	0.5556	0.0000	0.4796
postures	0.9594	0.0162	0.9594	0.9492	0.0847
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.8935
primary-tumor	0.3636	0.0579	0.3636	0.2943	0.2939
profb	0.7761	0.2239	0.7761	0.4021	0.5512
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9728	0.0109	0.9728	0.9634	0.0544
pufs-6410%	0.5044	0.4956	0.5044	0.0088	0.9975
raisin	0.8444	0.1556	0.8444	0.6889	0.5627
re0-wc	0.7733	0.0349	0.7733	0.7013	0.3008
re1-wc	0.8072	0.0154	0.8072	0.7780	0.1453
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5936	0.4064	0.5936	0.0081	0.5708
RT_IOT2022	0.9987	0.0002	0.9987	0.9967	0.0023
satimage	0.8818	0.0394	0.8818	0.8543	0.1812
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6840	0.3160	0.6840	0.4021	0.5087
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-4-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sensorless	0.9959	0.0007	0.9959	0.9955	0.0091
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8905	0.1095	0.8905	0.5479	0.5912
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9761	0.0239	0.9761	0.7958	0.3118
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9930	0.0070	0.9930	0.9789	0.0983
smk_can_187	0.7895	0.2105	0.7895	0.5778	0.6844
solar-flare	0.7554	0.0815	0.7554	0.6865	0.2275
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9412	0.0062	0.9412	0.9354	0.0353
spambase	0.9348	0.0652	0.9348	0.8621	0.3111
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.6038	0.0165	0.6038	0.5819	0.0980
splice-EI	0.9716	0.0284	0.9716	0.9251	0.2138
splice-IE	0.9527	0.0473	0.9527	0.8696	0.3131
sport-articles	0.8100	0.1900	0.8100	0.5855	0.6578
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7846	0.2154	0.7846	0.0173	0.5626
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8850	0.0767	0.8850	0.8134	0.2500
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7179	0.2821	0.7179	0.2542	0.6039
steel-p	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.6154	0.2564	0.6154	0.3981	0.5877
student-weekend	0.3538	0.2585	0.3538	0.0606	0.6694
student-workday	0.6875	0.1250	0.6875	0.0824	0.4227
susy10%	0.7457	0.2543	0.7457	0.4713	0.6495
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9691	0.0056	0.9691	0.9659	0.0440
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8878	0.1122	0.8878	0.6794	0.4977
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7647	0.1176	0.7647	0.6866	0.2330
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7200	0.2800	0.7200	0.1519	0.8533
trec11-wc	0.8537	0.0325	0.8537	0.8195	0.1322
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8059	0.1673
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9785	0.0061	0.9785	0.9714	0.0406
trec41-wc	0.9432	0.0114	0.9432	0.9304	0.0572
trec45-wc	0.9275	0.0145	0.9275	0.9154	0.0398
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8250	0.0875	0.8250	0.7667	0.2480
tvnews	0.7816	0.2184	0.7816	0.4786	0.5898
urban	0.8358	0.0365	0.8358	0.8076	0.1476
vehicle	0.8333	0.0833	0.8333	0.7731	0.2050
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5758	0.0771	0.5758	0.5333	0.2236
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.8141	0.0186	0.8141	0.7912	0.1129
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9048	0.0190	0.9048	0.8937	0.0441
watch-acc10%	0.9331	0.0191	0.9331	0.9217	0.0427
watch-gyr10%	0.9317	0.0195	0.9317	0.9202	0.0409
waveform	0.7520	0.1653	0.7520	0.6280	0.4722
web-phishing	0.8815	0.0790	0.8815	0.7910	0.3533
weight-lift	0.9980	0.0008	0.9980	0.9974	0.0061
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0255
wilt	0.9896	0.0104	0.9896	0.8925	0.2660
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6289	0.1237	0.6289	0.3782	0.3468
winequality-white	0.4744	0.1502	0.4744	0.0844	0.4211
winnipeg	0.9899	0.0029	0.9899	0.9872	0.0273
yale	0.6250	0.0500	0.6250	0.5983	0.0934
yeast	0.5270	0.0946	0.5270	0.3970	0.3918
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9258	0.0148	0.9258	0.9168	0.1154
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 52: Detailed results for SmoothBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1079	0.0615	0.1079	0.0235	0.5152
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9819	0.0181	0.9819	-0.0006	0.1621
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8643	0.1357	0.8643	0.5770	0.5374
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6216	0.3784	0.6216	0.1804	0.9102
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9970	0.0030	0.9970	0.2557	0.0142
AID604AID644_AllRed	0.9992	0.0008	0.9992	0.2855	0.0047
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.7500	0.2500	0.7500	0.3750	0.7858
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9940	0.0060	0.9940	0.0520	0.1628
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9833	0.0083	0.9833	0.9681	0.0439
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9777	0.0056	0.9777	0.9633	0.0717
anuran-species	0.9819	0.0036	0.9819	0.9749	0.0329
aps-failure	0.9903	0.0097	0.9903	0.6398	0.1458
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5416	0.2059
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8275	0.0287	0.8275	0.7662	0.1019
balance	0.8065	0.1290	0.8065	0.6643	0.3552
bank	0.9107	0.0893	0.9107	0.4620	0.5506
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8318	0.1682	0.8318	0.6023	0.4765
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9966	0.0034	0.9966	0.7766	0.1379
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9863	0.0009	0.9863	0.0694	0.0112
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9117	0.0883	0.9117	0.0709	0.2799
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8696	0.1304	0.8696	0.7361	0.5115
cardiotocography	0.8779	0.0244	0.8779	0.8535	0.1479
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7908	0.2619
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7206	0.3033
cas_N6512_cdk_ECFP2	0.5914	0.4086	0.5914	0.1297	0.7272
cdc_diabetes	0.8488	0.1008	0.8488	0.1659	0.2994
census10%	0.9502	0.0498	0.9502	0.3157	0.2884
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9419	0.0581	0.9419	0.5169	0.5762
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9998	0.0002	0.9998	0.8580	0.0869
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6788	0.5564
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.8035	0.4273
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6347	0.5902
ci900367j_MACCS	0.6737	0.3263	0.6737	0.2628	0.8540
cirrhosis	0.7619	0.1587	0.7619	0.5070	0.3634
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8398	0.0801	0.8398	0.7495	0.3457
climate	0.8889	0.1111	0.8889	-0.0519	0.7116
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5918	0.2721	0.5918	0.3586	0.6497
cnae-9	0.9630	0.0082	0.9630	0.9583	0.0408
codon_usage	0.8319	0.0306	0.8319	0.7936	0.1807
coil20	0.9792	0.0021	0.9792	0.9781	0.0148
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.6207	0.3793	0.6207	0.1671	0.8893
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6207	0.3793	0.6207	0.2276	0.8192
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9927	0.0048	0.9927	0.8117	0.0170
cottonmeloidogyne	0.6298	0.3702	0.6298	0.2554	0.7409
coupon	0.7350	0.2650	0.7350	0.4492	0.7674
covtype	0.7033	0.0848	0.7033	0.5072	0.2762
covtypeCD	0.9876	0.0124	0.9876	0.9466	0.1274
covtypeT	0.9792	0.0208	0.9792	0.8362	0.2987
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9023	0.0326	0.9023	0.7862	0.1687
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4199	0.1062
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8253	0.1747	0.8253	0.3794	0.6253
deposit	0.8989	0.1011	0.8989	0.3891	0.5783
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5413	0.3058	0.5413	0.0109	0.3897
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0149	0.9759
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5651	0.4349	0.5651	0.1031	0.8944
dropout	0.7336	0.1776	0.7336	0.5269	0.3981
drug-01	0.3777	0.1778	0.3777	0.0055	0.6108
drug-02	0.5213	0.1368	0.5213	0.0763	0.4472
drug-03	0.6755	0.0927	0.6755	-0.0121	0.2878
drug-04	0.5160	0.1383	0.5160	0.0437	0.5276
drug-05	0.7287	0.0775	0.7287	0.0284	0.2549
drug-06	0.4096	0.1687	0.4096	0.2459	0.5534
drug-07	0.3936	0.1733	0.3936	-0.0454	0.4603
drug-08	0.5319	0.1337	0.5319	0.0482	0.5502
drug-09	0.8457	0.0441	0.8457	-0.0246	0.4493
drug-10	0.5638	0.1246	0.5638	0.1007	0.3475
drug-11	0.8564	0.0410	0.8564	0.0631	0.1205
drug-12	0.7766	0.0638	0.7766	-0.0203	0.3219
drug-13	0.6064	0.1125	0.6064	0.1802	0.4110
drug-14	0.5904	0.1170	0.5904	0.1999	0.4590
drug-15	0.7606	0.0684	0.7606	0.0731	0.2989
drug-16	0.5638	0.1246	0.5638	0.2310	0.3961
drug-17	0.3723	0.1793	0.3723	0.1222	0.4939
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7553	0.0699	0.7553	-0.0044	0.4041
drybean	0.9309	0.0197	0.9309	0.9164	0.1090
ecoli	0.8235	0.0441	0.8235	0.7560	0.1522
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8182	0.1818	0.8182	0.4590	0.6857
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3205	0.0849	0.3205	0.2309	0.5069
eeg-eye	0.5975	0.4025	0.5975	0.1160	0.5899
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2283	0.8305
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5294	0.6440
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6617	0.5586
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.7123	0.1151	0.7123	0.6281	0.2955
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9438	0.0562	0.9438	0.8871	0.2811
fbis-wc	0.8211	0.0210	0.8211	0.7965	0.1336
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5527	0.1880
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4936	0.0066	0.4912	0.4481	0.2847
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9907	0.0031	0.9907	0.9887	0.0231
gastrointestinal	0.8750	0.0833	0.8750	0.8072	0.2544
gender	0.5895	0.2737	0.5895	0.0078	0.3523
gene	0.9401	0.0400	0.9401	0.9043	0.1856
german	0.6600	0.3400	0.6600	0.0981	0.7719
gina	0.8501	0.1499	0.8501	0.6993	0.5324
glass	0.8095	0.0635	0.8095	0.7470	0.1641
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2727	0.5709
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9488	0.0085	0.9488	0.9394	0.0520
har70	0.9080	0.0228	0.9406	0.8776	0.1192
harth10%	0.8869	0.0218	0.8482	0.8353	0.1560
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.8235	0.1765	0.8235	0.6434	0.6112
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8000	0.2000	0.8000	0.5982	0.6654
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8023	0.1977	0.8023	0.6042	0.6185
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5615	0.4385	0.5615	0.0739	0.6232
higher	0.4286	0.1429	0.4286	0.3212	0.2651
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8988	0.1012	0.8988	0.5670	0.4357
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6667	0.2222	0.6667	0.3820	0.5244
htru2	0.9793	0.0207	0.9793	0.8690	0.2074
ht-sensor	0.7552	0.1632	0.7552	0.6353	0.4124
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.0585	0.8104
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8832	0.0090	0.8832	0.8785	0.1017
jm1	0.8108	0.1892	0.8108	0.0696	0.4751
jvowels	0.9147	0.0190	0.9147	0.9032	0.1092
kc1	0.8626	0.1374	0.8626	0.2727	0.5332
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1923	0.1613
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.1354	0.8442
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.9234	0.0085	0.9234	0.9144	0.1025
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8571	0.0476	0.8571	0.8187	0.1902
la2s-wc	0.8543	0.0486	0.8543	0.8149	0.2273
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5882	0.0206	0.5882	0.5692	0.0887
led24	0.6500	0.0700	0.6500	0.6034	0.1278
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9245	0.0058	0.9245	0.9215	0.0838
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8213	0.0686
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.6765	0.3235	0.6765	0.2429	0.8721
localization	0.5022	0.0905	0.5022	0.2975	0.3536
lrs	0.8113	0.0377	0.8113	0.7410	0.1419
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5423	0.4577	0.5423	0.0846	0.9645
magic04	0.7922	0.2078	0.7922	0.4830	0.5190

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7596	0.3519
messidor	0.6435	0.3565	0.6435	0.3172	0.7726
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9234	0.0743
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0566
mfeat-fou	0.7600	0.0480	0.7600	0.7333	0.2067
mfeat-kar	0.9300	0.0140	0.9300	0.9222	0.0860
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.1966
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0435
mfeat-zer	0.7650	0.0470	0.7650	0.7389	0.1765
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0118
mines	0.5294	0.1882	0.5294	0.4093	0.5122
mobile	0.8322	0.0060	0.8322	0.8291	0.0762
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9303	0.0697	0.9303	0.6730	0.1844
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9908
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.8067
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.6228	0.3772	0.6228	0.1369	0.6293
MUT_ci300400a_cdk_ECFP2	0.6127	0.3873	0.6127	0.0896	0.6131
myocardial	0.8941	0.0265	0.8941	0.4740	0.0892
naticusdroid	0.9581	0.0419	0.9581	0.9161	0.2276
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.9160	0.0088	0.9160	0.7521	0.1913
newspop	0.5330	0.4670	0.5330	0.0021	0.5453
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9515	0.0485	0.9515	0.8809	0.2904
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0630	0.7723
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.1003
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9109	0.0178	0.9109	0.8978	0.0894
oh10-wc	0.7714	0.0457	0.7714	0.7392	0.2116
oh15-wc	0.8370	0.0326	0.8370	0.8145	0.1531
oh5-wc	0.8352	0.0330	0.8352	0.8142	0.1603
opn310k	0.9118	0.0882	0.9118	0.0665	0.2598
opnat310k-hg16-17	0.9122	0.0878	0.9122	0.0798	0.2740
optdigits	0.9573	0.0085	0.9573	0.9525	0.0596
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7250	0.0138	0.7250	0.7179	0.0487
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9289	0.0711	0.9289	0.0932	0.1761
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8858	0.2847

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8887	0.1113	0.8887	0.7172	0.5001
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5670	0.4330	0.5670	-0.0143	0.7881
pd	0.9211	0.0789	0.9211	0.7736	0.3429
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9882	0.0024	0.9882	0.9868	0.0209
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5853	0.6027
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6375	0.5979
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.4898	0.7465
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9878	0.0122	0.9878	0.9744	0.0960
phoneme	0.8222	0.1778	0.8222	0.5943	0.6411
phy	0.6320	0.3680	0.6320	0.2620	0.8038
pima	0.6842	0.3158	0.6842	0.2621	0.7280
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7680	0.0439	0.7791	0.5814	0.1797
polish-1st	0.9744	0.0256	0.9744	0.5155	0.2168
polish-2nd	0.9607	0.0393	0.9607	0.0440	0.2395
polish-3rd	0.9505	0.0495	0.9505	0.0302	0.3606
polish-4th	0.9592	0.0408	0.9592	0.4419	0.3694
polish-5th	0.9526	0.0474	0.9526	0.4968	0.2932
polya	0.6465	0.3535	0.6465	0.0238	0.5645
popularity	0.6315	0.2456	0.6315	0.0025	0.3208
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9300	0.0280	0.9300	0.9123	0.1106
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.8676
primary-tumor	0.3030	0.0634	0.3030	0.2302	0.2663
profb	0.6716	0.3284	0.6716	0.1350	0.8493
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9588	0.0165	0.9588	0.9445	0.0752
pufs-6410%	0.5011	0.4989	0.5011	0.0023	0.9994
raisin	0.8444	0.1556	0.8444	0.6889	0.5491
re0-wc	0.7867	0.0328	0.7867	0.7162	0.2139
re1-wc	0.8133	0.0149	0.8133	0.7866	0.1479
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5936	0.4064	0.5936	0.0068	0.5526
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0024
satimage	0.8600	0.0467	0.8600	0.8254	0.1660
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.8989	0.1011	0.8989	0.0240	0.3137
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6822	0.3178	0.6822	0.3989	0.5093
segment	0.9610	0.0111	0.9610	0.9544	0.0503
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sens-4-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sensorless	0.9956	0.0008	0.9956	0.9951	0.0091
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8873	0.1127	0.8873	0.5257	0.5964
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9814	0.0186	0.9814	0.8472	0.2891
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9959	0.0041	0.9959	0.9877	0.0650
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7698	0.0767	0.7698	0.7059	0.2240
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9370	0.0630	0.9370	0.8660	0.2874
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5094	0.0204	0.5094	0.4814	0.1456
splice-EI	0.9748	0.0252	0.9748	0.9337	0.2013
splice-IE	0.9432	0.0568	0.9432	0.8428	0.3504
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.1231	0.5404
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8827	0.0782	0.8827	0.8099	0.2562
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7077	0.2923	0.7077	0.2207	0.6125
steel-p	0.9128	0.0872	0.9128	0.0815	0.5290
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.6154	0.2564	0.6154	0.3868	0.4606
student-weekend	0.3385	0.2646	0.3385	0.0438	0.7352
student-workday	0.7188	0.1125	0.7188	0.1286	0.2244
susy10%	0.7464	0.2536	0.7464	0.4728	0.6475
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5288
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9764	0.0043	0.9764	0.9739	0.0341
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8863	0.1137	0.8863	0.6758	0.5048
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.4706	0.5294	0.4706	-0.2047	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	-0.0345	0.9007
trec11-wc	0.9024	0.0217	0.9024	0.8809	0.0926
trec12-wc	0.9032	0.0242	0.9032	0.8843	0.0700

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8648	0.0471
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9432	0.0462
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8750	0.0625	0.8750	0.8333	0.1553
tvnews	0.8018	0.1982	0.8018	0.5345	0.5754
urban	0.8507	0.0332	0.8507	0.8252	0.1251
vehicle	0.8333	0.0833	0.8333	0.7731	0.2014
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5657	0.0790	0.5657	0.5222	0.2411
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.8077	0.0192	0.8077	0.7843	0.1449
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0925
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9440	0.0160	0.9440	0.9345	0.0522
watch-gyr10%	0.9515	0.0139	0.9515	0.9434	0.0482
waveform	0.7920	0.1387	0.7920	0.6882	0.4172
web-phishing	0.8815	0.0790	0.8815	0.7910	0.3533
weight-lift	0.9952	0.0019	0.9952	0.9939	0.0124
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.3823	0.3586
winequality-white	0.4703	0.1513	0.4703	0.0770	0.4081
winnipeg	0.9997	0.0062	0.9726	0.9483	0.0489
yale	0.5625	0.0583	0.5625	0.5333	0.1022
yeast	0.5405	0.0919	0.5405	0.4086	0.3425
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.9344	0.0131	0.9344	0.9265	0.1010
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 53: Detailed results for SSAdaBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0000	0.0690	0.0000	0.0000	0.3644
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9634	0.0366	0.9634	0.8331	0.1869
adult	0.8628	0.1372	0.8628	0.5811	0.5622
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.3497	0.6503	0.3497	-0.0003	0.0020
AID373red	0.9967	0.0033	0.9967	-0.0014	0.3657
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5676	0.4324	0.5676	0.0633	0.9597
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9794	0.0206	0.9794	-0.0019	0.0742
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9590	0.0410	0.9590	0.0062	0.0451
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.7231	0.2769	0.7231	0.3906	0.6967
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.8971	0.0515	0.8971	0.7958	0.1824
anuran-f-b	0.9972	0.0028	0.9972	0.7987	0.0133
anuran-genus	0.8985	0.0254	0.8985	0.8260	0.2091
anuran-species	0.9083	0.0183	0.9083	0.8724	0.1620
aps-failure	0.0187	0.9813	0.0187	-0.0057	0.0712
arcene	0.5500	0.4500	0.5500	0.1509	0.8702
arrhythmia	0.7111	0.0444	0.7111	0.4957	0.2101
auction	0.9461	0.0539	0.9461	0.7450	0.4058
audiology	0.6522	0.0290	0.6522	0.5789	0.1142
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6500	0.1167	0.6500	0.5189	0.2188
avila	0.7441	0.0426	0.7441	0.6437	0.2510
balance	0.8065	0.1290	0.8065	0.6353	0.3211
bank	0.9077	0.0923	0.9077	0.5109	0.6009
banknote	0.8759	0.1241	0.8759	0.7484	0.4995

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8387	0.1613	0.8387	0.6237	0.5005
basehock	0.5779	0.4221	0.5779	0.1593	0.5205
bio	0.9835	0.0165	0.9835	0.4177	0.5228
biodeg	0.8381	0.1619	0.8381	0.6584	0.6010
biomed	0.8571	0.1429	0.8571	0.6736	0.3386
bitcoin10%	0.0063	0.0685	0.0063	0.0034	0.0641
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.6429	0.3571	0.6429	0.1250	0.8994
breast-cancer-co	0.7273	0.2727	0.7273	0.4590	0.7617
breast-cancer-ma	0.6364	0.3636	0.6364	0.2414	0.8512
breast-tissue	0.2727	0.2424	0.2727	0.0000	0.3750
bridges	0.6000	0.1143	0.6000	0.3548	0.1756
bub10at310k-hg16-17	0.0878	0.9122	0.0878	-0.0108	0.2597
bze_3d_rdkit_descriptors	0.8049	0.1951	0.8049	0.3811	0.7348
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9023	0.0489	0.9023	0.8004	0.2708
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.7934	0.0413	0.7934	0.7492	0.2149
cardiotocography-nsp	0.8967	0.0689	0.8967	0.7071	0.3789
cargo2k	0.9898	0.0068	0.9898	0.9848	0.0347
cars	0.6750	0.2167	0.6750	0.3988	0.5889
cas_N6512_cdk_ECFP2	0.5653	0.4347	0.5653	0.0628	0.5944
cdc_diabetes	0.8478	0.1014	0.8478	0.1911	0.3220
census10%	0.9455	0.0545	0.9455	0.2574	0.3962
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.8605	0.1395	0.8605	0.7159	0.5084
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9995	0.0005	0.9995	0.7153	0.4120
ci100410h_MACCS	0.8125	0.1875	0.8125	0.2066	0.3453
ci200186.atompair_fp	0.7818	0.2182	0.7818	0.5570	0.6674
ci200186m_DESC_PADEL	0.7963	0.2037	0.7963	0.5846	0.6522
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.6071	0.6470
ci900367j_MACCS	0.6316	0.3684	0.6316	0.0470	0.6198
cirrhosis	0.6190	0.2540	0.6190	0.2240	0.4706
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7352	0.1324	0.7352	0.5833	0.4384
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.4167	0.3889	0.4167	-0.0769	0.5868
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5986	0.2676	0.5986	0.3612	0.6231
cnae-9	0.8426	0.0350	0.8426	0.8229	0.1445
codon_usage	0.7015	0.0543	0.7015	0.6300	0.3150
coil20	0.7917	0.0208	0.7917	0.7807	0.1166
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.0000	0.4644
colposcopies-1	0.5862	0.4138	0.5862	-0.1299	0.9094
colposcopies-2	0.6552	0.3448	0.6552	0.1471	0.7403
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.5172	0.4828	0.5172	0.0146	0.9283
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.8065	0.1935	0.8065	0.5991	0.6096
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9375	0.0416	0.9375	0.1626	0.4493
cottonmeloidogyne	0.5481	0.4519	0.5481	0.0884	0.6048
coupon	0.6806	0.3194	0.6806	0.3383	0.8464
covtype	0.6721	0.0937	0.6721	0.4609	0.3281
covtypeCD	0.9617	0.0383	0.9617	0.8303	0.2960
covtypeT	0.9670	0.0330	0.9670	0.7218	0.3654
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8313	0.0562	0.8313	0.5984	0.2342
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0625	0.0469	0.0625	0.0400	0.1956
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.3846	0.6154	0.3846	0.0714	0.2575
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.8277	0.1723	0.8277	0.3937	0.6262
deposit	0.8965	0.1035	0.8965	0.4146	0.6135
dermatology	0.9189	0.0270	0.9189	0.8989	0.0903
desharnais	0.5000	0.3333	0.5000	0.2000	0.4540
dexter	0.5833	0.4167	0.5833	0.1667	0.5193
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6129	0.3731
diabetes	0.8654	0.1346	0.8654	0.7016	0.4529
diabetic10%	0.1395	0.5737	0.1395	0.0027	0.4577
diagnosis	0.5833	0.4167	0.5833	0.0000	0.5068
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5833	0.4167	0.5833	0.1429	0.9438
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5584	0.4416	0.5584	0.0901	0.9073
dropout	0.7111	0.1926	0.7111	0.5212	0.5355
drug-01	0.3883	0.1748	0.3883	0.0040	0.4253
drug-02	0.4894	0.1459	0.4894	-0.0035	0.4064
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5266	0.1353	0.5266	0.0307	0.3670
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4043	0.1702	0.4043	0.2388	0.5298
drug-07	0.4043	0.1702	0.4043	-0.0400	0.3220
drug-08	0.5585	0.1261	0.5585	0.0328	0.3049
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5266	0.1353	0.5266	0.1327	0.3965
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6330	0.1049	0.6330	0.2092	0.2754
drug-14	0.5904	0.1170	0.5904	0.1806	0.3749
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5745	0.1216	0.5745	0.2522	0.3734
drug-17	0.3723	0.1793	0.3723	0.1128	0.4906
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9060	0.0269	0.9060	0.8861	0.1478
ecoli	0.8235	0.0441	0.8235	0.7418	0.1134
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3090	0.0864	0.3090	0.2183	0.5176
eeg-eye	0.6182	0.3818	0.6182	0.1678	0.6330
EPA_FHM	0.9344	0.0656	0.9344	0.0000	0.1655
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5294	0.6440
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5333	0.7088
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.8871	0.1129	0.8871	0.7222	0.4693
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6059	0.6342
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6301	0.1479	0.6301	0.5196	0.3995
euthyroid	0.9620	0.0380	0.9620	0.7723	0.3520
exon.vs.intron-freq	0.9015	0.0985	0.9015	0.8025	0.4285
fbis-wc	0.6992	0.0354	0.6992	0.6519	0.2278
fda.atompair_fp	0.6818	0.3182	0.6818	-0.0845	0.8266
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.4500	0.1375	0.4500	0.2903	0.3361
fontaine_MACCS	0.8409	0.1591	0.8409	0.6778	0.5368
fonts10%	0.0125	0.0129	0.0125	0.0085	0.3588
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9188	0.0271	0.9188	0.9015	0.1574
gastrointestinal	0.7500	0.1667	0.7500	0.5616	0.2839
gender	0.5916	0.2723	0.5916	0.0078	0.3121
gene	0.9022	0.0652	0.9022	0.8445	0.2674
german	0.6300	0.3700	0.6300	0.0842	0.9030
gina	0.8300	0.1700	0.8300	0.6585	0.5584
glass	0.7619	0.0794	0.7619	0.6416	0.1658
glassBWFP	0.7619	0.2381	0.7619	0.5070	0.7331
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.8571	0.1429	0.8571	0.5039	0.3038
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.8750	0.1250	0.8750	0.6000	0.2846
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.2667	0.3667	0.2667	-0.0312	0.5460
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.0759	0.1540	0.0759	0.0523	0.3703
har70	0.9074	0.0233	0.9412	0.8906	0.1209
harth10%	0.6058	0.0657	0.6058	0.4866	0.2636
hayes-roth	0.3750	0.4167	0.3750	-0.0390	0.5822
hcc-survival	0.4118	0.5882	0.4118	-0.1184	0.9827
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5982	0.6654
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7898	0.2102	0.7898	0.5788	0.5787
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.7692	0.2308	0.7692	0.0000	0.3833
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5529	0.4471	0.5529	0.0537	0.5897
higher	0.2857	0.1786	0.2857	0.1083	0.3027
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8634	0.1366	0.8634	0.4776	0.6496
hiva	0.8936	0.1064	0.8936	0.0711	0.4977
horse	0.6667	0.2222	0.6667	0.3656	0.4294
htru2	0.9777	0.0223	0.9777	0.8554	0.1927
ht-sensor	0.6323	0.2451	0.6323	0.4602	0.4189
hypothyroid	0.9867	0.0066	0.9867	0.9151	0.0205
hypothyroidT	0.9920	0.0080	0.9920	0.9431	0.1266
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8571	0.1429	0.8571	0.6220	0.3213
iris	0.4000	0.4000	0.4000	0.0000	0.4035
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7689	0.0178	0.7689	0.7597	0.1830
jm1	0.8099	0.1901	0.8099	0.0520	0.4433
fvowels	0.8133	0.0415	0.8133	0.7881	0.2492
kc1	0.8389	0.1611	0.8389	0.2832	0.7176
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.0000	0.1526
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.3440	0.7669
kidney-disease	0.9000	0.1000	0.9000	0.7867	0.4462
krkopt	0.6578	0.0380	0.6578	0.6172	0.3424
krvskp	0.9687	0.0313	0.9687	0.9372	0.1857
la1s-wc	0.3206	0.2265	0.3206	0.1533	0.6335
la2s-wc	0.2053	0.2649	0.2053	0.1025	0.4645
labor	0.6667	0.3333	0.6667	0.2500	0.8750
leaf	0.0588	0.0471	0.0588	0.0000	0.3521
led24	0.7000	0.0600	0.7000	0.6629	0.1278
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8115	0.0145	0.8115	0.8039	0.1962
leukemia	0.5714	0.2857	0.5714	0.3824	0.4506
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.3333	0.0889	0.3333	0.2848	0.2578
linkage10%	0.9156	0.0844	0.9156	0.0732	0.1102
liver	0.6471	0.3529	0.6471	0.2635	0.8463
localization	0.5500	0.0818	0.5500	0.3863	0.3756
lrs	0.7170	0.0566	0.7170	0.6029	0.1955
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.8095	0.0762	0.8095	0.5692	0.1321
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.7500	0.1000	0.7500	0.4048	0.2661
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.5000	0.1429	0.5000	0.3333	0.2410
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.5556	0.0988	0.5556	0.3684	0.2152
madelon	0.4962	0.5038	0.4962	-0.0077	0.7005
magic04	0.7938	0.2062	0.7938	0.4980	0.5876

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6216	0.6337
MAO_MACCS	0.4286	0.5714	0.4286	-0.2727	1.0000
maternal	0.6040	0.2640	0.6040	0.3991	0.5998
messidor	0.6609	0.3391	0.6609	0.3476	0.7637
meter-A	0.6250	0.3750	0.6250	0.1429	0.9116
meter-B	0.7778	0.1481	0.7778	0.6727	0.2872
meter-C	0.7222	0.1389	0.7222	0.6137	0.2908
meter-D	0.7778	0.1111	0.7778	0.6870	0.2312
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.0961
mfeat-fou	0.7300	0.0540	0.7300	0.7000	0.2339
mfeat-kar	0.7750	0.0450	0.7750	0.7500	0.2362
mfeat-mor	0.7350	0.0530	0.7350	0.7056	0.1955
mfeat-pix	0.8750	0.0250	0.8750	0.8611	0.1393
mfeat-zer	0.6850	0.0630	0.6850	0.6500	0.2774
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.2647	0.2941	0.2647	0.0938	0.5403
mobile	0.7308	0.0096	0.7308	0.7259	0.1122
monks-1	0.7091	0.2909	0.7091	0.4118	0.4822
monks-2	0.6230	0.3770	0.6230	-0.0637	0.7809
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	0.9963	0.0037	0.9963	0.9926	0.0289
musk	0.8788	0.1212	0.8788	0.3407	0.3811
mutagen_class_1	0.4559	0.5441	0.4559	-0.0882	1.0000
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.8625
mutagen_class_3	0.4783	0.5217	0.4783	-0.0570	0.8170
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.7023
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3289	0.8430
MUT_ci300400a	0.6053	0.3947	0.6053	0.0874	0.5852
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0552	0.5970
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9424	0.0576	0.9424	0.8847	0.2785
nci9	0.1667	0.1852	0.1667	0.0909	0.2160
ncRNA10%	0.8473	0.0161	0.8473	0.5159	0.4381
newspop	0.5336	0.4664	0.5336	0.0030	0.5330
new-thyroid	0.5714	0.2857	0.5714	0.1000	0.4389
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9382	0.0618	0.9382	0.8471	0.3388
NPHA-doctor-visits	0.4861	0.3426	0.4861	-0.0145	0.6155
nursery	0.9707	0.0117	0.9707	0.9570	0.0636
obs	0.8426	0.0787	0.8426	0.7671	0.2008
occupancy	0.9898	0.0102	0.9898	0.9716	0.1181
Occupancy_Estimation	0.9822	0.0089	0.9822	0.9464	0.0804
oh0-wc	0.7822	0.0436	0.7822	0.7470	0.1634
oh10-wc	0.6190	0.0762	0.6190	0.5612	0.2737
oh15-wc	0.6739	0.0652	0.6739	0.6216	0.2580
oh5-wc	0.6593	0.0681	0.6593	0.6147	0.2312
opn310k	0.9102	0.0898	0.9102	0.1610	0.4935
opnat310k-hg16-17	0.1584	0.8416	0.1584	0.0029	0.2726
optdigits	0.8879	0.0224	0.8879	0.8754	0.1507
optdigitsZ	0.9929	0.0071	0.9929	0.9545	0.0312
orl	0.1000	0.0450	0.1000	0.0769	0.2175
orlraws10P	0.6000	0.0800	0.6000	0.5556	0.1096
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.5287	0.4713	0.5287	0.0071	0.0191
page-blocks	0.9598	0.0161	0.9598	0.7563	0.2305

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8346	0.1654	0.8346	0.6048	0.6385
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5773	0.4227	0.5773	-0.0103	0.5851
pd	0.7895	0.2105	0.7895	0.2889	0.6369
pediatric-leukemia	0.6765	0.0924	0.6765	0.5987	0.2830
pendigits	0.9190	0.0162	0.9190	0.9099	0.1102
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8196	0.1804	0.8196	0.5996	0.6510
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8828
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7143	0.5399
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3269	0.7462
Pgp_desc	0.7000	0.3000	0.7000	0.3182	0.7426
phishing	0.9388	0.0612	0.9388	0.8732	0.3159
phoneme	0.7926	0.2074	0.7926	0.5402	0.6716
phy	0.6354	0.3646	0.6354	0.2688	0.7892
pima	0.6842	0.3158	0.6842	0.2525	0.6773
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.6046	0.0791	0.6046	0.2541	0.3316
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9656	0.0344	0.9656	0.3019	0.3365
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9592	0.0408	0.9592	0.4276	0.3406
polish-5th	0.9492	0.0508	0.9492	0.4252	0.2424
polya	0.6432	0.3568	0.6432	0.0090	0.5383
popularity	0.6310	0.2460	0.6310	0.0004	0.3021
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8734	0.0507	0.8734	0.8417	0.1951
pred-tox_mutagen_ref-desc	0.5441	0.4559	0.5441	0.0882	0.9709
primary-tumor	0.4545	0.0496	0.4545	0.3714	0.2307
profb	0.6716	0.3284	0.6716	0.1350	0.8493
promoters	0.7000	0.3000	0.7000	0.4444	0.5112
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	0.7273	0.2727	0.7273	0.4762	0.4882
puc-rio	0.9191	0.0324	0.9191	0.8909	0.1499
pufs-6410%	0.4988	0.5012	0.4988	-0.0024	1.0000
raisin	0.9333	0.0667	0.9333	0.8667	0.3271
re0-wc	0.7000	0.0462	0.7000	0.5744	0.2271
re1-wc	0.0120	0.0790	0.0120	0.0000	0.3614
rejafada	0.0352	0.9648	0.0352	0.0000	0.0946
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	0.1750	0.3300	0.1750	0.0000	0.3826
rocket	0.5951	0.4049	0.5951	0.0084	0.5026
RT_IOT2022	0.0336	0.1611	0.0336	0.0000	0.1744
satimage	0.8320	0.0560	0.8320	0.7929	0.2447
satimageF	0.9751	0.0249	0.9751	0.8718	0.2860
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.6176	0.3824	0.6176	0.2353	0.9116
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.6404	0.3596	0.6404	0.3258	0.5197
segment	0.9177	0.0235	0.9177	0.9038	0.1032
segmentO	0.9870	0.0130	0.9870	0.9463	0.0533

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9748	0.0252	0.9748	0.8528	0.2322
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.7605	0.2395	0.7605	-0.0943	0.7914
sens-4-gram	0.7026	0.2974	0.7026	-0.0443	0.7343
sensorless	0.9092	0.0165	0.9092	0.9002	0.0891
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8767	0.1233	0.8767	0.3698	0.5099
shuttle	0.9990	0.0003	0.9990	0.9971	0.0150
sick	0.9682	0.0318	0.9682	0.6692	0.0989
sirtuin6	0.5000	0.5000	0.5000	0.0000	0.5283
skin	0.9906	0.0094	0.9906	0.9720	0.1205
smk_can_187	0.5789	0.4211	0.5789	0.1461	0.9386
solar-flare	0.7410	0.0863	0.7410	0.6661	0.2296
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9412	0.0062	0.9412	0.9353	0.0301
spambase	0.8913	0.1087	0.8913	0.7683	0.4426
spect	0.7037	0.2963	0.7037	0.2340	0.8108
spectf	0.7714	0.2286	0.7714	0.4043	0.7557
spectrometer	0.4340	0.0236	0.4340	0.3929	0.2077
splice-EI	0.9590	0.0410	0.9590	0.8952	0.2904
splice-IE	0.9338	0.0662	0.9338	0.8223	0.4003
sport-articles	0.8000	0.2000	0.8000	0.5757	0.6783
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8000	0.2000	0.8000	0.0749	0.3544
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.8841	0.0772	0.8841	0.8119	0.2571
steel-k	0.9487	0.0513	0.9487	0.8367	0.3064
steel-o	0.7077	0.2923	0.7077	0.2207	0.6125
steel-p	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9590	0.0410	0.9590	0.7772	0.4339
studentap	0.5385	0.3077	0.5385	0.2642	0.5144
student-weekend	0.3538	0.2585	0.3538	-0.0156	0.5370
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7568	0.2432	0.7568	0.4985	0.6832
swarm_aligned	0.7114	0.2886	0.7114	0.2546	0.8263
swarm_flocking	0.5104	0.4896	0.5104	0.0208	0.5697
swarm_grouped	0.3751	0.6249	0.3751	0.0000	0.5171
tae	0.5333	0.3111	0.5333	0.3000	0.5502
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.8745	0.0228	0.8745	0.8616	0.1383
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.7158	0.2842	0.7158	0.3488	0.8224
tis	0.7547	0.2453	0.7547	0.0166	0.4219
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.5789	0.1375
tox_171	0.6471	0.1765	0.6471	0.5342	0.2655
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	0.1355	0.8611
trec11-wc	0.7561	0.0542	0.7561	0.6789	0.1578
trec12-wc	0.7419	0.0645	0.7419	0.6865	0.1642

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4031	0.1560
trec23-wc	0.7619	0.0794	0.7619	0.6303	0.1696
trec31-wc	0.1505	0.2427	0.1505	0.0411	0.4081
trec41-wc	0.0227	0.1955	0.0227	0.0000	0.3666
trec45-wc	0.7826	0.0435	0.7826	0.7474	0.1804
tuandromd	0.9731	0.0269	0.9731	0.9165	0.2216
turkish	0.5750	0.2125	0.5750	0.4333	0.4563
tvnews	0.7691	0.2309	0.7691	0.4575	0.6658
urban	0.8358	0.0365	0.8358	0.8081	0.1590
vehicle	0.7381	0.1310	0.7381	0.6388	0.3743
vehicleVAN	0.8929	0.1071	0.8929	0.7273	0.5183
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.4040	0.1084	0.4040	0.3444	0.3013
vowelZ	0.8788	0.1212	0.8788	-0.0476	0.7114
vrnormat310k-hg16-17	0.7116	0.2884	0.7116	0.0972	0.5631
wap-wc	0.0449	0.0955	0.0449	0.0000	0.3701
warpar10p	0.2308	0.1538	0.2308	0.1447	0.2486
warppiel10p	0.4762	0.1048	0.4762	0.4181	0.1994
watch-acc10%	0.2060	0.2269	0.2060	0.0808	0.5413
watch-gyr10%	0.1404	0.2456	0.1404	0.0069	0.4123
waveform	0.7300	0.1800	0.7300	0.5947	0.4939
web-phishing	0.8444	0.1037	0.8444	0.7288	0.4342
weight-lift	0.4729	0.2109	0.4729	0.3361	0.5188
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0484
wilt	0.9607	0.0393	0.9607	0.3334	0.1140
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.5472	0.1509	0.5472	0.2384	0.4087
winequality-white	0.4683	0.1519	0.4683	0.0884	0.4407
winnipeg	0.8514	0.0424	0.8514	0.8138	0.1662
yale	0.2500	0.1000	0.2500	0.1967	0.2318
yeast	0.5676	0.0865	0.5676	0.4460	0.3478
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.8548	0.0290	0.8548	0.8372	0.1971
zoo	0.9000	0.0286	0.9000	0.8649	0.0447

Table 54: Detailed results for SSAdaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0096	0.0683	0.0096	-0.0042	0.4360
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9816	0.0184	0.9816	-0.0012	0.2266
ads	0.9634	0.0366	0.9634	0.8331	0.1869
adult	0.8626	0.1374	0.8626	0.5823	0.5664
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	-0.0184	0.5483
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9806	0.0194	0.9806	0.0151	0.0877
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6486	0.3514	0.6486	0.1943	0.7939
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.7000	0.3000	0.7000	0.1176	0.7934
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9985	0.0015	0.9985	-0.0007	0.5338
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8308	0.1692	0.8308	0.5545	0.6642
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9110	0.0445	0.9110	0.8250	0.1765
anuran-f-b	0.9944	0.0056	0.9944	0.4979	0.0237
anuran-genus	0.9166	0.0209	0.9166	0.8613	0.1815
anuran-species	0.9389	0.0122	0.9389	0.9151	0.1442
aps-failure	0.9747	0.0253	0.9747	0.4021	0.5666
arcene	0.6500	0.3500	0.6500	0.3396	0.7400
arrhythmia	0.7111	0.0444	0.7111	0.5047	0.2049
auction	0.9510	0.0490	0.9510	0.7721	0.3904
audiology	0.7826	0.0181	0.7826	0.7478	0.0548
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.5000	0.1667	0.5000	0.3174	0.3235
avila	0.7456	0.0424	0.7456	0.6509	0.2963
balance	0.8065	0.1290	0.8065	0.6406	0.4338
bank	0.9080	0.0920	0.9080	0.4817	0.5880
banknote	0.9051	0.0949	0.9051	0.8088	0.4181

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8318	0.1682	0.8318	0.6011	0.4632
basehock	0.6482	0.3518	0.6482	0.2989	0.5059
bio	0.9885	0.0115	0.9885	0.5033	0.5447
biodeg	0.8286	0.1714	0.8286	0.6257	0.6029
biomed	0.9048	0.0952	0.9048	0.7879	0.2720
bitcoin10%	0.9849	0.0010	0.9849	0.1056	0.0614
block10%	0.9617	0.0383	0.9617	0.0396	0.1679
block10%	0.9617	0.0383	0.9617	0.0396	0.1679
breast-cancer	0.7500	0.2500	0.7500	0.3636	0.7920
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.5455	0.1515	0.5455	0.4388	0.1779
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.7412	0.2588	0.7412	0.2225	0.5413
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.8851	0.0575	0.8851	0.7629	0.3001
card	0.8551	0.1449	0.8551	0.7081	0.5394
cardiotocography	0.7981	0.0404	0.7981	0.7560	0.2342
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7644	0.3353
cargo2k	0.9924	0.0051	0.9924	0.9886	0.0280
cars	0.7500	0.1667	0.7500	0.5365	0.5299
cas_N6512_cdk_ECFP2	0.5791	0.4209	0.5791	0.0975	0.6604
cdc_diabetes	0.8474	0.1017	0.8474	0.1915	0.3397
census10%	0.9495	0.0505	0.9495	0.3770	0.4310
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.8372	0.1628	0.8372	0.6560	0.6035
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9994	0.0006	0.9994	0.6687	0.3319
ci100410h_MACCS	0.7500	0.2500	0.7500	-0.0579	0.7500
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6986	0.5448
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6757	0.5611
ci200186m.ExtendedFingerprinter	0.8182	0.1818	0.8182	0.6071	0.6470
ci900367j_MACCS	0.6211	0.3789	0.6211	0.1289	0.9095
cirrhosis	0.6905	0.2063	0.6905	0.3592	0.4339
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7593	0.1204	0.7593	0.6119	0.4069
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5000	0.3333	0.5000	0.1220	0.6801
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5646	0.2902	0.5646	0.3265	0.6854
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0516
codon_usage	0.6884	0.0567	0.6884	0.6158	0.4304
coil20	0.7639	0.0236	0.7639	0.7514	0.1238
collins	0.5000	0.0667	0.5000	0.4447	0.2408
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6897	0.3103	0.6897	0.2606	0.8474
colposcopies-2	0.6552	0.3448	0.6552	0.1471	0.7403
colposcopies-3	0.6207	0.3793	0.6207	0.1448	0.8434
colposcopies-4	0.7586	0.2414	0.7586	0.2509	0.6936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.7241	0.2759	0.7241	0.4396	0.6621
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.6702	0.3064
column-3c	0.8065	0.1290	0.8065	0.6890	0.2725
connect-4	0.9732	0.0179	0.9732	0.3592	0.5353
cottonmeloidogyne	0.6514	0.3486	0.6514	0.3062	0.7477
coupon	0.6940	0.3060	0.6940	0.3665	0.8297
covtype	0.6793	0.0916	0.6793	0.4795	0.4738
covtypeCD	0.9727	0.0273	0.9727	0.8807	0.2350
covtypeT	0.9678	0.0322	0.9678	0.7319	0.3685
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8627	0.0458	0.8627	0.7040	0.3000
cryotherapy	0.4444	0.5556	0.4444	0.0000	0.5302
cultivars	0.1250	0.0437	0.1250	0.0977	0.2157
cyclopentane	0.6296	0.3704	0.6296	0.2373	0.9000
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.8267	0.1733	0.8267	0.3914	0.6315
deposit	0.8991	0.1009	0.8991	0.4476	0.6114
dermatology	0.9730	0.0090	0.9730	0.9661	0.0256
desharnais	0.5000	0.3333	0.5000	-0.1852	0.5710
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9038	0.0962	0.9038	0.7910	0.3835
diabetic10%	0.5363	0.3091	0.5363	0.0154	0.4820
diagnosis	0.5833	0.4167	0.5833	0.0000	0.5068
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.2000	0.8000	0.2000	-0.6667	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4167	0.5833	0.4167	-0.2727	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5580	0.4420	0.5580	0.0888	0.9048
dropout	0.7381	0.1746	0.7381	0.5387	0.4377
drug-01	0.3723	0.1793	0.3723	0.0671	0.7300
drug-02	0.4521	0.1565	0.4521	0.1324	0.7572
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5000	0.1429	0.5000	0.1153	0.6717
drug-05	0.7287	0.0775	0.7287	-0.0064	0.2524
drug-06	0.3670	0.1809	0.3670	0.2260	0.6379
drug-07	0.3670	0.1809	0.3670	-0.0323	0.6935
drug-08	0.5372	0.1322	0.5372	0.1311	0.7154
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.4840	0.1474	0.4840	0.0484	0.7081
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5904	0.1170	0.5904	0.1904	0.5014
drug-14	0.5745	0.1216	0.5745	0.2179	0.5905
drug-15	0.7606	0.0684	0.7606	0.0149	0.1831
drug-16	0.5372	0.1322	0.5372	0.2501	0.6278
drug-17	0.2766	0.2067	0.2766	0.0342	0.7211
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0161	0.1589
drybean	0.9148	0.0244	0.9148	0.8969	0.1403
ecoli	0.7059	0.0735	0.7059	0.5567	0.1962
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2351	0.0956	0.2351	0.1322	0.6157
eeg-eye	0.6088	0.3912	0.6088	0.1444	0.6133
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3092	0.4518
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.3902	0.7087
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.5722	0.4596
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5333	0.7088
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8703	0.1081
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9032	0.0968	0.9032	0.7581	0.3813
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.5271	0.6988
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6301	0.1479	0.6301	0.5152	0.3640
euthyroid	0.9589	0.0411	0.9589	0.7641	0.4069
exon.vs.intron-freq	0.6571	0.3429	0.6571	0.2891	0.6481
fbis-wc	0.7358	0.0311	0.7358	0.7005	0.2310
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.3000	0.1750	0.3000	0.1083	0.3395
fontaine_MACCS	0.7955	0.2045	0.7955	0.5751	0.6707
fonts10%	0.4939	0.0065	0.4990	0.4536	0.2795
forest	0.8269	0.0865	0.8269	0.7602	0.2146
gas	0.9159	0.0280	0.9159	0.8981	0.1501
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.4081
gender	0.5937	0.2709	0.5937	0.0154	0.3148
gene	0.9401	0.0400	0.9401	0.9042	0.1677
german	0.7000	0.3000	0.7000	0.2288	0.7345
gina	0.8242	0.1758	0.8242	0.6466	0.5453
glass	0.7143	0.0952	0.7143	0.5896	0.2558
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.5000	0.5283
glioma	0.4000	0.3000	0.4000	0.2500	0.1161
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2771	0.5769
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.5041	0.0826	0.5041	0.4285	0.4498
har70	0.9107	0.0229	0.9261	0.8945	0.1189
harth10%	0.8044	0.0326	0.8044	0.7331	0.2523
hayes-roth	0.3750	0.4167	0.3750	-0.0526	0.6257
hcc-survival	0.5882	0.4118	0.5882	0.0916	0.9258
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.7000	0.3000	0.7000	0.3891	0.8032
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7969	0.2031	0.7969	0.5931	0.5875
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5508	0.4492	0.5508	0.0489	0.5866
higher	0.2857	0.1786	0.2857	0.1463	0.3338
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8583	0.1417	0.8583	0.4513	0.6608
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6389	0.2407	0.6389	0.3237	0.4800
htru2	0.9788	0.0212	0.9788	0.8643	0.1995
ht-sensor	0.6355	0.2430	0.6355	0.4508	0.4517
hypothyroid	0.9814	0.0093	0.9814	0.8830	0.1062
hypothyroidT	0.9920	0.0080	0.9920	0.9431	0.1266
ilpd	0.7119	0.2881	0.7119	0.0475	0.6485
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9143	0.0857	0.9143	0.7853	0.2404
iris	0.4000	0.4000	0.4000	0.0000	0.4035
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4416	0.0430	0.4416	0.4193	0.3742
jm1	0.8118	0.1882	0.8118	0.1157	0.5659
fvowels	0.7651	0.0522	0.7651	0.7336	0.2819
kc1	0.8673	0.1327	0.8673	0.3323	0.5598
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.5000	0.5000
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	0.9500	0.0500	0.9500	0.8904	0.1808
krkopt	0.7152	0.0316	0.7152	0.6816	0.3100
krvskp	0.9875	0.0125	0.9875	0.9749	0.0919
la1s-wc	0.5905	0.1365	0.5905	0.4543	0.4067
la2s-wc	0.4636	0.1788	0.4636	0.2598	0.4198
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.0588	0.0471	0.0588	0.0268	0.2852
led24	0.5500	0.0900	0.5500	0.4930	0.1773
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8335	0.0128	0.8335	0.8268	0.1801
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.7143	0.2857	0.7143	0.3636	0.4644
libra	0.4722	0.0704	0.4722	0.4300	0.2261
linkage10%	0.9099	0.0901	0.9099	0.0638	0.1029
liver	0.7059	0.2941	0.7059	0.2946	0.8394
localization	0.5081	0.0894	0.5081	0.3598	0.4816
lrs	0.7170	0.0566	0.7170	0.6196	0.1976
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.8095	0.0762	0.8095	0.5692	0.1321
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5472	0.1046
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.6667	0.0741	0.6667	0.5263	0.1184
madelon	0.5154	0.4846	0.5154	0.0308	0.9070
magic04	0.7954	0.2046	0.7954	0.4990	0.5658

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6440	0.6197
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6238	0.2508	0.6238	0.4294	0.5619
messidor	0.6348	0.3652	0.6348	0.3050	0.7565
meter-A	0.5000	0.5000	0.5000	0.1579	0.5288
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.7778	0.1111	0.7778	0.6842	0.2109
meter-D	0.7778	0.1111	0.7778	0.6828	0.2443
mfeat-fac	0.8300	0.0340	0.8300	0.8111	0.1761
mfeat-fou	0.6500	0.0700	0.6500	0.6111	0.3126
mfeat-kar	0.6050	0.0790	0.6050	0.5611	0.3900
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.1926
mfeat-pix	0.8900	0.0220	0.8900	0.8778	0.1290
mfeat-zer	0.6150	0.0770	0.6150	0.5722	0.3604
mice-prot	0.6389	0.0903	0.6389	0.5864	0.3359
mines	0.3529	0.2588	0.3529	0.1940	0.5711
mobile	0.4161	0.0209	0.4161	0.4054	0.2580
monks-1	0.8364	0.1636	0.8364	0.6707	0.3950
monks-2	0.7049	0.2951	0.7049	0.2814	0.8143
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	0.9963	0.0037	0.9963	0.9926	0.0289
musk	0.8788	0.1212	0.8788	0.3331	0.3512
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9901
mutagen_class_2	0.4559	0.5441	0.4559	-0.0882	0.8234
mutagen_class_3	0.5217	0.4783	0.5217	0.0380	0.9602
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.7127
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2659	0.8890
MUT_ci300400a	0.6140	0.3860	0.6140	0.1134	0.6243
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0570	0.6187
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9526	0.0474	0.9526	0.9052	0.2450
nci9	0.1667	0.1852	0.1667	0.0625	0.2083
ncRNA10%	0.5470	0.0477	0.5470	0.2733	0.6932
newspop	0.5336	0.4664	0.5336	0.0030	0.5330
new-thyroid	0.9048	0.0635	0.9048	0.7586	0.1071
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9364	0.0636	0.9364	0.8454	0.3587
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0390	0.6685
nursery	0.9815	0.0074	0.9815	0.9729	0.0469
obs	0.9259	0.0370	0.9259	0.8896	0.1244
occupancy	0.9912	0.0088	0.9912	0.9756	0.1032
Occupancy_Estimation	0.9862	0.0069	0.9862	0.9580	0.0613
oh0-wc	0.8614	0.0277	0.8614	0.8407	0.1290
oh10-wc	0.6952	0.0610	0.6952	0.6562	0.2697
oh15-wc	0.7609	0.0478	0.7609	0.7282	0.1895
oh5-wc	0.7033	0.0593	0.7033	0.6678	0.2141
opn310k	0.6175	0.3825	0.6175	0.1408	0.4528
opnat310k-hg16-17	0.7843	0.2157	0.7843	0.2475	0.5876
optdigits	0.8897	0.0221	0.8897	0.8773	0.1417
optdigitsZ	0.9911	0.0089	0.9911	0.9436	0.0992
orl	0.2750	0.0362	0.2750	0.2564	0.1545
orlraws10P	0.6000	0.0800	0.6000	0.5556	0.1093
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.8981	0.1019	0.8981	0.0530	0.0823
page-blocks	0.9708	0.0117	0.9708	0.8261	0.1809

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.9474	0.0526	0.9474	0.8550	0.1675
particle	0.7337	0.2663	0.7337	0.4700	0.6245
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	-0.0297	0.6428
pcmac	0.5773	0.4227	0.5773	0.0019	0.7080
pd	0.8289	0.1711	0.8289	0.4348	0.5007
pediatric-leukemia	0.6765	0.0924	0.6765	0.6076	0.2828
pendigits	0.9427	0.0115	0.9427	0.9363	0.0897
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.4444	0.5556	0.4444	-0.3636	1.0000
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.6038	0.6383
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8430
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7782	0.4492
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9306	0.0694	0.9306	0.8552	0.3478
phoneme	0.7981	0.2019	0.7981	0.5549	0.6569
phy	0.6320	0.3680	0.6320	0.2619	0.7811
pima	0.6974	0.3026	0.6974	0.3318	0.8143
plx	0.5556	0.4444	0.5556	-0.2632	0.9745
poker	0.6212	0.0758	0.6212	0.3180	0.7575
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9612	0.0388	0.9612	0.4698	0.3320
polish-5th	0.9475	0.0525	0.9475	0.4157	0.3097
polya	0.6432	0.3568	0.6432	0.0107	0.5529
popularity	0.6310	0.2460	0.6310	0.0004	0.3021
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8061	0.0775	0.8061	0.7572	0.2343
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.7776
primary-tumor	0.3636	0.0579	0.3636	0.2870	0.2656
profb	0.7164	0.2836	0.7164	0.1750	0.4393
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9304	0.0278	0.9304	0.9059	0.1234
pufs-6410%	0.5012	0.4988	0.5012	0.0025	0.9989
raisin	0.9111	0.0889	0.9111	0.8222	0.3945
re0-wc	0.7133	0.0441	0.7133	0.6161	0.3969
re1-wc	0.5361	0.0371	0.5361	0.4723	0.2393
rejafada	0.0352	0.9648	0.0352	0.0000	0.0946
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	0.2250	0.3100	0.2250	0.0656	0.3512
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.1455	0.1424	0.1455	0.1296	0.2596
satimage	0.8227	0.0591	0.8227	0.7782	0.2116
satimageF	0.9751	0.0249	0.9751	0.8718	0.2860
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.4706	0.5294	0.4706	-0.0588	0.9973
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.6607	0.3393	0.6607	0.3612	0.5151
segment	0.9654	0.0099	0.9654	0.9595	0.0459
segmentO	0.9870	0.0130	0.9870	0.9463	0.0533

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9748	0.0252	0.9748	0.8528	0.2322
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.7211	0.2789	0.7211	-0.0747	0.7559
sens-4-gram	0.6184	0.3816	0.6184	0.0203	0.6520
sensorless	0.9268	0.0133	0.9268	0.9195	0.0692
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8897	0.1103	0.8897	0.5805	0.6055
shuttle	0.9990	0.0003	0.9990	0.9971	0.1035
sick	0.9788	0.0212	0.9788	0.8071	0.1898
sirtuin6	0.8000	0.2000	0.8000	0.6000	0.6644
skin	0.9906	0.0094	0.9906	0.9720	0.1207
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7338	0.0887	0.7338	0.6577	0.2231
sonar	0.5500	0.4500	0.5500	0.1000	0.9473
soybean	0.8824	0.0124	0.8824	0.8705	0.0680
spambase	0.9065	0.0935	0.9065	0.8013	0.4003
spect	0.8148	0.1852	0.8148	0.4304	0.7152
spectf	0.7429	0.2571	0.7429	0.2588	0.7661
spectrometer	0.3208	0.0283	0.3208	0.2792	0.2168
splice-EI	0.9621	0.0379	0.9621	0.9021	0.2747
splice-IE	0.9306	0.0694	0.9306	0.8130	0.4109
sport-articles	0.7900	0.2100	0.7900	0.5520	0.6977
squash-stored	0.6000	0.2667	0.6000	0.3333	0.3447
squash-unstored	0.6000	0.2667	0.6000	0.1667	0.4654
steel-b	0.8000	0.2000	0.8000	0.0749	0.3544
steel-d	0.9795	0.0205	0.9795	0.4922	0.0689
steel_industry	0.8858	0.0761	0.8858	0.8151	0.2588
steel-k	0.9538	0.0462	0.9538	0.8544	0.2918
steel-o	0.7231	0.2769	0.7231	0.2648	0.5619
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9744	0.0256	0.9744	0.8507	0.2860
studentap	0.6154	0.2564	0.6154	0.3868	0.5042
student-weekend	0.3846	0.2462	0.3846	0.1561	0.6978
student-workday	0.7344	0.1062	0.7344	0.1513	0.1964
susy10%	0.7577	0.2423	0.7577	0.5065	0.7284
swarm_aligned	0.7593	0.2407	0.7593	0.2904	0.4092
swarm_flocking	0.5891	0.4109	0.5891	0.1782	0.5257
swarm_grouped	0.4138	0.5862	0.4138	0.0472	0.5215
tae	0.2667	0.4889	0.2667	-0.1000	0.6924
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.9182	0.0149	0.9182	0.9098	0.0968
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.8211	0.1789	0.8211	0.5624	0.5708
tis	0.7509	0.2491	0.7509	0.0120	0.5115
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.1745
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.7647	0.2353	0.7647	0.3929	0.4155
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	0.0924	0.8701
trec11-wc	0.8780	0.0271	0.8780	0.8514	0.0980
trec12-wc	0.8710	0.0323	0.8710	0.8422	0.0855

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7576	0.0808	0.7576	0.3788	0.2564
trec23-wc	0.8571	0.0476	0.8571	0.7994	0.0982
trec31-wc	0.5054	0.1413	0.5054	0.3801	0.2708
trec41-wc	0.2500	0.1500	0.2500	0.1951	0.3336
trec45-wc	0.8841	0.0232	0.8841	0.8637	0.0767
tuandromd	0.9753	0.0247	0.9753	0.9231	0.2022
turkish	0.6250	0.1875	0.6250	0.5000	0.4622
tvnews	0.8314	0.1686	0.8314	0.6318	0.6159
urban	0.7313	0.0597	0.7313	0.6837	0.2035
vehicle	0.6905	0.1548	0.6905	0.5789	0.3998
vehicleVAN	0.9405	0.0595	0.9405	0.8485	0.3668
voice	0.7500	0.2500	0.7500	0.4000	0.7643
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.4747	0.0955	0.4747	0.4222	0.3701
vowelZ	0.8990	0.1010	0.8990	-0.0185	0.5421
vrnormat310k-hg16-17	0.8766	0.1234	0.8766	-0.0337	0.7188
wap-wc	0.1282	0.0872	0.1282	0.0685	0.4283
warpar10p	0.3846	0.1231	0.3846	0.3113	0.2039
warppie10p	0.6667	0.0667	0.6667	0.6307	0.1388
watch-acc10%	0.4321	0.1622	0.4321	0.3449	0.3810
watch-gyr10%	0.3430	0.1877	0.3430	0.2292	0.5784
waveform	0.7140	0.1907	0.7140	0.5711	0.5145
web-phishing	0.8593	0.0938	0.8593	0.7525	0.4006
weight-lift	0.4747	0.2101	0.4747	0.3511	0.4933
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9731	0.0269	0.9731	0.6971	0.4117
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.5031	0.1656	0.5031	0.2261	0.5200
winequality-white	0.4867	0.1467	0.4867	0.2253	0.5649
winnipeg	0.8617	0.0395	0.8617	0.8280	0.2710
yale	0.1875	0.1083	0.1875	0.1297	0.2751
yeast	0.5743	0.0851	0.5743	0.4506	0.4659
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.6849	0.0630	0.6849	0.6474	0.3024
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 55: Detailed results for ClusterBased

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1055	0.0617	0.1055	0.0309	0.6141
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9722	0.0278	0.9722	0.1219	0.5859
ads	0.9848	0.0152	0.9848	0.9350	0.1232
adult	0.8477	0.1523	0.8477	0.5352	0.6099
AID1284Morered	0.7500	0.2500	0.7500	-0.1408	0.8101
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8016	0.1984	0.8016	-0.0328	0.6707
AID1608Morered	0.8738	0.1262	0.8738	0.2515	0.6293
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7524	0.2476	0.7524	0.1646	0.8110
AID362red	0.9860	0.0140	0.9860	0.3932	0.5009
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5405	0.4595	0.5405	0.1128	0.9171
AID_602330	0.9323	0.0677	0.9323	0.0983	0.6373
AID604	0.9978	0.0022	0.9978	0.6946	0.4280
AID604AID644_AllRed	0.9987	0.0013	0.9987	-0.0005	0.5055
AID644Morered	0.6500	0.3500	0.6500	0.0278	0.9068
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.7879	0.1414	0.7879	0.1610	0.6205
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9955	0.0045	0.9955	-0.0020	0.5425
AID688red	0.9846	0.0154	0.9846	-0.0075	0.5641
AID721morered	0.8889	0.1111	0.8889	0.6087	0.2605
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9983	0.0017	0.9983	-0.0008	0.5343
AID746red	0.9890	0.0110	0.9890	0.1896	0.5348
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8154	0.1846	0.8154	0.5244	0.6822
all-aml	0.6667	0.3333	0.6667	0.4000	0.5283
anneal	0.9775	0.0090	0.9775	0.9525	0.1422
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9680	0.0160	0.9680	0.9389	0.0884
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9555	0.0111	0.9555	0.9266	0.1478
anuran-species	0.9514	0.0097	0.9514	0.9324	0.1043
aps-failure	0.9889	0.0111	0.9889	0.6294	0.3400
arcene	0.7000	0.3000	0.7000	0.4231	0.7161
arrhythmia	0.5333	0.0718	0.5333	0.3312	0.4263
auction	0.9559	0.0441	0.9559	0.7839	0.3041
audiology	0.3913	0.0507	0.3913	0.2682	0.2114
audit-risk	0.9359	0.0641	0.9359	0.8639	0.2894
autism-adolescent	0.8182	0.1818	0.8182	0.5600	0.3750
autism-adult	0.9143	0.0857	0.9143	0.7833	0.4388
autism-child	0.7931	0.2069	0.7931	0.5877	0.6595
autos	0.6000	0.1333	0.6000	0.4649	0.3375
avila	0.7111	0.0482	0.7111	0.6259	0.4615
balance	0.8387	0.1075	0.8387	0.7008	0.3906
bank	0.8985	0.1015	0.8985	0.5081	0.6293
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8134	0.1866	0.8134	0.5838	0.6466
basehock	0.8894	0.1106	0.8894	0.7791	0.4070
bio	0.9955	0.0045	0.9955	0.7250	0.3443
biodeg	0.7429	0.2571	0.7429	0.4468	0.7730
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9989	0.0000	0.9847	0.1527	0.3329
block10%	0.9999	0.0001	0.9999	0.9928	0.0211
block10%	0.9999	0.0001	0.9999	0.9928	0.0211
breast-cancer	0.6071	0.3929	0.6071	0.0000	0.9341
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2903	0.8322
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0434
bridges	0.6000	0.1143	0.6000	0.4595	0.2631
bub10at310k-hg16-17	0.9054	0.0946	0.9054	0.0587	0.4827
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	0.9000	0.1000	0.9000	0.7826	0.4011
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.8793	0.0603	0.8793	0.7485	0.3291
card	0.7826	0.2174	0.7826	0.5642	0.6819
cardiotocography	0.7512	0.0498	0.7512	0.7006	0.2599
cardiotocography-nsp	0.9014	0.0657	0.9014	0.7308	0.2958
cargo2k	0.9822	0.0118	0.9822	0.9733	0.0617
cars	0.7250	0.1833	0.7250	0.4575	0.5479
cas_N6512_cdk_ECFP2	0.6912	0.3088	0.6912	0.3812	0.8308
cdc_diabetes	0.8346	0.1102	0.8346	0.1336	0.4676
census10%	0.9448	0.0455	0.9389	0.4205	0.3668
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9302	0.0698	0.9302	0.4625	0.6076
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.5536	0.4782
cervical-S	0.9302	0.0698	0.9302	0.4669	0.4550
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9997	0.0003	0.9997	0.8315	0.1566
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.5724	0.6801
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.7636	0.2364	0.7636	0.4838	0.7450
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3794	0.8107
cirrhosis	0.6905	0.2063	0.6905	0.3710	0.4457
cjs	0.9607	0.0131	0.9607	0.9521	0.0704
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6787	0.1606	0.6787	0.5080	0.5898
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.6667	0.2222	0.6667	0.5000	0.2201
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.4830	0.3447	0.4830	0.1883	0.7674
cnae-9	0.6296	0.0823	0.6296	0.5833	0.3077
codon_usage	0.7559	0.0444	0.7559	0.7026	0.3981
coil20	0.8333	0.0167	0.8333	0.8246	0.0719
collins	0.5000	0.0667	0.5000	0.4484	0.2712
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.0963	0.9266
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.6552	0.3448	0.6552	0.3062	0.8632
colposcopies-4	0.7586	0.2414	0.7586	0.1714	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.5862	0.4138	0.5862	0.1594	0.8920
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.8387	0.1613	0.8387	0.6210	0.6099
column-3c	0.7742	0.1505	0.7742	0.6377	0.3937
connect-4	0.9799	0.0134	0.9799	0.4613	0.4484
cottonmeloidogyne	0.6707	0.3293	0.6707	0.3414	0.8569
coupon	0.6617	0.3383	0.6617	0.2969	0.8676
covtype	0.7496	0.0716	0.7496	0.5943	0.4036
covtypeCD	0.9796	0.0204	0.9796	0.9135	0.2186
covtypeT	0.9725	0.0275	0.9725	0.7874	0.3797
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8940	0.0353	0.8940	0.7911	0.4447
cryotherapy	0.8889	0.1111	0.8889	0.7805	0.3522
cultivars	0.0312	0.0484	0.0312	0.0030	0.2415
cyclopentane	0.4444	0.5556	0.4444	-0.1157	1.0000
cylinder-bands	0.7778	0.2222	0.7778	0.5404	0.7057
darwin	0.7222	0.2778	0.7222	0.4444	0.7837
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.7913	0.2087	0.7913	0.3131	0.7544
deposit	0.8803	0.1197	0.8803	0.4117	0.6699
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1111	0.5070
dexter	0.7833	0.2167	0.7833	0.5667	0.6441
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5292	0.7169
diabetes	0.8846	0.1154	0.8846	0.7562	0.4872
diabetic10%	0.5697	0.2827	0.5687	0.1561	0.5234
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.9375	0.0625	0.9375	0.8462	0.1967
dlbcl-harvard-outcome	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.6000	0.2846
dlbcl-nih	0.4583	0.5417	0.4583	-0.0685	0.9943
dlbcl-stanford	0.6000	0.4000	0.6000	0.2857	0.5283
dota2	0.5325	0.4675	0.5325	0.0445	0.9623
dropout	0.6727	0.2182	0.6727	0.4581	0.6024
drug-01	0.3670	0.1809	0.3670	0.1127	0.7341
drug-02	0.4255	0.1641	0.4255	0.1829	0.7279
drug-03	0.6223	0.1079	0.6223	0.0915	0.4581
drug-04	0.3883	0.1748	0.3883	0.0695	0.8460
drug-05	0.5319	0.1337	0.5319	-0.0612	0.8440
drug-06	0.3191	0.1945	0.3191	0.1816	0.7474
drug-07	0.3723	0.1793	0.3723	0.0122	0.6122
drug-08	0.3883	0.1748	0.3883	0.0748	0.7699
drug-09	0.8085	0.0547	0.8085	0.0337	0.5099
drug-10	0.4255	0.1641	0.4255	0.1041	0.7658
drug-11	0.7926	0.0593	0.7926	0.1331	0.6149
drug-12	0.7074	0.0836	0.7074	0.0866	0.6438
drug-13	0.4840	0.1474	0.4840	0.1261	0.8024
drug-14	0.4787	0.1489	0.4787	0.1747	0.8332
drug-15	0.6011	0.1140	0.6011	0.0824	0.8811
drug-16	0.4468	0.1581	0.4468	0.1549	0.6639
drug-17	0.2819	0.2052	0.2819	0.1096	0.8060
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6809	0.0912	0.6809	0.0735	0.5183
drybean	0.9030	0.0277	0.9030	0.8828	0.1606
ecoli	0.7941	0.0515	0.7941	0.7090	0.1059
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2715	0.0911	0.2715	0.1837	0.6413
eeg-eye	0.7991	0.2009	0.7991	0.5895	0.6578
EPA_FHM	0.9672	0.0328	0.9672	0.7325	0.4349
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3333	0.8409
er_tox_cdk_ECFP2	0.9000	0.1000	0.9000	0.7802	0.4527
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.4672	0.5906
er_tox_rdkit_AVALON	0.9016	0.0984	0.9016	0.5684	0.5984
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4227	0.7534
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.2017	0.6010
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5398	0.6686
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.5479	0.1808	0.5479	0.4194	0.5029
euthyroid	0.9589	0.0411	0.9589	0.7708	0.4215
exon.vs.intron-freq	0.9495	0.0505	0.9495	0.8990	0.2651
fbis-wc	0.5813	0.0493	0.5813	0.5191	0.3400
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5500	0.1125	0.5500	0.4194	0.2896
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.5421	0.0061	0.5319	0.5067	0.5639
forest	0.8846	0.0577	0.8846	0.8419	0.1786
gas	0.9288	0.0237	0.9288	0.9137	0.1100
gastrointestinal	0.6250	0.2500	0.6250	0.4074	0.5447
gender	0.5621	0.2919	0.5621	0.1207	0.6757
gene	0.8076	0.1283	0.8076	0.6913	0.4391
german	0.6900	0.3100	0.6900	0.2654	0.8432
gina	0.7867	0.2133	0.7867	0.5729	0.6870
glass	0.8095	0.0635	0.8095	0.7299	0.1711
glassBWFP	0.9048	0.0952	0.9048	0.8073	0.3522
glassBWNFP	0.7143	0.2857	0.7143	0.3571	0.8215
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.8182	0.1818	0.8182	0.2787	0.3900
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6829	0.5779
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.3333	0.3333	0.3333	0.0683	0.5017
haberman	0.7667	0.2333	0.7667	0.2553	0.6855
hapt	0.8756	0.0207	0.8756	0.8528	0.1209
har70	0.8754	0.0356	0.8754	0.8185	0.2677
harth10%	0.8570	0.0254	0.8484	0.7764	0.2049
hayes-roth	0.3750	0.4167	0.3750	0.0062	0.6221
hcc-survival	0.5882	0.4118	0.5882	0.1314	0.9439
heart	0.6667	0.3333	0.6667	0.2997	0.8682
heart-c	0.8667	0.1333	0.8667	0.7273	0.3522
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7765	0.2073	0.8008	0.5810	0.5914
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.6500	0.3500	0.6500	0.1250	0.9054
higgs10%	0.5404	0.4404	0.5546	0.0470	0.5779
higher	0.2143	0.1964	0.2143	0.0191	0.4192
hinselmann	0.5000	0.5000	0.5000	-0.3158	0.8298
hiv1-proteasa	0.8297	0.1703	0.8297	0.4044	0.7179
hiva	0.9527	0.0473	0.9527	0.1439	0.6131
horse	0.5833	0.2778	0.5833	0.1615	0.4553
htru2	0.9659	0.0341	0.9659	0.7969	0.3866
ht-sensor	0.9903	0.0065	0.9903	0.9853	0.0374
hypothyroid	0.9549	0.0225	0.9549	0.7416	0.2051
hypothyroidT	0.9761	0.0239	0.9761	0.8292	0.3201
ilpd	0.6102	0.3898	0.6102	0.0661	0.9159
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.9000	0.1000	0.9000	0.7981	0.4343
isolet	0.6059	0.0303	0.6059	0.5901	0.2466
jm1	0.8017	0.1983	0.8017	0.2292	0.7491
fvowels	0.8655	0.0299	0.8655	0.8476	0.1974
kc1	0.8531	0.1469	0.8531	0.3368	0.6769
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2462	0.1649
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	0.9750	0.0250	0.9750	0.9459	0.1112
krkopt	0.6139	0.0429	0.6139	0.5683	0.4161
krvskp	0.9592	0.0408	0.9592	0.9184	0.2259
la1s-wc	0.5053	0.1641	0.5193	0.3213	0.3143
la2s-wc	0.5044	0.1722	0.4862	0.2882	0.3263
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.2059	0.0397	0.2059	0.1737	0.1469
led24	0.5000	0.1000	0.5000	0.4382	0.2121
lenses	1.0000	0.0000	0.9856	0.9933	0.0000
letter	0.6130	0.0298	0.6130	0.5975	0.3655
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.5714	0.4286	0.5714	0.0870	0.9466
libra	0.6111	0.0519	0.6111	0.5817	0.1373
linkage10%	1.0000	0.0001	1.0000	0.9877	0.0206
liver	0.5882	0.4118	0.5882	0.1408	0.8953
localization	0.4810	0.0944	0.4810	0.2961	0.4224
lrs	0.7547	0.0491	0.7547	0.6613	0.1654
lsvt	0.9231	0.0769	0.9231	0.8060	0.2236
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1791
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5263	0.4308
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5654	0.4346	0.5654	0.1308	0.9554
magic04	0.8322	0.1678	0.8322	0.6200	0.6077

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.5714	0.4286	0.5714	0.1600	0.9174
maternal	0.7327	0.1782	0.7327	0.5919	0.4735
messidor	0.6348	0.3652	0.6348	0.2535	0.8987
meter-A	0.5000	0.5000	0.5000	0.1579	0.5288
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7672	0.1987
meter-D	0.7778	0.1111	0.7778	0.6883	0.2325
mfeat-fac	0.8900	0.0220	0.8900	0.8778	0.1293
mfeat-fou	0.7350	0.0530	0.7350	0.7056	0.2347
mfeat-kar	0.8650	0.0270	0.8650	0.8500	0.1552
mfeat-mor	0.6350	0.0730	0.6350	0.5944	0.2559
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0974
mfeat-zer	0.6650	0.0670	0.6650	0.6278	0.2637
mice-prot	0.8426	0.0394	0.8426	0.8201	0.1689
mines	0.4706	0.2118	0.4706	0.3348	0.4911
mobile	0.4499	0.0198	0.4532	0.4258	0.2051
monks-1	0.6364	0.3636	0.6364	0.2754	0.8752
monks-2	0.8197	0.1803	0.8197	0.5663	0.5745
monks-3	0.7857	0.2143	0.7857	0.5731	0.6723
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9182	0.0818	0.9182	0.6894	0.5179
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9620
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7701
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.1680	0.9377
MUT_ci300400a	0.7870	0.2130	0.7870	0.5641	0.6933
MUT_ci300400a_cdk_ECFP2	0.7686	0.2314	0.7686	0.5357	0.7064
myocardial	0.7941	0.0515	0.7941	0.1693	0.5984
naticusdroid	0.9666	0.0334	0.9666	0.9332	0.1970
nci9	1.0000	0.0000	1.0000	1.0000	0.0000
ncRNA10%	0.8972	0.0091	0.8912	0.7591	0.4370
newspop	0.6299	0.3701	0.6299	0.2523	0.9002
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	0.9824	0.0176	0.9824	0.9309	0.0683
nomao	0.9391	0.0609	0.9391	0.8495	0.3369
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0334	0.7516
nursery	0.9660	0.0136	0.9660	0.9502	0.0891
obs	0.9444	0.0278	0.9444	0.9172	0.1267
occupancy	0.9912	0.0088	0.9912	0.9754	0.0909
Occupancy_Estimation	0.9852	0.0074	0.9852	0.9549	0.0666
oh0-wc	0.6436	0.0713	0.6436	0.5921	0.2107
oh10-wc	0.5619	0.0876	0.5619	0.4919	0.3290
oh15-wc	0.4783	0.1043	0.4783	0.4092	0.3319
oh5-wc	0.3297	0.1341	0.3297	0.2257	0.4829
opn310k	0.9042	0.0958	0.9042	0.0544	0.5057
opnat310k-hg16-17	0.9058	0.0942	0.9058	0.0612	0.4743
optdigits	0.8826	0.0235	0.8826	0.8694	0.1507
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.2750	0.0362	0.2750	0.2564	0.1810
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0480
ovarian-cancer	0.9200	0.0800	0.9200	0.8344	0.3322
ozone1hr	0.9565	0.0435	0.9565	0.2452	0.5959
ozone8hr	0.8972	0.1028	0.8972	0.2226	0.6793
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9744	0.0102	0.9744	0.8533	0.1456

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9500	0.0500	0.9500	0.8972	0.2733
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.8838	0.1162	0.8838	0.7198	0.5277
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.9189	0.0811	0.9189	0.3567	0.6383
pcmac	0.5464	0.4536	0.5464	-0.0459	0.8881
pd	0.8289	0.1711	0.8289	0.5185	0.6657
pediatric-leukemia	0.5588	0.1260	0.5588	0.4586	0.3729
pendigits	0.9281	0.0144	0.9281	0.9201	0.0992
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.7320	0.2680	0.7320	0.4241	0.7824
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8460
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6987	0.5557
P-Glycoprotein_RDkit_AtomPair_FP	0.5500	0.4500	0.5500	0.0816	0.9698
Pgp_desc	0.7000	0.3000	0.7000	0.3478	0.8165
phishing	0.9469	0.0531	0.9469	0.8872	0.2581
phoneme	0.8704	0.1296	0.8704	0.6795	0.5590
phy	0.6516	0.3484	0.6516	0.3026	0.8699
pima	0.7237	0.2763	0.7237	0.3973	0.7848
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.6676	0.0665	0.6676	0.4065	0.5916
polish-1st	0.9388	0.0612	0.9388	0.0911	0.6329
polish-2nd	0.9459	0.0541	0.9459	0.1978	0.6236
polish-3rd	0.9390	0.0610	0.9390	0.2075	0.6286
polish-4th	0.9459	0.0541	0.9459	0.4140	0.5870
polish-5th	0.9171	0.0829	0.9171	0.3028	0.6484
polya	0.6886	0.3114	0.6886	0.3225	0.8477
popularity	0.6255	0.2497	0.6255	0.1001	0.6344
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.8885	0.0446	0.8885	0.8606	0.1892
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8580
primary-tumor	0.3333	0.0606	0.3333	0.2577	0.2846
profb	0.5672	0.4328	0.5672	0.0925	0.9167
promoters	0.7000	0.3000	0.7000	0.4444	0.5112
prostate	0.7143	0.2857	0.7143	0.4167	0.8058
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9717	0.0113	0.9717	0.9621	0.0800
pufs-6410%	0.5017	0.4983	0.5017	0.0034	0.9987
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.6533	0.0533	0.6533	0.5105	0.2582
re1-wc	0.5783	0.0337	0.5783	0.4994	0.2232
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9668	0.0399
rocket	0.6139	0.3861	0.6139	0.2163	0.9086
RT_IOT2022	0.9163	0.0139	0.9163	0.8164	0.2023
satimage	0.8569	0.0477	0.8569	0.8238	0.2177
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.8974	0.1026	0.8974	0.4713	0.6415
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5000	0.5000	0.5000	0.0000	0.9994
secom	0.8654	0.1346	0.8654	-0.0720	0.6558
secondary_mushroom	0.9948	0.0052	0.9948	0.9894	0.0403
segment	0.9524	0.0136	0.9524	0.9443	0.0631
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8915	0.1085	0.8915	0.0674	0.6833
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.7658	0.2342	0.7658	0.0006	0.7768
sens-2-gram	0.8132	0.1868	0.8132	0.0811	0.7781
sens-3-gram	0.7895	0.2105	0.7895	0.0464	0.7812
sens-4-gram	0.8523	0.1509	0.8358	-0.0065	0.6536
sensorless	0.9415	0.0106	0.9415	0.9357	0.0752
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8605	0.1395	0.8605	0.4434	0.6768
shuttle	0.9791	0.0060	0.9791	0.9408	0.0960
sick	0.9576	0.0424	0.9576	0.6143	0.4497
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.9994	0.0006	0.9994	0.9981	0.0109
smk_can_187	0.5789	0.4211	0.5789	0.1556	0.9466
solar-flare	0.7266	0.0911	0.7266	0.6519	0.2783
sonar	0.8000	0.2000	0.8000	0.6000	0.4308
soybean	0.7941	0.0217	0.7941	0.7735	0.1003
spambase	0.8696	0.1304	0.8696	0.7267	0.5234
spect	0.8148	0.1852	0.8148	0.4944	0.7008
spectf	0.8286	0.1714	0.8286	0.5227	0.5679
spectrometer	0.1698	0.0346	0.1698	0.1180	0.3055
splice-EI	0.8738	0.1262	0.8738	0.6763	0.5681
splice-IE	0.8612	0.1388	0.8612	0.6327	0.6054
sport-articles	0.8000	0.2000	0.8000	0.5757	0.6783
squash-stored	0.6000	0.2667	0.6000	0.3750	0.4000
squash-unstored	0.4000	0.4000	0.4000	-0.0714	0.4316
steel-b	0.8308	0.1692	0.8308	0.5037	0.6880
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8747	0.0835	0.8747	0.7963	0.2599
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7590	0.2410	0.7590	0.4639	0.7564
steel-p	0.9231	0.0769	0.9231	0.4744	0.6071
steel-s	0.9795	0.0205	0.9795	0.7039	0.3276
steel-z	0.9436	0.0564	0.9436	0.7245	0.5075
studentap	0.5385	0.3077	0.5385	0.2642	0.5540
student-weekend	0.2154	0.3138	0.2154	-0.0467	0.7871
student-workday	0.5938	0.1625	0.5938	0.0551	0.6037
susy10%	0.7632	0.2368	0.7632	0.5168	0.7130
swarm_aligned	0.9833	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	0.9906	0.9922	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.6925
Tdp_desc	0.7500	0.2500	0.7500	0.2430	0.8165
texture	0.9000	0.0182	0.9000	0.8897	0.1173
theorem	0.9525	0.0475	0.9525	0.9031	0.2601
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.8947	0.1053	0.8947	0.7132	0.2661
tic-tac-toe	0.9579	0.0421	0.9579	0.9043	0.2230
tis	0.8280	0.1720	0.8280	0.4694	0.6230
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0795
tox_171	0.5294	0.2353	0.5294	0.3790	0.4100
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.5882	0.4118	0.5882	-0.1121	0.8833
trains	0.5044	0.4965	0.4981	0.0000	0.5168
transfusion	0.6667	0.3333	0.6667	-0.0540	0.9098
trec11-wc	0.6829	0.0705	0.6829	0.6209	0.3131
trec12-wc	0.7097	0.0726	0.7097	0.6526	0.2398

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6347	0.2147
trec23-wc	0.6667	0.1111	0.6667	0.5149	0.2693
trec31-wc	0.8387	0.0461	0.8387	0.7867	0.2376
trec41-wc	0.6932	0.0614	0.6932	0.6165	0.2793
trec45-wc	0.5652	0.0870	0.5652	0.4945	0.3450
tuandromd	0.9865	0.0135	0.9865	0.9586	0.1449
turkish	0.7500	0.1250	0.7500	0.6667	0.3474
tvnews	0.8633	0.1367	0.8633	0.6972	0.5259
urban	0.7313	0.0597	0.7313	0.6868	0.2566
vehicle	0.6667	0.1667	0.6667	0.5504	0.3450
vehicleVAN	0.9405	0.0595	0.9405	0.8438	0.3634
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7686	0.3439
vowel	0.6061	0.0716	0.6061	0.5667	0.2038
vowelZ	0.9899	0.0101	0.9899	0.9418	0.2236
vrnormat310k-hg16-17	0.9129	0.0871	0.9129	0.3369	0.5938
wap-wc	0.3462	0.0654	0.3462	0.1937	0.2786
warpar10p	0.3077	0.1385	0.3077	0.2200	0.2619
warppiel0p	0.6667	0.0667	0.6667	0.6288	0.1395
watch-acc10%	0.9393	0.0173	0.9393	0.9288	0.0881
watch-gyr10%	0.9049	0.0272	0.9049	0.8888	0.1241
waveform	0.7240	0.1840	0.7240	0.5860	0.5315
web-phishing	0.8519	0.0988	0.8519	0.7472	0.4016
weight-lift	0.9873	0.0051	0.9873	0.9839	0.0324
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9731	0.0269	0.9731	0.7309	0.4603
wine	0.8824	0.0784	0.8824	0.8090	0.1912
winequality-red	0.5723	0.1426	0.5723	0.3258	0.5434
winequality-white	0.5521	0.1280	0.5521	0.3335	0.6340
winnipeg	0.8461	0.0439	0.8293	0.8034	0.0903
yale	0.5625	0.0583	0.5625	0.5333	0.0871
yeast	0.3851	0.1230	0.3851	0.2130	0.5253
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9459	0.0541	0.9459	0.1732	0.5690
yeastME1	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.8505	0.0299	0.8505	0.8326	0.2068
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 56: Detailed results for GrPloss

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1655	0.0576	0.1655	0.0739	0.4107
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9806	0.0194	0.9806	0.1974	0.4852
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8595	0.1405	0.8595	0.5717	0.5739
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6216	0.3784	0.6216	0.2315	0.9011
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.2045	0.8754
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9935	0.0065	0.9935	0.1679	0.4321
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8615	0.1385	0.8615	0.5806	0.5911
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9760	0.0300
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9694	0.0076	0.9694	0.9496	0.1007
anuran-species	0.9819	0.0036	0.9819	0.9749	0.0375
aps-failure	0.9887	0.0113	0.9887	0.5693	0.2080
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7778	0.0342	0.7778	0.6206	0.1703
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.7259	0.0457	0.7259	0.6108	0.2057
balance	0.7419	0.1720	0.7419	0.5724	0.4278
bank	0.9141	0.0859	0.9141	0.5379	0.5757
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8456	0.1544	0.8456	0.6404	0.4808
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9962	0.0038	0.9962	0.7400	0.1238
biodeg	0.8762	0.1238	0.8762	0.7412	0.5090
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9653	0.0000	1.0000	0.1540	0.3269
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.2391	0.8288
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9128	0.0872	0.9128	0.0946	0.2910
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	1.0000	0.0000	1.0000	1.0000	0.0000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8116	0.1884	0.8116	0.6152	0.6473
cardiotocography	0.8779	0.0244	0.8779	0.8536	0.1502
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7757	0.3017
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7765	0.2685
cas_N6512_cdk_ECFP2	0.5914	0.4086	0.5914	0.1319	0.7576
cdc_diabetes	0.8477	0.1015	0.8477	0.1354	0.2851
census10%	0.9329	0.0455	0.9736	0.4348	0.3795
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9419	0.0581	0.9419	0.2612	0.5311
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9997	0.0003	0.9997	0.8388	0.1880
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6788	0.5564
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7951	0.3746
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6716	0.5255
ci900367j_MACCS	0.7474	0.2526	0.7474	0.4514	0.7651
cirrhosis	0.6905	0.2063	0.6905	0.3576	0.4823
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8093	0.0954	0.8093	0.7040	0.4230
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5918	0.2721	0.5918	0.3625	0.6622
cnae-9	0.8981	0.0226	0.8981	0.8854	0.0837
codon_usage	0.7437	0.0466	0.7437	0.6841	0.2001
coil20	0.9931	0.0007	0.9931	0.9927	0.0052
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.7931	0.2069	0.7931	0.5272	0.6067
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9880	0.0080	0.9880	0.6511	0.1344
cottonmeloidogyne	0.6562	0.3438	0.6562	0.3159	0.7245
coupon	0.7429	0.2571	0.7429	0.4689	0.7609
covtype	0.7448	0.0729	0.7448	0.5826	0.3092
covtypeCD	0.9791	0.0209	0.9791	0.9102	0.2032
covtypeT	0.9777	0.0223	0.9777	0.8257	0.3246
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8194	0.0602	0.8194	0.5695	0.2626
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5625	0.0219	0.5625	0.5497	0.0718
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8243	0.1757	0.8243	0.3771	0.6307
deposit	0.8967	0.1033	0.8967	0.2660	0.4583
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9000	0.1000	0.9000	0.8000	0.3145
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6176	0.4759
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5672	0.2810	0.5679	0.1602	0.5461
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5810	0.4190	0.5810	0.1441	0.9203
dropout	0.7269	0.1821	0.7269	0.5299	0.5030
drug-01	0.3883	0.1748	0.3883	0.0012	0.4142
drug-02	0.5106	0.1398	0.5106	0.0209	0.3754
drug-03	0.6809	0.0912	0.6809	-0.0148	0.2654
drug-04	0.5213	0.1368	0.5213	0.0142	0.3943
drug-05	0.7128	0.0821	0.7128	-0.0144	0.3587
drug-06	0.3830	0.1763	0.3830	0.2059	0.4797
drug-07	0.4096	0.1687	0.4096	-0.0236	0.3756
drug-08	0.5532	0.1277	0.5532	0.0498	0.3587
drug-09	0.8457	0.0441	0.8457	-0.0254	0.4327
drug-10	0.5426	0.1307	0.5426	0.0247	0.3365
drug-11	0.8404	0.0456	0.8404	0.0883	0.4485
drug-12	0.7713	0.0654	0.7713	-0.0268	0.3388
drug-13	0.5851	0.1185	0.5851	0.0278	0.2578
drug-14	0.5904	0.1170	0.5904	0.1490	0.4462
drug-15	0.7553	0.0699	0.7553	0.0525	0.3524
drug-16	0.5479	0.1292	0.5479	0.2088	0.4790
drug-17	0.3351	0.1900	0.3351	0.0280	0.4503
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7660	0.0669	0.7660	-0.0053	0.2842
drybean	0.9339	0.0189	0.9339	0.9199	0.1079
ecoli	0.7941	0.0515	0.7941	0.7143	0.1627
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1862	0.1017	0.1862	0.0550	0.4152
eeg-eye	0.5955	0.4045	0.5955	0.1117	0.6024
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7949	0.2051	0.7949	0.5667	0.6863
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.5076	0.7098
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6510	0.5977
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.7123	0.1151	0.7123	0.6226	0.2961
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	0.9357	0.0643	0.9357	0.8711	0.3194
fbis-wc	0.6138	0.0454	0.6138	0.5514	0.2218
fda.atompair_fp	0.6364	0.3636	0.6364	0.0833	0.9033
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6805	0.1497
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.5377	0.0061	0.5381	0.5130	0.5615
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9188	0.0271	0.9188	0.9016	0.1087
gastrointestinal	1.0000	0.0000	1.0000	1.0000	0.0000
gender	0.5916	0.2723	0.5916	0.0141	0.3517
gene	0.9369	0.0421	0.9369	0.8990	0.1815
german	0.6800	0.3200	0.6800	0.1774	0.7827
gina	0.8271	0.1729	0.8271	0.6535	0.6031
glass	0.8571	0.0476	0.8571	0.8062	0.1657
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6855	0.5731
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4545	0.4541
haberman	0.6667	0.3333	0.6667	-0.0135	0.9051
hapt	0.9506	0.0082	0.9506	0.9416	0.0519
har70	0.9389	0.0232	0.9273	0.8796	0.1162
harth10%	0.8351	0.0249	0.8358	0.8036	0.2061
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.7333	0.2667	0.7333	0.4643	0.7761
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7911	0.2020	0.7859	0.5879	0.5731
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5461	0.4469	0.5376	0.0466	0.5885
higher	0.3571	0.1607	0.3571	0.2410	0.2837
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9106	0.0894	0.9106	0.6462	0.4630
hiva	0.9527	0.0473	0.9527	0.0699	0.6111
horse	0.6389	0.2407	0.6389	0.3589	0.5959
htru2	0.9782	0.0218	0.9782	0.8627	0.2293
ht-sensor	0.8005	0.1330	0.8005	0.7031	0.3668
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0898
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.0585	0.8104
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6816	0.0245	0.6816	0.6689	0.1737
jm1	0.8072	0.1928	0.8072	0.0515	0.5084
fvowels	0.8715	0.0286	0.8715	0.8546	0.1776
kc1	0.8768	0.1232	0.8768	0.3800	0.5034
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3750	0.1331
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2020	0.8009
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8656	0.0149	0.8656	0.8499	0.1672
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5005	0.1607	0.5041	0.3213	0.3125
la2s-wc	0.4889	0.1689	0.4899	0.2858	0.3375
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7221	0.0515
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	0.9959	0.0000	0.9873	0.9917	0.0000
letter	0.5685	0.0332	0.5685	0.5519	0.2521
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7500	0.0333	0.7500	0.7318	0.0896
linkage10%	1.0000	0.0001	1.0000	1.0000	0.0213
liver	0.6176	0.3824	0.6176	0.1053	0.9255
localization	0.4934	0.0921	0.4934	0.3048	0.3589
lrs	0.8868	0.0226	0.8868	0.8443	0.0967
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5000	0.5000	0.5000	0.0000	0.9986
magic04	0.7812	0.2188	0.7812	0.4519	0.5371

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.6522	0.3478	0.6522	0.3294	0.7857
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0729
mfeat-fou	0.7350	0.0530	0.7350	0.7056	0.1948
mfeat-kar	0.8450	0.0310	0.8450	0.8278	0.1568
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1827
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0414
mfeat-zer	0.7000	0.0600	0.7000	0.6667	0.2424
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4758
mobile	0.4407	0.0199	0.4490	0.4393	0.1974
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9652	0.0348	0.9652	0.8557	0.1771
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9520
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.7622
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4026	0.8148
MUT_ci300400a	0.6316	0.3684	0.6316	0.1644	0.6786
MUT_ci300400a_cdk_ECFP2	0.6247	0.3753	0.6247	0.1259	0.6512
myocardial	0.8941	0.0265	0.8941	0.4740	0.0892
naticusdroid	0.9649	0.0351	0.9649	0.9298	0.2030
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9295	0.0095	0.8947	0.7432	0.4403
newspop	0.5338	0.4662	0.5338	0.0039	0.5488
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9376	0.0624	0.9376	0.8490	0.3566
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0552	0.7353
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.8911	0.0218	0.8911	0.8745	0.0845
oh10-wc	0.6286	0.0743	0.6286	0.5715	0.2759
oh15-wc	0.6630	0.0674	0.6630	0.6097	0.2087
oh5-wc	0.7692	0.0462	0.7692	0.7369	0.1898
opn310k	0.9133	0.0867	0.9133	0.0973	0.2719
opnat310k-hg16-17	0.9139	0.0861	0.9139	0.1095	0.2656
optdigits	0.9537	0.0093	0.9537	0.9486	0.0627
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.8500	0.0075	0.8500	0.8462	0.0289
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9170	0.0830	0.9170	0.2363	0.6272
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9066	0.1397

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8807	0.1193	0.8807	0.6942	0.5181
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5567	0.4433	0.5567	-0.0064	0.9081
pd	0.8816	0.1184	0.8816	0.6786	0.5436
pediatric-leukemia	0.8235	0.0504	0.8235	0.7848	0.1684
pendigits	0.9745	0.0051	0.9745	0.9717	0.0359
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5328	0.6443
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9418
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7476	0.4650
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7059	0.4011
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9878	0.0122	0.9878	0.9743	0.0880
phoneme	0.7537	0.2463	0.7537	0.2348	0.6583
phy	0.6352	0.3648	0.6352	0.2724	0.7831
pima	0.6842	0.3158	0.6842	0.2808	0.7925
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.8634	0.0273	0.8634	0.7510	0.1750
polish-1st	0.9616	0.0384	0.9616	0.1702	0.4165
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9505	0.0495	0.9505	0.0619	0.3991
polish-4th	0.9541	0.0459	0.9541	0.4089	0.4844
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6508	0.3492	0.6508	0.0390	0.5621
popularity	0.6310	0.2460	0.6310	0.0014	0.3201
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.8070	0.0772	0.8070	0.7584	0.2236
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8580
primary-tumor	0.3939	0.0551	0.3939	0.3217	0.2021
profb	0.7612	0.2388	0.7612	0.4457	0.7589
promoters	0.9000	0.1000	0.9000	0.7826	0.2846
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9419	0.0232	0.9419	0.9216	0.0959
pufs-6410%	0.4985	0.5015	0.4985	-0.0029	1.0000
raisin	0.8667	0.1333	0.8667	0.7333	0.4667
re0-wc	0.5267	0.0728	0.5267	0.2836	0.3660
re1-wc	0.5783	0.0337	0.5783	0.4981	0.1583
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5878	0.4122	0.5878	-0.0034	0.6318
RT_IOT2022	0.9978	0.0004	0.9978	0.9945	0.0037
satimage	0.8663	0.0446	0.8663	0.8345	0.1975
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9005	0.0995	0.9005	0.0723	0.3655
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.6429	0.3571	0.6429	0.3301	0.5192
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-4-gram	0.8574	0.1485	0.8482	-0.0066	0.6526
sensorless	0.9927	0.0013	0.9927	0.9919	0.0138
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8816	0.1184	0.8816	0.4337	0.5493
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9788	0.0212	0.9788	0.8071	0.1898
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9990	0.0081
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.7698	0.0767	0.7698	0.7065	0.2232
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9261	0.0739	0.9261	0.8446	0.3541
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.4528	0.0228	0.4528	0.4198	0.1607
splice-EI	0.9716	0.0284	0.9716	0.9269	0.2290
splice-IE	0.9558	0.0442	0.9558	0.8821	0.3137
sport-articles	0.8000	0.2000	0.8000	0.5662	0.6793
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.1016	0.6427
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8916	0.0723	0.8916	0.8244	0.2434
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7128	0.2872	0.7128	0.2438	0.6397
steel-p	0.9333	0.0667	0.9333	0.4840	0.5404
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.5385	0.3077	0.5385	0.2778	0.6502
student-weekend	0.3692	0.2523	0.3692	0.0685	0.6490
student-workday	0.6875	0.1250	0.6875	0.1432	0.4401
susy10%	0.7501	0.2499	0.7501	0.4811	0.6502
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9876	0.0000	0.9958	1.0000	0.0000
swarm_grouped	1.0000	0.0000	0.9904	0.9983	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.9167	0.0833	0.9167	0.7477	0.4300
texture	0.9382	0.0112	0.9382	0.9319	0.0563
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8803	0.1197	0.8803	0.6543	0.5134
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6098	0.1060
tox_171	0.7647	0.1176	0.7647	0.6852	0.1975
toxicity	0.4706	0.5294	0.4706	-0.2047	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.4884	0.5108	0.4880	0.0000	0.5219
transfusion	0.6800	0.3200	0.6800	-0.0345	0.9007
trec11-wc	0.8780	0.0271	0.8780	0.8511	0.0972
trec12-wc	0.9355	0.0161	0.9355	0.9229	0.0582

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9571	0.0223
trec41-wc	0.9318	0.0136	0.9318	0.9167	0.0790
trec45-wc	0.9420	0.0116	0.9420	0.9327	0.0581
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.7750	0.1125	0.7750	0.7000	0.2524
tvnews	0.8361	0.1639	0.8361	0.6261	0.5485
urban	0.7910	0.0464	0.7910	0.7546	0.1937
vehicle	0.7500	0.1250	0.7500	0.6645	0.2599
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5556	0.0808	0.5556	0.5111	0.2797
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9095	0.0905	0.9095	0.0093	0.2188
wap-wc	0.3462	0.0654	0.3462	0.1899	0.2740
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9725	0.0079	0.9725	0.9678	0.0304
watch-gyr10%	0.9518	0.0138	0.9518	0.9437	0.0560
waveform	0.7700	0.1533	0.7700	0.6551	0.4650
web-phishing	0.8444	0.1037	0.8444	0.7241	0.4135
weight-lift	0.9373	0.0251	0.9373	0.9207	0.0918
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5912	0.1363	0.5912	0.3336	0.4466
winequality-white	0.4601	0.1543	0.4601	0.0573	0.5333
winnipeg	0.8624	0.0435	0.8386	0.7997	0.0899
yale	0.6875	0.0417	0.6875	0.6667	0.0743
yeast	0.5405	0.0919	0.5405	0.4109	0.3919
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	0.1766	0.5813
zip	0.7935	0.0413	0.7935	0.7689	0.2153
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 57: Detailed results for NNBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1247	0.0604	0.1247	0.0409	0.3961
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9819	0.0181	0.9819	0.1659	0.3882
ads	0.9695	0.0305	0.9695	0.8663	0.2126
adult	0.8636	0.1364	0.8636	0.5812	0.5541
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7619	0.2381	0.7619	0.0622	0.8294
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.5882	0.5283
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9969	0.0031	0.9969	0.2099	0.0146
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9973	0.0027	0.9973	0.1814	0.0130
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9941	0.0059	0.9941	0.1017	0.1596
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8308	0.1692	0.8308	0.5119	0.6792
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9663	0.0135	0.9663	0.9317	0.1118
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9311	0.1050
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9569	0.0108	0.9569	0.9287	0.1262
anuran-species	0.9569	0.0086	0.9569	0.9401	0.1096
aps-failure	0.9863	0.0137	0.9863	0.3977	0.1230
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7556	0.0376	0.7556	0.5912	0.1835
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.0435	0.0797	0.0435	0.0325	0.1879
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6411	0.0598	0.6411	0.4847	0.2497
balance	0.8710	0.0860	0.8710	0.7599	0.3254
bank	0.9126	0.0874	0.9126	0.5756	0.5913
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8249	0.1751	0.8249	0.5815	0.4567
basehock	0.9296	0.0704	0.9296	0.8594	0.2887
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8857	0.1143	0.8857	0.7553	0.4788
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9646	0.0000	1.0000	0.1493	0.3334
block10%	0.9999	0.0001	0.9999	0.9904	0.0212
block10%	0.9999	0.0001	0.9999	0.9904	0.0212
breast-cancer	0.7857	0.2143	0.7857	0.4750	0.7331
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1255
bub10at310k-hg16-17	0.9149	0.0851	0.9149	0.1360	0.2985
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9713	0.0144	0.9713	0.9398	0.1483
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8451	0.0310	0.8451	0.8140	0.1848
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7773	0.3292
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.6125	0.3643
cas_N6512_cdk_ECFP2	0.5469	0.4531	0.5469	0.0200	0.5997
cdc_diabetes	0.8464	0.1024	0.8464	0.2365	0.3484
census10%	0.9306	0.0474	0.9361	0.4173	0.3745
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9996	0.0004	0.9996	0.8260	0.3806
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7537	0.4063
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6757	0.5611
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7094	0.4381
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2592	0.6965
cirrhosis	0.6667	0.2222	0.6667	0.3163	0.4597
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8120	0.0940	0.8120	0.7072	0.3888
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5646	0.2902	0.5646	0.3305	0.6722
cnae-9	0.3796	0.1379	0.3796	0.3021	0.2762
codon_usage	0.6769	0.0587	0.6769	0.6018	0.2357
coil20	0.9861	0.0014	0.9861	0.9854	0.0100
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	-0.0162	0.9699
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6897	0.3103	0.6897	0.3524	0.8399
colposcopies-4	0.6897	0.3103	0.6897	0.3040	0.8098

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6552	0.3448	0.6552	0.2961	0.7083
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8065	0.1290	0.8065	0.6804	0.2845
connect-4	0.9837	0.0109	0.9837	0.4372	0.0330
cottonmeloidogyne	0.5361	0.4639	0.5361	0.0640	0.6270
coupon	0.7153	0.2847	0.7153	0.4102	0.8001
covtype	0.7078	0.0835	0.7078	0.5243	0.3656
covtypeCD	0.9761	0.0239	0.9761	0.8970	0.2230
covtypeT	0.9816	0.0184	0.9816	0.8564	0.2851
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8276	0.0575	0.8276	0.5937	0.2794
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4211	0.0939
cyclopentane	0.6667	0.3333	0.6667	0.3306	0.8586
cylinder-bands	0.5000	0.5000	0.5000	0.0569	0.9087
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3809	0.6184
deposit	0.8991	0.1009	0.8991	0.4455	0.6106
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7895	0.1981
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5828	0.2822	0.5700	0.1591	0.5247
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5563	0.4437	0.5563	0.0817	0.8812
dropout	0.7404	0.1731	0.7404	0.5546	0.4727
drug-01	0.4043	0.1702	0.4043	0.0144	0.3279
drug-02	0.5213	0.1368	0.5213	0.0204	0.2948
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5266	0.1353	0.5266	0.0193	0.3675
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3989	0.1717	0.3989	0.2263	0.4471
drug-07	0.3511	0.1854	0.3511	-0.0350	0.3550
drug-08	0.5532	0.1277	0.5532	0.0240	0.3111
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0146	0.3382
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6277	0.1064	0.6277	0.2905	0.3181
drug-14	0.5745	0.1216	0.5745	0.2080	0.3632
drug-15	0.7606	0.0684	0.7606	0.0458	0.1887
drug-16	0.6011	0.1140	0.6011	0.3317	0.3142
drug-17	0.3245	0.1930	0.3245	0.0034	0.3784
drug-18	0.9734	0.0106	0.9734	-0.0043	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9258	0.0212	0.9258	0.9102	0.1215
ecoli	0.0294	0.2426	0.0294	0.0226	0.2821
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1627	0.1047	0.1627	0.0250	0.4019
eeg-eye	0.6555	0.3445	0.6555	0.2657	0.7506
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.3810	0.4373
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5635	0.5790
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5663	0.5745
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7369	0.5095
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	-0.0403	0.6626
eucalyptus	0.6712	0.1315	0.6712	0.5683	0.3006
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9148	0.0852	0.9148	0.8295	0.3849
fbis-wc	0.4715	0.0622	0.4715	0.3858	0.2463
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5000	0.1250	0.5000	0.3631	0.2433
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5323	0.0061	0.5313	0.5211	0.5613
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8382	0.0539	0.8382	0.8049	0.1616
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.6021	0.2653	0.6021	0.1536	0.5115
gene	0.9495	0.0336	0.9495	0.9194	0.1488
german	0.6600	0.3400	0.6600	0.0981	0.7719
gina	0.8156	0.1844	0.8156	0.6292	0.5640
glass	0.7619	0.0794	0.7619	0.6818	0.1962
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1718	0.6297
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9021	0.0163	0.9021	0.8843	0.1075
har70	0.8969	0.0232	0.9144	0.8775	0.1212
harth10%	0.8335	0.0252	0.8415	0.7835	0.2102
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4295	0.7316
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.7333	0.2667	0.7333	0.4444	0.5288

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7878	0.2090	0.8029	0.5969	0.5679
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5378	0.4549	0.5411	0.0477	0.5798
higher	0.2857	0.1786	0.2857	0.1463	0.3343
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8836	0.1164	0.8836	0.5394	0.5758
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6111	0.2593	0.6111	0.2706	0.6071
htru2	0.9782	0.0218	0.9782	0.8603	0.2014
ht-sensor	0.7693	0.1538	0.7693	0.6579	0.3779
hypothyroid	0.9072	0.0464	0.9072	0.5475	0.1932
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136
ilpd	0.6949	0.3051	0.6949	0.0148	0.7591
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5366	0.0356	0.5366	0.5180	0.2207
jm1	0.8072	0.1928	0.8072	0.1287	0.6437
fvowels	0.7721	0.0506	0.7721	0.7408	0.2188
kc1	0.8578	0.1422	0.8578	0.3486	0.6576
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.0714	0.0774	0.0714	0.0471	0.1546
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2394	0.7582
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8007	0.0221	0.8007	0.7777	0.2429
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.4953	0.1625	0.5060	0.3241	0.3110
la2s-wc	0.4925	0.1677	0.4963	0.2871	0.3356
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5882	0.0206	0.5882	0.5696	0.0737
led24	0.7000	0.0600	0.7000	0.6629	0.1296
lenses	0.9895	0.0000	0.9905	1.0000	0.0000
letter	0.4715	0.0407	0.4715	0.4514	0.2660
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.9167	0.0111	0.9167	0.9104	0.0389
linkage10%	1.0000	0.0001	1.0000	0.9933	0.0214
liver	0.6471	0.3529	0.6471	0.0599	0.8908
localization	0.3305	0.1217	0.3305	0.0000	0.3083
lrs	0.0000	0.2000	0.0000	0.0000	0.3221
lsvt	0.6154	0.3846	0.6154	0.2529	0.7912
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6981	0.0553
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.0714	0.4643	0.0714	0.0000	0.2997
lymphoma2	0.7778	0.0494	0.7778	0.7097	0.0417
madelon	0.5038	0.4962	0.5038	0.0077	0.8344
magic04	0.7854	0.2146	0.7854	0.4666	0.5510

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6245	0.6395
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7228	0.1848	0.7228	0.5782	0.4941
messidor	0.6087	0.3913	0.6087	0.2570	0.7882
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.8333	0.0833	0.8333	0.7702	0.1951
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0888
mfeat-fou	0.7550	0.0490	0.7550	0.7278	0.1629
mfeat-kar	0.6800	0.0640	0.6800	0.6444	0.1809
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2032
mfeat-pix	0.9300	0.0140	0.9300	0.9222	0.0827
mfeat-zer	0.6250	0.0750	0.6250	0.5833	0.2251
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4108
mobile	0.4373	0.0202	0.4426	0.4338	0.2029
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8894	0.1106	0.8894	0.4018	0.2472
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.5652	0.4348	0.5652	0.1303	0.9572
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.7584
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4312	0.7800
MUT_ci300400a	0.6128	0.3872	0.6128	0.1094	0.6151
MUT_ci300400a_cdk_ECFP2	0.5911	0.4089	0.5911	0.0252	0.5465
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9472	0.0528	0.9472	0.8943	0.2606
nci9	0.1667	0.1852	0.1667	0.1429	0.2083
ncRNA10%	0.9118	0.0092	0.9066	0.7273	0.4279
newspop	0.5330	0.4670	0.5330	0.0019	0.5330
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9417	0.0583	0.9417	0.8536	0.3053
NPHA-doctor-visits	0.4722	0.3519	0.4722	-0.0092	0.6378
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9891	0.0054	0.9891	0.9670	0.0468
oh0-wc	0.6634	0.0673	0.6634	0.6047	0.1684
oh10-wc	0.5143	0.0971	0.5143	0.4320	0.2774
oh15-wc	0.4565	0.1087	0.4565	0.3636	0.2552
oh5-wc	0.5714	0.0857	0.5714	0.5059	0.2506
opn310k	0.9145	0.0855	0.9145	0.1348	0.3145
opnat310k-hg16-17	0.9150	0.0850	0.9150	0.1432	0.3095
optdigits	0.9075	0.0185	0.9075	0.8971	0.1198
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.6500	0.0175	0.6500	0.6410	0.0908
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9209	0.0791	0.9209	0.2495	0.6005
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9653	0.0139	0.9653	0.7914	0.2057

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8707	0.1293	0.8707	0.6771	0.5585
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.5670	0.4330	0.5670	-0.0307	0.6801
pd	0.8553	0.1447	0.8553	0.5417	0.4619
pediatric-leukemia	0.7353	0.0756	0.7353	0.6752	0.2320
pendigits	0.9600	0.0080	0.9600	0.9555	0.0567
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8608	0.1392	0.8608	0.6842	0.5526
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8960
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7154	0.5228
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.6500	0.3500	0.6500	0.2553	0.8874
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.8407	0.1593	0.8407	0.6325	0.6114
phy	0.6304	0.3696	0.6304	0.2586	0.7821
pima	0.7105	0.2895	0.7105	0.3647	0.8000
plx	0.5000	0.5000	0.5000	-0.1739	0.9401
poker	0.7189	0.0562	0.7189	0.4703	0.1966
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9602	0.0398	0.9602	0.4489	0.3363
polish-5th	0.9459	0.0541	0.9459	0.4584	0.4521
polya	0.6422	0.3578	0.6422	0.0051	0.5388
popularity	0.6308	0.2462	0.6308	0.0003	0.3251
post-operative	0.4444	0.3704	0.4444	-0.0714	0.6915
postures	0.6590	0.1364	0.6590	0.5730	0.2494
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8295
primary-tumor	0.0000	0.0909	0.0000	0.0000	0.2977
profb	0.6567	0.3433	0.6567	0.0833	0.8643
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9173	0.0331	0.9173	0.8878	0.1205
pufs-6410%	0.5038	0.4963	0.5038	0.0073	0.9710
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.4867	0.0790	0.4867	0.2090	0.2594
re1-wc	0.4880	0.0410	0.4880	0.3919	0.2549
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9969	0.0005	0.9969	0.9922	0.0072
satimage	0.8725	0.0425	0.8725	0.8417	0.1862
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.8896	0.1104	0.8896	0.5400	0.5990
scadi	0.1429	0.2449	0.1429	0.0667	0.2738
schiller	0.6667	0.3333	0.6667	0.3721	0.5239
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9295	0.0705	0.9295	0.2339	0.6048
secondary_mushroom	0.6317	0.3683	0.6317	0.3106	0.5276
segment	0.9524	0.0136	0.9524	0.9443	0.0516
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9419	0.0581	0.9419	0.1994	0.1524
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.7737	0.2263	0.7737	0.0726	0.7654
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-4-gram	0.8565	0.1467	0.8511	-0.0066	0.6639
sensorless	0.8800	0.0218	0.8800	0.8680	0.0913
sepsis	0.9086	0.0914	0.9086	0.0054	0.2876
shoppers	0.8848	0.1152	0.8848	0.4927	0.5873
shuttle	0.9988	0.0003	0.9988	0.9966	0.0196
sick	0.9788	0.0212	0.9788	0.8071	0.1898
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9909	0.0092	0.9909	0.9726	0.1190
smk_can_187	0.5789	0.4211	0.5789	0.1556	0.9466
solar-flare	0.7842	0.0719	0.7842	0.7231	0.1935
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9678	0.0198
spambase	0.9130	0.0870	0.9130	0.8139	0.3579
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.0000	0.0417	0.0000	-0.0014	0.2910
splice-EI	0.9779	0.0221	0.9779	0.9422	0.1877
splice-IE	0.9401	0.0599	0.9401	0.8378	0.3749
sport-articles	0.7500	0.2500	0.7500	0.4783	0.7524
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8051	0.1949	0.8051	0.1109	0.3500
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8890	0.0740	0.8890	0.8202	0.2504
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.7026	0.2974	0.7026	0.2103	0.6487
steel-p	0.9128	0.0872	0.9128	0.3672	0.6383
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.6154	0.2564	0.6154	0.3981	0.5877
student-weekend	0.3846	0.2462	0.3846	0.0459	0.5067
student-workday	0.6875	0.1250	0.6875	0.0554	0.4139
susy10%	0.7573	0.2427	0.7573	0.4999	0.6855
swarm_aligned	1.0000	0.0000	1.0000	0.9897	0.0000
swarm_flocking	1.0000	0.0000	0.9895	1.0000	0.0000
swarm_grouped	1.0000	0.0000	0.9815	1.0000	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.7348
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.9509	0.0089	0.9509	0.9459	0.0577
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8714	0.1286	0.8714	0.6409	0.5653
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.8235	0.0882	0.8235	0.7671	0.1047
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.4923	0.4891	0.4923	0.0000	0.5352
transfusion	0.7067	0.2933	0.7067	0.1297	0.8653
trec11-wc	0.9024	0.0217	0.9024	0.8794	0.0685
trec12-wc	0.8387	0.0403	0.8387	0.8058	0.1037

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8059	0.1787
trec23-wc	0.8571	0.0476	0.8571	0.8013	0.1565
trec31-wc	0.9355	0.0184	0.9355	0.9156	0.0644
trec41-wc	0.9091	0.0182	0.9091	0.8885	0.0979
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0248
tuandromd	0.9865	0.0135	0.9865	0.9582	0.1317
turkish	0.8250	0.0875	0.8250	0.7667	0.2129
tvnews	0.8253	0.1747	0.8253	0.6105	0.6140
urban	0.8358	0.0365	0.8358	0.8072	0.1465
vehicle	0.7976	0.1012	0.7976	0.7224	0.2418
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5758	0.0771	0.5758	0.5333	0.2449
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0011	0.2421
wap-wc	0.3205	0.0679	0.3205	0.1526	0.2887
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8363	0.0468	0.8363	0.8082	0.1630
watch-gyr10%	0.8724	0.0365	0.8724	0.8508	0.1405
waveform	0.7100	0.1933	0.7100	0.5658	0.4729
web-phishing	0.8593	0.0938	0.8593	0.7504	0.4005
weight-lift	0.5101	0.1960	0.5101	0.3966	0.2896
white-clover	0.0000	0.5000	0.0000	0.0000	0.2620
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9876	0.0124	0.9876	0.8781	0.3356
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.5849	0.1384	0.5849	0.3072	0.3557
winequality-white	0.4560	0.1554	0.4560	0.1393	0.5574
winnipeg	0.8449	0.0446	0.8545	0.8062	0.0920
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.5405	0.0919	0.5405	0.4180	0.4198
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.7176	0.5112
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.7430	0.0514	0.7430	0.7133	0.2172
zoo	0.9000	0.0286	0.9000	0.8701	0.0000



Table 58: Detailed results for AdaBoost.M1

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1727	0.0571	0.1727	0.0791	0.3782
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9695	0.0305	0.9695	0.8712	0.2692
adult	0.8602	0.1398	0.8602	0.5762	0.5768
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.8932	0.1068	0.8932	0.0972	0.6514
AID_1878	0.7810	0.2190	0.7810	0.0458	0.8007
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.7568	0.2432	0.7568	0.4900	0.7464
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9936	0.0064	0.9936	0.1717	0.4062
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9889	0.0056	0.9889	0.9787	0.0273
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9819	0.0045	0.9819	0.9703	0.0799
anuran-species	0.9833	0.0033	0.9833	0.9768	0.0250
aps-failure	0.9896	0.0104	0.9896	0.6587	0.3340
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5389	0.1896
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.6263	0.0623	0.6263	0.4566	0.2666
balance	0.7581	0.1613	0.7581	0.5942	0.4167
bank	0.9097	0.0903	0.9097	0.5448	0.5992
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8548	0.1452	0.8548	0.6648	0.4770
basehock	0.9899	0.0100	0.9899	0.9799	0.0768
bio	0.9964	0.0036	0.9964	0.7707	0.2454
biodeg	0.8762	0.1238	0.8762	0.7388	0.5111
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9864	0.0009	0.9864	0.3080	0.3646
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9118	0.0882	0.9118	0.0726	0.2797
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8696	0.1304	0.8696	0.7311	0.5170
cardiotocography	0.8592	0.0282	0.8592	0.8296	0.1387
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8004	0.2289
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6421	0.3202
cas_N6512_cdk_ECFP2	0.6083	0.3917	0.6083	0.1697	0.7430
cdc_diabetes	0.8475	0.1017	0.8475	0.1632	0.3073
census10%	0.9475	0.0525	0.9475	0.3836	0.4888
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9998	0.0002	0.9998	0.8745	0.1010
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7094	0.4381
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3862	0.8123
cirrhosis	0.7619	0.1587	0.7619	0.5364	0.4681
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7991	0.1005	0.7991	0.6911	0.4501
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.6054	0.2630	0.6054	0.3848	0.6514
cnae-9	0.6574	0.0761	0.6574	0.6146	0.1761
codon_usage	0.6577	0.0622	0.6577	0.5762	0.2256
coil20	0.9931	0.0007	0.9931	0.9927	0.0048
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.6207	0.3793	0.6207	0.0807	0.8598
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9836	0.0110	0.9836	0.4761	0.2059
cottonmeloidogyne	0.6466	0.3534	0.6466	0.2969	0.7223
coupon	0.7129	0.2871	0.7129	0.4073	0.8056
covtype	0.7106	0.0827	0.7106	0.5283	0.3421
covtypeCD	0.9697	0.0303	0.9697	0.8717	0.2928
covtypeT	0.9810	0.0190	0.9810	0.8513	0.2839
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8240	0.0587	0.8240	0.5866	0.2731
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.5312	0.0234	0.5312	0.5176	0.0674
cyclopentane	0.7407	0.2593	0.7407	0.4793	0.7616
cylinder-bands	0.7963	0.2037	0.7963	0.5613	0.5391
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8247	0.1753	0.8247	0.3811	0.6337
deposit	0.8985	0.1015	0.8985	0.4382	0.6115
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5908	0.5490
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5383	0.3078	0.5383	-0.0012	0.3672
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0435	0.9771
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5853	0.4147	0.5853	0.1626	0.9398
dropout	0.7427	0.1716	0.7427	0.5594	0.4744
drug-01	0.3989	0.1717	0.3989	0.0099	0.3710
drug-02	0.5106	0.1398	0.5106	0.0119	0.3672
drug-03	0.6702	0.0942	0.6702	-0.0191	0.3004
drug-04	0.5160	0.1383	0.5160	0.0122	0.4945
drug-05	0.7287	0.0775	0.7287	0.0068	0.2555
drug-06	0.3883	0.1748	0.3883	0.2092	0.4430
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5638	0.1246	0.5638	0.0642	0.3101
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5426	0.1307	0.5426	0.0146	0.3382
drug-11	0.8457	0.0441	0.8457	-0.0070	0.2075
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6170	0.1094	0.6170	0.2419	0.3268
drug-14	0.5851	0.1185	0.5851	0.1341	0.3990
drug-15	0.7660	0.0669	0.7660	0.0675	0.1852
drug-16	0.5745	0.1216	0.5745	0.2918	0.4120
drug-17	0.3245	0.1930	0.3245	0.0008	0.3546
drug-18	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19	0.7660	0.0669	0.7660	-0.0077	0.2153
drybean	0.9302	0.0199	0.9302	0.9155	0.1135
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1662	0.1042	0.1662	0.0288	0.3781
eeg-eye	0.5988	0.4012	0.5988	0.1189	0.5833
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3500	0.8394
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5294	0.6440
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9839	0.0161	0.9839	0.8488	0.4011
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6059	0.6342
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.7123	0.1151	0.7123	0.6233	0.2922
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9181	0.0819	0.9181	0.8357	0.3777
fbis-wc	0.5894	0.0483	0.5894	0.5198	0.2378
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4969	0.2305
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.4022	0.0078	0.4022	0.3443	0.2687
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8152	0.0616	0.8152	0.7758	0.1743
gastrointestinal	0.7500	0.1667	0.7500	0.6049	0.2867
gender	0.5916	0.2723	0.5916	0.0103	0.3336
gene	0.9338	0.0442	0.9338	0.8944	0.1990
german	0.6800	0.3200	0.6800	0.1774	0.7827
gina	0.8098	0.1902	0.8098	0.6195	0.6456
glass	0.7143	0.0952	0.7143	0.6062	0.3155
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6829	0.5779
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.5189
haberman	0.6667	0.3333	0.6667	0.0741	0.8997
hapt	0.9515	0.0081	0.9515	0.9427	0.0621
har70	0.8532	0.0419	0.8532	0.7908	0.1467
harth10%	0.7430	0.0428	0.7430	0.6391	0.1562
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5762
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5523	0.4477	0.5523	0.0525	0.5895
higher	0.2143	0.1964	0.2143	0.0833	0.3504
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9106	0.0894	0.9106	0.6493	0.4709
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.5833	0.2778	0.5833	0.2603	0.6604
htru2	0.9782	0.0218	0.9782	0.8627	0.2293
ht-sensor	0.7401	0.1733	0.7401	0.6162	0.3667
hypothyroid	0.9894	0.0053	0.9894	0.9359	0.0881
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.2003	0.8649
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6136	0.0297	0.6136	0.5981	0.2010
jm1	0.8108	0.1892	0.8108	0.0747	0.4895
fvowels	0.8333	0.0370	0.8333	0.8111	0.2002
kc1	0.8720	0.1280	0.8720	0.3863	0.5769
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2566	0.1425
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2394	0.7582
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8699	0.0145	0.8699	0.8546	0.1633
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5048	0.1651	0.5048	0.3118	0.3151
la2s-wc	0.7555	0.0796	0.7625	0.6842	0.3206
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6915	0.0543
led24	0.6000	0.0800	0.6000	0.5467	0.1559
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4405	0.0430	0.4405	0.4187	0.2747
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8209	0.0651
linkage10%	1.0000	0.0000	0.9831	1.0000	0.0001
liver	0.4706	0.5294	0.4706	-0.1547	0.9734
localization	0.5388	0.0839	0.5388	0.3941	0.4011
lrs	0.8491	0.0302	0.8491	0.7899	0.1215
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5269	0.4731	0.5269	0.0538	0.9834
magic04	0.8143	0.1857	0.8143	0.5765	0.6426

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6042	0.6575
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7290	0.3656
messidor	0.6174	0.3826	0.6174	0.2559	0.8572
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0497
mfeat-fou	0.7700	0.0460	0.7700	0.7444	0.1877
mfeat-kar	0.8500	0.0300	0.8500	0.8333	0.1515
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2105
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0377
mfeat-zer	0.6600	0.0680	0.6600	0.6222	0.2179
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4093	0.4925
mobile	0.5245	0.0170	0.5245	0.5156	0.1694
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9742	0.0258	0.9742	0.8969	0.1720
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9978
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.5245
mutagen_class_3	0.4203	0.5797	0.4203	-0.1675	1.0000
mutagens_ExtendedFingerprinter	0.8088	0.1912	0.8088	0.6176	0.6466
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.4981	0.7268
MUT_ci300400a	0.6830	0.3170	0.6830	0.3864	0.7589
MUT_ci300400a_cdk_ECFP2	0.6271	0.3729	0.6271	0.1355	0.6788
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9656	0.0344	0.9656	0.9311	0.2010
nci9	0.6667	0.0741	0.6667	0.6250	0.0000
ncRNA10%	0.8938	0.0095	0.9240	0.7083	0.2038
newspop	0.5320	0.4680	0.5320	-0.0004	0.5332
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9547	0.0453	0.9547	0.8882	0.2708
NPHA-doctor-visits	0.4583	0.3611	0.4583	-0.0358	0.6367
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0700
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0096
oh0-wc	0.7129	0.0574	0.7129	0.6654	0.1514
oh10-wc	0.5238	0.0952	0.5238	0.4431	0.2568
oh15-wc	0.5543	0.0891	0.5543	0.4762	0.2296
oh5-wc	0.6154	0.0769	0.6154	0.5542	0.2152
opn310k	0.9133	0.0867	0.9133	0.1031	0.2899
opnat310k-hg16-17	0.9139	0.0861	0.9139	0.1138	0.2796
optdigits	0.9626	0.0075	0.9626	0.9585	0.0523
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7000	0.0150	0.7000	0.6923	0.0710
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9854	0.0059	0.9854	0.9192	0.1518

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8726	0.1274	0.8726	0.6810	0.5526
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5309	0.4691	0.5309	0.0061	0.9850
pd	0.8947	0.1053	0.8947	0.7193	0.5115
pediatric-leukemia	0.7647	0.0672	0.7647	0.7106	0.1949
pendigits	0.9873	0.0025	0.9873	0.9858	0.0220
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7990	0.2010	0.7990	0.5404	0.6870
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9288
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6353	0.6248
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.8019	0.1981	0.8019	0.5661	0.6431
phy	0.6366	0.3634	0.6366	0.2752	0.7791
pima	0.7500	0.2500	0.7500	0.4480	0.7236
plx	0.7222	0.2778	0.7222	0.2623	0.8344
poker	0.8165	0.0367	0.8165	0.6608	0.1802
polish-1st	0.9616	0.0384	0.9616	0.1203	0.3602
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9505	0.0495	0.9505	0.0619	0.3991
polish-4th	0.9551	0.0449	0.9551	0.4288	0.4797
polish-5th	0.9475	0.0525	0.9475	0.4973	0.4653
polya	0.6584	0.3416	0.6584	0.0685	0.5812
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.7188	0.1125	0.7188	0.6479	0.2746
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9116
primary-tumor	0.4242	0.0523	0.4242	0.3628	0.2127
profb	0.7313	0.2687	0.7313	0.3764	0.8037
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9363	0.0255	0.9363	0.9137	0.1009
pufs-6410%	0.4963	0.5038	0.4963	-0.0075	1.0000
raisin	0.8222	0.1778	0.8222	0.6444	0.6119
re0-wc	0.4933	0.0779	0.4933	0.2152	0.3102
re1-wc	0.5301	0.0376	0.5301	0.4383	0.1921
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5849	0.4151	0.5849	-0.0118	0.6331
RT_IOT2022	0.9987	0.0002	0.9987	0.9967	0.0022
satimage	0.8351	0.0550	0.8351	0.7957	0.2177
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8911	0.1089	0.8911	0.0302	0.5436
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5000	0.5000	0.5000	0.0000	0.9949
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6416	0.3584	0.6416	0.3275	0.5326
segment	0.9827	0.0049	0.9827	0.9798	0.0230
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-2-gram	0.8763	0.1237	0.8763	0.1701	0.4692
sens-3-gram	0.8658	0.1342	0.8658	0.0994	0.5596
sens-4-gram	0.8408	0.1407	0.8724	0.1344	0.6355
sensorless	0.9858	0.0026	0.9858	0.9844	0.0227
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8848	0.1152	0.8848	0.4746	0.5683
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9993	0.0063
smk_can_187	0.7368	0.2632	0.7368	0.4751	0.7624
solar-flare	0.7698	0.0767	0.7698	0.7046	0.2030
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9174	0.0826	0.9174	0.8256	0.3776
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.4717	0.0220	0.4717	0.4379	0.1322
splice-EI	0.9811	0.0189	0.9811	0.9511	0.1731
splice-IE	0.9495	0.0505	0.9495	0.8664	0.3405
sport-articles	0.7700	0.2300	0.7700	0.5094	0.7316
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7692	0.2308	0.7692	0.0837	0.7732
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8984	0.0677	0.8984	0.8352	0.2324
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7385	0.2615	0.7385	0.3460	0.6987
steel-p	0.9436	0.0564	0.9436	0.5634	0.4735
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.6154	0.2564	0.6154	0.3868	0.4606
student-weekend	0.3846	0.2462	0.3846	0.0880	0.5747
student-workday	0.7031	0.1187	0.7031	0.1677	0.4095
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	1.0000	0.0000	0.9926	0.9999	0.0000
swarm_flocking	1.0000	0.0004	0.9964	1.0000	0.0046
swarm_grouped	1.0000	0.0000	1.0000	0.9920	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.9167	0.0833	0.9167	0.7477	0.4300
texture	0.9473	0.0096	0.9473	0.9419	0.0639
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8736	0.1264	0.8736	0.6391	0.5454
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5321	0.2107
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0465	0.9106
trec11-wc	0.9268	0.0163	0.9268	0.9100	0.0741
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8752	0.1471
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9545	0.0091	0.9545	0.9447	0.0702
trec45-wc	0.9565	0.0087	0.9565	0.9493	0.0351
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.9000	0.0500	0.9000	0.8667	0.1285
tvnews	0.8153	0.1847	0.8153	0.5912	0.6430
urban	0.8507	0.0332	0.8507	0.8243	0.1242
vehicle	0.7738	0.1131	0.7738	0.6985	0.2245
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.5263	0.5112
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5051	0.0900	0.5051	0.4556	0.2751
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8686	0.0376	0.8686	0.8460	0.1288
watch-gyr10%	0.9226	0.0221	0.9226	0.9096	0.0873
waveform	0.7700	0.1533	0.7700	0.6551	0.4490
web-phishing	0.8444	0.1037	0.8444	0.7245	0.4246
weight-lift	0.5404	0.1838	0.5404	0.3811	0.2775
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6038	0.1321	0.6038	0.3357	0.4082
winequality-white	0.4703	0.1513	0.4703	0.1382	0.5059
winnipeg	0.9630	0.0062	0.9857	0.9617	0.0477
yale	0.6250	0.0500	0.6250	0.5983	0.0765
yeast	0.5135	0.0973	0.5135	0.3756	0.3863
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.7290	0.0542	0.7290	0.6962	0.2315
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 59: Detailed results for MadaBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0815	0.3686
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9812	0.0188	0.9812	-0.0018	0.2772
ads	0.9573	0.0427	0.9573	0.8091	0.2813
adult	0.8382	0.1618	0.8382	0.4221	0.3891
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.2816	0.8203
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9971	0.0029	0.9971	0.2993	0.0138
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.2496	0.3797
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9938	0.0062	0.9938	-0.0003	0.1661
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9304	0.0891
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9541	0.0115	0.9541	0.9239	0.0981
anuran-species	0.9583	0.0083	0.9583	0.9418	0.0855
aps-failure	0.9882	0.0118	0.9882	0.5115	0.0844
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.6889	0.0479	0.6889	0.4507	0.2218
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6138	0.0644	0.6138	0.4427	0.2489
balance	0.8226	0.1183	0.8226	0.6886	0.3604
bank	0.9107	0.0893	0.9107	0.4875	0.5712
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8088	0.1912	0.8088	0.5366	0.4576
basehock	0.9447	0.0553	0.9447	0.8895	0.2509
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8571	0.1429	0.8571	0.6927	0.5498
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9867	0.0009	0.9867	0.2130	0.3366
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7500	0.2500	0.7500	0.3636	0.7920
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.8182	0.1818	0.8182	0.6333	0.6309
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1255
bub10at310k-hg16-17	0.9103	0.0897	0.9103	0.0295	0.2327
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8406	0.1594	0.8406	0.6834	0.5371
cardiotocography	0.8310	0.0338	0.8310	0.7960	0.1500
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7810	0.2580
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5506	0.3211
cas_N6512_cdk_ECFP2	0.5545	0.4455	0.5545	0.0374	0.5821
cdc_diabetes	0.8483	0.1011	0.8483	0.1416	0.2923
census10%	0.9469	0.0531	0.9469	0.2453	0.3142
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9997	0.0003	0.9997	0.8521	0.1169
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6071	0.6470
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3269	0.7136
cirrhosis	0.6905	0.2063	0.6905	0.3406	0.4071
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8102	0.0949	0.8102	0.7046	0.4244
climate	0.9444	0.0556	0.9444	0.5424	0.5131
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5646	0.2902	0.5646	0.3227	0.6848
cnae-9	0.6759	0.0720	0.6759	0.6354	0.1680
codon_usage	0.6094	0.0710	0.6094	0.5169	0.2198
coil20	0.9792	0.0021	0.9792	0.9781	0.0148
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0387	0.9534
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.5517	0.4483	0.5517	0.0157	0.9614
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6207	0.3793	0.6207	0.2238	0.7270
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9848	0.0102	0.9848	0.4907	0.0313
cottonmeloidogyne	0.6562	0.3438	0.6562	0.3091	0.7467
coupon	0.7232	0.2768	0.7232	0.4205	0.7767
covtype	0.7099	0.0829	0.7099	0.5266	0.3516
covtypeCD	0.9876	0.0124	0.9876	0.9468	0.1337
covtypeT	0.9761	0.0239	0.9761	0.8116	0.3313
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8147	0.0618	0.8147	0.5555	0.2641
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4688	0.0266	0.4688	0.4527	0.0914
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8253	0.1747	0.8253	0.3827	0.6302
deposit	0.8987	0.1013	0.8987	0.4368	0.6095
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0286	0.9973
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5745	0.4255	0.5745	0.1253	0.9005
dropout	0.7381	0.1746	0.7381	0.5470	0.4580
drug-01	0.3989	0.1717	0.3989	0.0078	0.3625
drug-02	0.5160	0.1383	0.5160	0.0195	0.3659
drug-03	0.6702	0.0942	0.6702	-0.0191	0.3004
drug-04	0.5213	0.1368	0.5213	0.0134	0.4708
drug-05	0.7287	0.0775	0.7287	0.0165	0.2941
drug-06	0.3883	0.1748	0.3883	0.2114	0.4493
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5479	0.1292	0.5479	0.0144	0.3759
drug-09	0.8511	0.0426	0.8511	-0.0192	0.3154
drug-10	0.5372	0.1322	0.5372	-0.0011	0.3447
drug-11	0.8457	0.0441	0.8457	-0.0070	0.2075
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6064	0.1125	0.6064	0.2698	0.3540
drug-14	0.6117	0.1109	0.6117	0.1845	0.3264
drug-15	0.7660	0.0669	0.7660	0.0675	0.1852
drug-16	0.5957	0.1155	0.5957	0.3386	0.3581
drug-17	0.3298	0.1915	0.3298	0.0122	0.3566
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7713	0.0654	0.7713	0.0161	0.1589
drybean	0.9037	0.0275	0.9037	0.8830	0.1225
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1666	0.1042	0.1666	0.0288	0.3655
eeg-eye	0.5774	0.4226	0.5774	0.0662	0.5544
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2778	0.7583
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4715	0.6223
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7196	0.5081
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.6575	0.1370	0.6575	0.5486	0.3102
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9169	0.0831	0.9169	0.8329	0.3724
fbis-wc	0.5691	0.0507	0.5691	0.4934	0.2491
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6190	0.1779
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4069	0.0078	0.4069	0.3503	0.2633
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.7563	0.0812	0.7563	0.7048	0.1994
gastrointestinal	0.8125	0.1250	0.8125	0.7126	0.1983
gender	0.5853	0.2765	0.5853	-0.0024	0.4082
gene	0.9369	0.0421	0.9369	0.8991	0.1780
german	0.6500	0.3500	0.6500	0.0169	0.6125
gina	0.8444	0.1556	0.8444	0.6874	0.5174
glass	0.7619	0.0794	0.7619	0.6837	0.2187
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4512	0.4126
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9113	0.0148	0.9113	0.8951	0.0961
har70	0.8484	0.0433	0.8484	0.7846	0.1424
harth10%	0.7342	0.0443	0.7342	0.6258	0.1559
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7981	0.2019	0.7981	0.5956	0.6195
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5502	0.4498	0.5502	0.0477	0.5849
higher	0.3571	0.1607	0.3571	0.2317	0.2964
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8904	0.1096	0.8904	0.5195	0.4532
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.6111	0.2593	0.6111	0.2971	0.6237
htru2	0.9771	0.0229	0.9771	0.8557	0.2417
ht-sensor	0.7337	0.1775	0.7337	0.6069	0.3774
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5956	0.0311	0.5956	0.5795	0.2000
jm1	0.8090	0.1910	0.8090	0.0447	0.4445
fvowels	0.7801	0.0489	0.7801	0.7504	0.2200
kc1	0.8578	0.1422	0.8578	0.2066	0.4924
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.1399
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.1929	0.8287
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8242	0.0195	0.8242	0.8037	0.2185
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5079	0.1640	0.5079	0.3182	0.3302
la2s-wc	0.7501	0.0788	0.7647	0.6995	0.3282
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7647	0.0118	0.7647	0.7527	0.0532
led24	0.6000	0.0800	0.6000	0.5506	0.1864
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4360	0.0434	0.4360	0.4141	0.2760
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8611	0.0185	0.8611	0.8507	0.0523
linkage10%	1.0000	0.0000	1.0000	0.9928	0.0001
liver	0.5882	0.4118	0.5882	-0.0968	0.9574
localization	0.5212	0.0871	0.5212	0.3624	0.3921
lrs	0.8302	0.0340	0.8302	0.7641	0.1363
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.4692	0.5308	0.4692	-0.0615	1.0000
magic04	0.7764	0.2236	0.7764	0.4336	0.5053

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6042	0.6575
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7143	0.3861
messidor	0.5913	0.4087	0.5913	0.2403	0.6892
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0870
mfeat-fou	0.7650	0.0470	0.7650	0.7389	0.1865
mfeat-kar	0.8200	0.0360	0.8200	0.8000	0.1459
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2047
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0698
mfeat-zer	0.6950	0.0610	0.6950	0.6611	0.1848
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4837	0.4156
mobile	0.4126	0.0210	0.4126	0.4015	0.1994
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8864	0.1136	0.8864	0.3784	0.2512
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9978
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.7402
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3677	0.8341
MUT_ci300400a	0.5965	0.4035	0.5965	0.0635	0.5758
MUT_ci300400a_cdk_ECFP2	0.5959	0.4041	0.5959	0.0385	0.5450
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9550	0.0450	0.9550	0.9100	0.2388
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9155	0.0094	0.8947	0.7169	0.2087
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9466	0.0534	0.9466	0.8686	0.3098
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0202	0.6212
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9744	0.1112
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.5238	0.0952	0.5238	0.4443	0.2851
oh15-wc	0.5652	0.0870	0.5652	0.4897	0.2230
oh5-wc	0.4945	0.1011	0.4945	0.4085	0.2735
opn310k	0.9107	0.0893	0.9107	0.0352	0.2248
opnat310k-hg16-17	0.9099	0.0901	0.9099	0.0272	0.2463
optdigits	0.9413	0.0117	0.9413	0.9347	0.0763
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7250	0.0138	0.7250	0.7179	0.0674
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9249	0.0751	0.9249	0.0821	0.3855
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9689	0.0124	0.9689	0.8186	0.2070

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8828	0.1172	0.8828	0.7091	0.5277
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5670	0.4330	0.5670	-0.0307	0.6801
pd	0.8553	0.1447	0.8553	0.5417	0.4619
pediatric-leukemia	0.8235	0.0504	0.8235	0.7848	0.1684
pendigits	0.9490	0.0102	0.9490	0.9433	0.0561
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5609	0.6286
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9354
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.7017	0.4784
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.8037	0.1963	0.8037	0.5437	0.6856
phy	0.6418	0.3582	0.6418	0.2855	0.7832
pima	0.6842	0.3158	0.6842	0.2525	0.6773
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7586	0.0483	0.7586	0.5494	0.1922
polish-1st	0.9744	0.0256	0.9744	0.5784	0.3824
polish-2nd	0.9607	0.0393	0.9607	0.0440	0.2395
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9592	0.0408	0.9592	0.4419	0.3694
polish-5th	0.9543	0.0457	0.9543	0.5071	0.2279
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.6529	0.1388	0.6529	0.5650	0.2421
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.8657
primary-tumor	0.4848	0.0468	0.4848	0.4187	0.2123
profb	0.7015	0.2985	0.7015	0.1184	0.4472
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9238	0.0305	0.9238	0.8969	0.1080
pufs-6410%	0.4996	0.5004	0.4996	-0.0009	0.9936
raisin	0.8444	0.1556	0.8444	0.6889	0.5288
re0-wc	0.5600	0.0677	0.5600	0.3321	0.3026
re1-wc	0.5241	0.0381	0.5241	0.4302	0.1954
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9933	0.0011	0.9933	0.9833	0.0079
satimage	0.8212	0.0596	0.8212	0.7751	0.1814
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.8974	0.1026	0.8974	-0.0031	0.3170
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4706	0.5294	0.4706	-0.0588	0.9811
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6394	0.3606	0.6394	0.3238	0.5331
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8428	0.1410	0.8817	0.1327	0.6326
sensorless	0.9034	0.0176	0.9034	0.8938	0.0796
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8694	0.1306	0.8694	0.5623	0.6290
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9980	0.0020	0.9980	0.9941	0.0352
smk_can_187	0.7368	0.2632	0.7368	0.4751	0.7624
solar-flare	0.7698	0.0767	0.7698	0.7045	0.1983
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9283	0.0717	0.9283	0.8472	0.3161
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.4717	0.0220	0.4717	0.4366	0.1484
splice-EI	0.9748	0.0252	0.9748	0.9337	0.2013
splice-IE	0.9338	0.0662	0.9338	0.8175	0.3911
sport-articles	0.8500	0.1500	0.8500	0.6728	0.5692
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8896	0.0736	0.8896	0.8212	0.2500
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.6923	0.3077	0.6923	0.1552	0.5350
steel-p	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.6154	0.2564	0.6154	0.3868	0.4512
student-weekend	0.4308	0.2277	0.4308	0.1558	0.5365
student-workday	0.7188	0.1125	0.7188	0.0777	0.2017
susy10%	0.7275	0.2725	0.7275	0.4290	0.6160
swarm_aligned	0.9968	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0046
swarm_grouped	0.9880	0.0000	0.9977	0.9980	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.6263
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.8418	0.0288	0.8418	0.8256	0.1326
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8714	0.1286	0.8714	0.6409	0.5653
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1387
tox_171	0.6471	0.1765	0.6471	0.5278	0.2154
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7200	0.2800	0.7200	0.0741	0.8524
trec11-wc	0.8293	0.0379	0.8293	0.7880	0.1548
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.7889	0.0608
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9716	0.0204
trec41-wc	0.9432	0.0114	0.9432	0.9305	0.0561
trec45-wc	0.9565	0.0087	0.9565	0.9494	0.0366
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8250	0.0875	0.8250	0.7667	0.2273
tvnews	0.7478	0.2522	0.7478	0.3848	0.6259
urban	0.8507	0.0332	0.8507	0.8243	0.1242
vehicle	0.8095	0.0952	0.8095	0.7411	0.2045
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5354	0.0845	0.5354	0.4889	0.2790
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8288	0.0489	0.8288	0.7994	0.1598
watch-gyr10%	0.8718	0.0366	0.8718	0.8501	0.1404
waveform	0.7380	0.1747	0.7380	0.6071	0.4168
web-phishing	0.8741	0.0840	0.8741	0.7766	0.3682
weight-lift	0.5332	0.1867	0.5332	0.3714	0.2924
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0343
wilt	0.9876	0.0124	0.9876	0.8735	0.3108
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5786	0.1405	0.5786	0.2864	0.3432
winequality-white	0.4642	0.1531	0.4642	0.0722	0.4132
winnipeg	0.9703	0.0063	0.9884	0.9558	0.0488
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5270	0.0946	0.5270	0.3960	0.3759
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.7290	0.0542	0.7290	0.6954	0.2254
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 60: Detailed results for MultiBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1799	0.0566	0.1799	0.0867	0.3625
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9828	0.0172	0.9828	0.1501	0.2617
ads	0.9787	0.0213	0.9787	0.9073	0.1433
adult	0.8634	0.1366	0.8634	0.5818	0.5575
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.8190	0.1810	0.8190	0.1184	0.6209
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9992	0.0008	0.9992	0.2855	0.0047
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6216	0.3784	0.6216	0.2152	0.9118
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9971	0.0029	0.9971	0.2993	0.0138
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9734	0.0348
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9819	0.0045	0.9819	0.9702	0.0577
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0205
aps-failure	0.9900	0.0100	0.9900	0.6434	0.2259
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.7333	0.0410	0.7333	0.5462	0.1975
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6219	0.0630	0.6219	0.4496	0.2438
balance	0.8226	0.1183	0.8226	0.6886	0.3604
bank	0.9116	0.0884	0.9116	0.5200	0.5828
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8479	0.1521	0.8479	0.6452	0.4668
basehock	0.9698	0.0302	0.9698	0.9397	0.1825
bio	0.9965	0.0035	0.9965	0.7654	0.1393
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9875	0.0009	0.9875	0.2807	0.2510
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.7273	0.2727	0.7273	0.4407	0.7677
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9123	0.0877	0.9123	0.0874	0.2963
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.5000	0.5000	0.5000	-0.2308	1.0000
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8498	0.0300	0.8498	0.8182	0.1305
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7905	0.3062
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8210	0.2076
cas_N6512_cdk_ECFP2	0.5960	0.4040	0.5960	0.1406	0.7314
cdc_diabetes	0.8476	0.1016	0.8476	0.1986	0.3267
census10%	0.9502	0.0498	0.9502	0.3762	0.4085
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9998	0.0002	0.9998	0.8727	0.0694
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8394	0.3291
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3303	0.8030
cirrhosis	0.7619	0.1587	0.7619	0.5070	0.3634
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8130	0.0935	0.8130	0.7101	0.3997
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5918	0.2721	0.5918	0.3639	0.6601
cnae-9	0.6667	0.0741	0.6667	0.6250	0.1547
codon_usage	0.6101	0.0709	0.6101	0.5179	0.2206
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.1989	0.8928
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.6207	0.3793	0.6207	0.2084	0.9148
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9879	0.0081	0.9879	0.6454	0.0742
cottonmeloidogyne	0.6538	0.3462	0.6538	0.3108	0.7586
coupon	0.7429	0.2571	0.7429	0.4694	0.7616
covtype	0.7139	0.0817	0.7139	0.5322	0.3242
covtypeCD	0.9866	0.0134	0.9866	0.9420	0.1243
covtypeT	0.9800	0.0200	0.9800	0.8386	0.2644
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.8221	0.0593	0.8221	0.5807	0.2705
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.2812	0.0359	0.2812	0.2633	0.0854
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8250	0.1750	0.8250	0.3803	0.6296
deposit	0.8996	0.1004	0.8996	0.4266	0.5983
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9833	0.0167	0.9833	0.9667	0.0972
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5265	0.5805
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5919	0.4081	0.5919	0.1749	0.9328
dropout	0.7223	0.1851	0.7223	0.5210	0.4953
drug-01	0.3989	0.1717	0.3989	0.0078	0.3625
drug-02	0.5106	0.1398	0.5106	0.0118	0.3668
drug-03	0.6809	0.0912	0.6809	0.0150	0.3465
drug-04	0.5266	0.1353	0.5266	0.0191	0.3996
drug-05	0.7287	0.0775	0.7287	-0.0081	0.2227
drug-06	0.3723	0.1793	0.3723	0.2099	0.6099
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5426	0.1307	0.5426	0.0123	0.3696
drug-09	0.8617	0.0395	0.8617	-0.0064	0.2133
drug-10	0.5372	0.1322	0.5372	-0.0001	0.3368
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6170	0.1094	0.6170	0.2557	0.3604
drug-14	0.5957	0.1155	0.5957	0.1771	0.4583
drug-15	0.7606	0.0684	0.7606	0.0731	0.2475
drug-16	0.5904	0.1170	0.5904	0.3433	0.4069
drug-17	0.3245	0.1930	0.3245	0.0026	0.3591
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7713	0.0654	0.7713	0.0161	0.1589
drybean	0.9309	0.0197	0.9309	0.9164	0.1155
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1671	0.1041	0.1671	0.0297	0.3799
eeg-eye	0.5995	0.4005	0.5995	0.1205	0.5831
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4444	0.7681
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6986	0.1205	0.6986	0.6052	0.2887
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9348	0.0651	0.9348	0.8694	0.3225
fbis-wc	0.5488	0.0531	0.5488	0.4687	0.2614
fda.atompair_fp	0.6364	0.3636	0.6364	-0.1579	0.9308
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4953	0.2247
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4040	0.0078	0.4040	0.3470	0.2658
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8231	0.0590	0.8231	0.7854	0.1598
gastrointestinal	0.9375	0.0417	0.9375	0.9006	0.1278
gender	0.5874	0.2751	0.5874	0.0001	0.3499
gene	0.9243	0.0505	0.9243	0.8789	0.2148
german	0.6700	0.3300	0.6700	0.1316	0.7628
gina	0.8559	0.1441	0.8559	0.7108	0.5122
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6400	0.3261
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8929	0.1071	0.8929	0.7805	0.4593
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4545	0.4123
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9433	0.0095	0.9433	0.9330	0.0584
har70	0.8502	0.0428	0.8502	0.7869	0.1388
harth10%	0.7351	0.0442	0.7351	0.6271	0.1535
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9333	0.0667	0.9333	0.8661	0.3279
hepatitis	0.9333	0.0667	0.9333	0.7619	0.1858

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5884
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5506	0.4494	0.5506	0.0484	0.5853
higher	0.2143	0.1964	0.2143	0.0778	0.3607
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.9073	0.0927	0.9073	0.6296	0.4710
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.5833	0.2778	0.5833	0.2603	0.6604
htru2	0.9793	0.0207	0.9793	0.8727	0.2483
ht-sensor	0.7546	0.1636	0.7546	0.6367	0.3775
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.2937	0.7766
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6110	0.0299	0.6110	0.5955	0.1867
jm1	0.8090	0.1910	0.8090	0.0657	0.5057
fvowels	0.8464	0.0341	0.8464	0.8259	0.1983
kc1	0.8626	0.1374	0.8626	0.3196	0.5977
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1250	0.2343
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8474	0.0170	0.8474	0.8296	0.1834
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5079	0.1640	0.5079	0.3174	0.3191
la2s-wc	0.7698	0.0791	0.7435	0.6760	0.3336
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7228	0.0449
led24	0.6500	0.0700	0.6500	0.6045	0.1488
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4210	0.0445	0.4210	0.3985	0.2778
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8213	0.0643
linkage10%	1.0000	0.0000	0.9936	1.0000	0.0001
liver	0.7353	0.2647	0.7353	0.4354	0.7621
localization	0.5264	0.0861	0.5264	0.3793	0.3917
lrs	0.8302	0.0340	0.8302	0.7646	0.1507
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6981	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5500	0.4500	0.5500	0.1000	0.9601
magic04	0.8059	0.1941	0.8059	0.5262	0.5386

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6993	0.4079
messidor	0.6261	0.3739	0.6261	0.2744	0.8414
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0881
mfeat-fou	0.7950	0.0410	0.7950	0.7722	0.1811
mfeat-kar	0.8350	0.0330	0.8350	0.8167	0.1689
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1929
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0513
mfeat-zer	0.6650	0.0670	0.6650	0.6278	0.2310
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5201	0.4250
mobile	0.5629	0.0156	0.5629	0.5550	0.1680
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.7835	0.2147
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9908
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4928	0.5072	0.4928	-0.0100	0.9856
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.6830
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4343	0.7896
MUT_ci300400a	0.6892	0.3108	0.6892	0.3944	0.7703
MUT_ci300400a_cdk_ECFP2	0.6259	0.3741	0.6259	0.1267	0.6256
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9690	0.0310	0.9690	0.9379	0.1851
nci9	0.8333	0.0370	0.8333	0.8065	0.0000
ncRNA10%	0.8955	0.0094	0.9101	0.7053	0.2069
newspop	0.5328	0.4672	0.5328	0.0011	0.5225
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9536	0.0464	0.9536	0.8862	0.2844
NPHA-doctor-visits	0.5000	0.3333	0.5000	0.0943	0.6873
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0673
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.5714	0.0857	0.5714	0.5001	0.2598
oh15-wc	0.5435	0.0913	0.5435	0.4624	0.2361
oh5-wc	0.6044	0.0791	0.6044	0.5444	0.2606
opn310k	0.9130	0.0870	0.9130	0.0877	0.2575
opnat310k-hg16-17	0.9129	0.0871	0.9129	0.0891	0.2628
optdigits	0.9591	0.0082	0.9591	0.9545	0.0553
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6500	0.0175	0.6500	0.6410	0.0709
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8961	0.1329

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8873	0.1127	0.8873	0.7175	0.5118
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9009	0.0991	0.9009	-0.0409	0.6902
pcmac	0.5773	0.4227	0.5773	0.0254	0.8322
pd	0.8816	0.1184	0.8816	0.6786	0.5436
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1102
pendigits	0.9909	0.0018	0.9909	0.9899	0.0168
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8299	0.1701	0.8299	0.6082	0.6174
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8960
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6838	0.5614
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3000	0.8743
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9755	0.0245	0.9755	0.9482	0.1381
phoneme	0.8426	0.1574	0.8426	0.6101	0.6250
phy	0.6330	0.3670	0.6330	0.2639	0.7893
pima	0.7368	0.2632	0.7368	0.4154	0.7389
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.8432	0.0314	0.8432	0.7096	0.1431
polish-1st	0.9659	0.0341	0.9659	0.1938	0.1019
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9571	0.0429	0.9571	0.4139	0.4029
polish-5th	0.9543	0.0457	0.9543	0.5221	0.2877
polya	0.6497	0.3503	0.6497	0.0336	0.5494
popularity	0.6313	0.2458	0.6313	0.0006	0.3069
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.7209	0.1117	0.7209	0.6505	0.2791
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8356
primary-tumor	0.3333	0.0606	0.3333	0.2531	0.2332
profb	0.7015	0.2985	0.7015	0.3071	0.8426
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9250	0.0300	0.9250	0.8983	0.1106
pufs-6410%	0.5028	0.4973	0.5028	0.0054	0.9946
raisin	0.8667	0.1333	0.8667	0.7333	0.5084
re0-wc	0.6400	0.0554	0.6400	0.4835	0.3357
re1-wc	0.5361	0.0371	0.5361	0.4463	0.1888
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5893	0.4107	0.5893	-0.0006	0.6181
RT_IOT2022	0.9988	0.0002	0.9988	0.9969	0.0020
satimage	0.8414	0.0529	0.8414	0.8034	0.2036
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8989	0.1011	0.8989	0.0468	0.3692
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6804	0.3196	0.6804	0.3944	0.5572
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	0.0819	0.4920
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-4-gram	0.8644	0.1413	0.8420	0.1339	0.6464
sensorless	0.9709	0.0053	0.9709	0.9680	0.0372
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8954	0.1046	0.8954	0.5426	0.5492
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9761	0.0239	0.9761	0.7685	0.0796
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9994	0.0054
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7698	0.0767	0.7698	0.7055	0.2064
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9326	0.0674	0.9326	0.8581	0.3295
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5660	0.0181	0.5660	0.5379	0.1287
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8667	0.1333	0.8667	0.5591	0.5867
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8975	0.0683	0.8975	0.8335	0.2327
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7282	0.2718	0.7282	0.3097	0.6931
steel-p	0.9385	0.0615	0.9385	0.5074	0.4915
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.5385	0.3077	0.5385	0.2642	0.5598
student-weekend	0.3692	0.2523	0.3692	0.0682	0.6512
student-workday	0.7031	0.1187	0.7031	0.1677	0.4095
susy10%	0.7557	0.2443	0.7557	0.5031	0.7343
swarm_aligned	1.0000	0.0000	1.0000	0.9804	0.0000
swarm_flocking	0.9762	0.0004	0.9887	0.9795	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6833
Tdp_desc	0.9167	0.0833	0.9167	0.7216	0.2185
texture	0.9436	0.0102	0.9436	0.9379	0.0686
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8936	0.1064	0.8936	0.4051	0.2404
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8878	0.1122	0.8878	0.6794	0.4977
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.5882	0.2059	0.5882	0.4491	0.2795
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.7059	0.2941	0.7059	0.3307	0.8305
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	0.1297	0.8653
trec11-wc	0.8293	0.0379	0.8293	0.7907	0.1377
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9349	0.0291
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8250	0.0875	0.8250	0.7667	0.2266
tvnews	0.8386	0.1614	0.8386	0.6509	0.6031
urban	0.8507	0.0332	0.8507	0.8243	0.1242
vehicle	0.8095	0.0952	0.8095	0.7396	0.2579
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5556	0.0808	0.5556	0.5111	0.2689
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.3269	0.0673	0.3269	0.1610	0.2854
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8997	0.0287	0.8997	0.8827	0.1054
watch-gyr10%	0.9233	0.0219	0.9233	0.9103	0.0880
waveform	0.7840	0.1440	0.7840	0.6761	0.4476
web-phishing	0.8593	0.0938	0.8593	0.7518	0.4019
weight-lift	0.5473	0.1811	0.5473	0.3921	0.2981
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9855	0.0145	0.9855	0.8369	0.2405
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5786	0.1405	0.5786	0.2945	0.3477
winequality-white	0.4519	0.1566	0.4519	0.0260	0.4007
winnipeg	0.9642	0.0064	0.9747	0.9649	0.0477
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5473	0.0905	0.5473	0.4212	0.3439
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7387	0.0523	0.7387	0.7073	0.2159
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 61: Detailed results for Bagging

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1655	0.0576	0.1655	0.0697	0.3747
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9834	0.0166	0.9834	0.1810	0.2106
ads	0.9573	0.0427	0.9573	0.8053	0.2473
adult	0.8632	0.1368	0.8632	0.5837	0.5636
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6486	0.3514	0.6486	0.2304	0.8721
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9969	0.0031	0.9969	0.2099	0.0146
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9305	0.0348	0.9305	0.8624	0.1064
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.8999	0.0250	0.8999	0.8289	0.1220
anuran-species	0.9611	0.0078	0.9611	0.9457	0.0841
aps-failure	0.9870	0.0130	0.9870	0.4361	0.0896
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7111	0.0444	0.7111	0.4987	0.2136
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6162	0.0640	0.6162	0.4410	0.2714
balance	0.8387	0.1075	0.8387	0.7064	0.3368
bank	0.9094	0.0906	0.9094	0.4878	0.5809
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8203	0.1797	0.8203	0.5692	0.4620
basehock	0.9196	0.0804	0.9196	0.8393	0.3109
bio	0.9962	0.0038	0.9962	0.7340	0.1245
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9874	0.0009	0.9874	0.2446	0.2823
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.7857	0.2143	0.7857	0.4324	0.7241
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9100	0.0900	0.9100	0.0272	0.2462
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9655	0.0172	0.9655	0.9282	0.1593
card	0.8986	0.1014	0.8986	0.7928	0.4424
cardiotocography	0.8169	0.0366	0.8169	0.7793	0.1998
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7712	0.3014
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7273	0.2642
cas_N6512_cdk_ECFP2	0.5530	0.4470	0.5530	0.0333	0.5652
cdc_diabetes	0.8481	0.1013	0.8481	0.1479	0.2913
census10%	0.9512	0.0488	0.9512	0.3865	0.3895
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8570	0.0702
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6154	0.6415
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5985	0.6406
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2192	0.6561
cirrhosis	0.6905	0.2063	0.6905	0.3592	0.4339
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8111	0.0944	0.8111	0.7069	0.3970
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5510	0.2993	0.5510	0.3021	0.6821
cnae-9	0.6852	0.0700	0.6852	0.6458	0.1486
codon_usage	0.6086	0.0712	0.6086	0.5159	0.2208
coil20	0.9861	0.0014	0.9861	0.9854	0.0100
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.4828	0.5172	0.4828	-0.1725	0.9995
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8966	0.1034	0.8966	0.7031	0.4843
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9839	0.0108	0.9839	0.4451	0.0328
cottonmeloidogyne	0.5577	0.4423	0.5577	0.1082	0.6543
coupon	0.7027	0.2973	0.7027	0.3865	0.8198
covtype	0.7080	0.0834	0.7080	0.5228	0.3397
covtypeCD	0.9796	0.0204	0.9796	0.9119	0.1915
covtypeT	0.9803	0.0197	0.9803	0.8455	0.2943
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8194	0.0602	0.8194	0.5688	0.2545
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4688	0.0266	0.4688	0.4533	0.0754
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8243	0.1757	0.8243	0.3787	0.6331
deposit	0.8989	0.1011	0.8989	0.4427	0.6108
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5567	0.4433	0.5567	0.0823	0.8788
dropout	0.7314	0.1791	0.7314	0.5391	0.4871
drug-01	0.4043	0.1702	0.4043	0.0144	0.3279
drug-02	0.5213	0.1368	0.5213	0.0205	0.2953
drug-03	0.6702	0.0942	0.6702	-0.0287	0.3329
drug-04	0.5266	0.1353	0.5266	0.0200	0.4292
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3883	0.1748	0.3883	0.2107	0.4507
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5585	0.1261	0.5585	0.0422	0.3049
drug-09	0.8511	0.0426	0.8511	-0.0204	0.3205
drug-10	0.5426	0.1307	0.5426	0.0146	0.3382
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6117	0.1109	0.6117	0.2830	0.3636
drug-14	0.5904	0.1170	0.5904	0.1397	0.3827
drug-15	0.7660	0.0669	0.7660	0.0664	0.1851
drug-16	0.5957	0.1155	0.5957	0.3545	0.3836
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0152	0.1593
drybean	0.9221	0.0223	0.9221	0.9056	0.1238
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1715	0.1036	0.1715	0.0362	0.3926
eeg-eye	0.5648	0.4352	0.5648	0.0348	0.5395
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1441	0.6405
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6105	0.5504
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9839	0.0161	0.9839	0.7919	0.0579
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.8121	0.4138
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5480	0.2999
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9194	0.0806	0.9194	0.8383	0.3726
fbis-wc	0.4390	0.0660	0.4390	0.3177	0.2611
fda.atompair_fp	0.7727	0.2273	0.7727	0.2254	0.3902
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4839	0.2156
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4000	0.0078	0.4000	0.3435	0.2662
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.7930	0.0690	0.7930	0.7491	0.1744
gastrointestinal	0.8125	0.1250	0.8125	0.7126	0.1983
gender	0.5895	0.2737	0.5895	0.0078	0.3919
gene	0.9432	0.0379	0.9432	0.9093	0.1591
german	0.6600	0.3400	0.6600	0.0685	0.6805
gina	0.8357	0.1643	0.8357	0.6699	0.5298
glass	0.8095	0.0635	0.8095	0.7462	0.1637
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7085	0.5490
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1562	0.5205
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.8847	0.0192	0.8847	0.8638	0.1171
har70	0.8392	0.0459	0.8392	0.7722	0.1452
harth10%	0.7345	0.0443	0.7345	0.6264	0.1578
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8333	0.1667	0.8333	0.6637	0.5926
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7931	0.2069	0.7931	0.5856	0.5934
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5505	0.4495	0.5505	0.0483	0.5853
higher	0.2857	0.1786	0.2857	0.1566	0.3021
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8853	0.1147	0.8853	0.5440	0.5673
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6389	0.2407	0.6389	0.3352	0.5810
htru2	0.9793	0.0207	0.9793	0.8720	0.2411
ht-sensor	0.7549	0.1634	0.7549	0.6372	0.3791
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1243	0.6306
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5276	0.0363	0.5276	0.5087	0.2051
jm1	0.8090	0.1910	0.8090	0.0554	0.4776
fvowels	0.7771	0.0495	0.7771	0.7470	0.2187
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2956	0.7699
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7932	0.0230	0.7932	0.7692	0.2481
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7194	0.0874	0.7203	0.6484	0.3629
la2s-wc	0.7581	0.0790	0.7541	0.7013	0.3323
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7647	0.0118	0.7647	0.7523	0.0523
led24	0.7000	0.0600	0.7000	0.6629	0.1278
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4265	0.0441	0.4265	0.4043	0.2839
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8212	0.0633
linkage10%	0.9761	0.0000	0.9793	1.0000	0.0001
liver	0.6471	0.3529	0.6471	0.0599	0.8908
localization	0.4481	0.1003	0.4481	0.2535	0.3427
lrs	0.8302	0.0340	0.8302	0.7655	0.1418
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4885	0.5115	0.4885	-0.0231	0.8602
magic04	0.7880	0.2120	0.7880	0.4696	0.5131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7624	0.1584	0.7624	0.6387	0.4493
messidor	0.5565	0.4435	0.5565	0.1860	0.6578
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.0851
mfeat-fou	0.7150	0.0570	0.7150	0.6833	0.1813
mfeat-kar	0.6600	0.0680	0.6600	0.6222	0.2100
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.2041
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.0923
mfeat-zer	0.6500	0.0700	0.6500	0.6111	0.2161
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4469	0.3951
mobile	0.4965	0.0180	0.4965	0.4874	0.1764
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8864	0.1136	0.8864	0.3784	0.2512
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9978
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.7402
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3993	0.8090
MUT_ci300400a	0.5927	0.4073	0.5927	0.0528	0.5631
MUT_ci300400a_cdk_ECFP2	0.5947	0.4053	0.5947	0.0352	0.5453
myocardial	0.8824	0.0294	0.8824	0.4018	0.0945
naticusdroid	0.9475	0.0525	0.9475	0.8950	0.2604
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9170	0.0096	0.8866	0.7140	0.2027
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9382	0.0618	0.9382	0.8497	0.3525
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0231	0.7070
nursery	0.9977	0.0009	0.9977	0.9966	0.0202
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.6634	0.0673	0.6634	0.6047	0.1684
oh10-wc	0.5238	0.0952	0.5238	0.4438	0.2648
oh15-wc	0.4783	0.1043	0.4783	0.3902	0.2400
oh5-wc	0.4835	0.1033	0.4835	0.3942	0.2614
opn310k	0.9108	0.0892	0.9108	0.0371	0.2247
opnat310k-hg16-17	0.9105	0.0895	0.9105	0.0382	0.2452
optdigits	0.9021	0.0196	0.9021	0.8912	0.1267
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.6250	0.0187	0.6250	0.6154	0.0956
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8370	0.1560

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8691	0.1309	0.8691	0.6776	0.5649
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5722	0.4278	0.5722	-0.0164	0.6775
pd	0.8421	0.1579	0.8421	0.5102	0.5563
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9481	0.0104	0.9481	0.9423	0.0650
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6478	0.5885
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7154	0.5228
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.8019	0.1981	0.8019	0.5765	0.6134
phy	0.6314	0.3686	0.6314	0.2607	0.7875
pima	0.7237	0.2763	0.7237	0.3899	0.7718
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7193	0.0561	0.7193	0.4718	0.2031
polish-1st	0.9730	0.0270	0.9730	0.4474	0.0856
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9476	0.0524	0.9476	-0.0087	0.4454
polish-4th	0.9592	0.0408	0.9592	0.4419	0.3694
polish-5th	0.9492	0.0508	0.9492	0.4436	0.3042
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.6510	0.1396	0.6510	0.5629	0.2536
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.8100
primary-tumor	0.4545	0.0496	0.4545	0.3838	0.2235
profb	0.7015	0.2985	0.7015	0.1443	0.6218
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9147	0.0341	0.9147	0.8843	0.1285
pufs-6410%	0.5039	0.4961	0.5039	0.0076	0.9695
raisin	0.8667	0.1333	0.8667	0.7333	0.5084
re0-wc	0.4533	0.0841	0.4533	0.1261	0.2523
re1-wc	0.5301	0.0376	0.5301	0.4383	0.1921
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9950	0.0008	0.9950	0.9876	0.0083
satimage	0.8258	0.0581	0.8258	0.7831	0.2225
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.8974	0.1026	0.8974	0.0207	0.3730
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.5263	0.5283
schizo	0.4118	0.5882	0.4118	-0.1765	0.9771
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6093	0.3907	0.6093	0.2721	0.5252
segment	0.9394	0.0173	0.9394	0.9291	0.0677
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8500	0.1364	0.8662	0.1323	0.6374
sensorless	0.8766	0.0224	0.8766	0.8642	0.0908
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8865	0.1135	0.8865	0.5212	0.5984
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8276	0.0656
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9913	0.0087	0.9913	0.9738	0.1153
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7698	0.0767	0.7698	0.7035	0.1760
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9261	0.0739	0.9261	0.8425	0.3213
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.8857	0.1143	0.8857	0.6818	0.2781
spectrometer	0.3585	0.0267	0.3585	0.3088	0.1842
splice-EI	0.9748	0.0252	0.9748	0.9342	0.2081
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.8200	0.1800	0.8200	0.6182	0.6401
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8051	0.1949	0.8051	0.1109	0.3500
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8913	0.0725	0.8913	0.8240	0.2477
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6974	0.3026	0.6974	0.1866	0.6209
steel-p	0.9179	0.0821	0.9179	0.3432	0.6100
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9104	0.1831
studentap	0.5385	0.3077	0.5385	0.2778	0.5861
student-weekend	0.4000	0.2400	0.4000	0.0762	0.5115
student-workday	0.7031	0.1187	0.7031	0.0802	0.3332
susy10%	0.7560	0.2440	0.7560	0.5034	0.7318
swarm_aligned	1.0000	0.0000	0.9863	0.9831	0.0000
swarm_flocking	0.9762	0.0004	1.0000	0.9950	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.6263
Tdp_desc	0.8333	0.1667	0.8333	0.4130	0.5975
texture	0.7982	0.0367	0.7982	0.7783	0.1120
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8714	0.1286	0.8714	0.6409	0.5653
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.8824	0.0588	0.8824	0.8440	0.0951
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	-0.0345	0.9007
trec11-wc	0.7561	0.0542	0.7561	0.6861	0.1897
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9355	0.0184	0.9355	0.9151	0.0772
trec41-wc	0.9432	0.0114	0.9432	0.9305	0.0561
trec45-wc	0.9420	0.0116	0.9420	0.9326	0.0523
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8000	0.1000	0.8000	0.7333	0.2622
tvnews	0.7551	0.2449	0.7551	0.4062	0.6222
urban	0.8507	0.0332	0.8507	0.8243	0.1242
vehicle	0.8095	0.0952	0.8095	0.7417	0.2076
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5657	0.0790	0.5657	0.5222	0.2461
vowelZ	0.8990	0.1010	0.8990	-0.0185	0.5421
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8179	0.0520	0.8179	0.7866	0.1586
watch-gyr10%	0.8709	0.0369	0.8709	0.8491	0.1384
waveform	0.7200	0.1867	0.7200	0.5808	0.4772
web-phishing	0.8444	0.1037	0.8444	0.7212	0.4243
weight-lift	0.5042	0.1983	0.5042	0.3292	0.2943
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9876	0.0124	0.9876	0.8735	0.3108
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.5094	0.1635	0.5094	0.1690	0.3445
winequality-white	0.4499	0.1572	0.4499	0.0213	0.3943
winnipeg	0.9979	0.0064	0.9782	0.9663	0.0478
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5541	0.0892	0.5541	0.4307	0.3737
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.7269	0.0546	0.7269	0.6934	0.2319
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 62: Detailed results for GentleBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1799	0.0566	0.1799	0.0849	0.3692
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9816	0.0184	0.9816	0.0305	0.2740
ads	0.7561	0.2439	0.7561	0.4020	0.5464
adult	0.8061	0.1939	0.8061	0.2535	0.3624
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8651	0.1349	0.8651	0.0343	0.7257
AID1608Morered	0.9029	0.0971	0.9029	0.1166	0.6834
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7714	0.2286	0.7714	-0.0227	0.8163
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	0.2217	0.4869
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.5946	0.4054	0.5946	0.2014	0.8963
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9985	0.0015	0.9985	0.8198	0.4168
AID604AID644_AllRed	0.9988	0.0012	0.9988	0.2217	0.4869
AID644Morered	0.6500	0.3500	0.6500	0.2045	0.8754
AID644red	0.7000	0.3000	0.7000	0.2857	0.8453
AID_652128	0.8788	0.0808	0.8788	0.0616	0.1489
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red	0.9823	0.0177	0.9823	0.0311	0.5431
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.5556	0.4444	0.5556	0.0526	0.7987
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.4739	0.5261	0.4739	0.0063	0.0372
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9734	0.0324
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9722	0.0070	0.9722	0.9542	0.0979
anuran-species	0.9389	0.0122	0.9389	0.9146	0.0775
aps-failure	0.9859	0.0141	0.9859	0.3698	0.1251
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6222	0.0581	0.6222	0.2962	0.2456
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7495	0.0399
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.7988	0.0335	0.7988	0.7273	0.1753
balance	0.7419	0.1720	0.7419	0.5764	0.3947
bank	0.7771	0.2229	0.7771	0.3639	0.5628
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7926	0.2074	0.7926	0.4905	0.4535
basehock	0.9648	0.0352	0.9648	0.9296	0.1994
bio	0.9694	0.0306	0.9694	0.3165	0.4197
biodeg	0.8190	0.1810	0.8190	0.6182	0.6406
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.7772	0.0154	0.7772	0.0373	0.3815
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.7273	0.2727	0.7273	0.4407	0.7677
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9104	0.0896	0.9104	0.0362	0.2515
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8261	0.1739	0.8261	0.6465	0.6157
cardiotocography	0.7418	0.0516	0.7418	0.6849	0.1754
cardiotocography-nsp	0.8685	0.0876	0.8685	0.5757	0.3257
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7209	0.2947
cas_N6512_cdk_ECFP2	0.4793	0.5207	0.4793	0.0307	0.5716
cdc_diabetes	0.5398	0.3068	0.5398	0.1689	0.2856
census10%	0.9432	0.0568	0.9432	0.0990	0.1886
central-nervous-system	0.8333	0.1667	0.8333	0.6667	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9070	0.0930	0.9070	0.8009	0.4261
Choi_MACCS	0.5000	0.5000	0.5000	0.0000	0.8322
chrom19	0.9997	0.0003	0.9997	0.8013	0.0541
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6788	0.5564
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6757	0.5611
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7094	0.4381
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3350	0.7410
cirrhosis	0.7381	0.1746	0.7381	0.4526	0.3795
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7991	0.1005	0.7991	0.6934	0.4075
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.5833	0.2778	0.5833	0.3617	0.3679
cm1	0.9200	0.0800	0.9200	0.3103	0.1938
cmc	0.4898	0.3401	0.4898	0.2204	0.7166
cnae-9	0.7315	0.0597	0.7315	0.6979	0.1608
codon_usage	0.7322	0.0487	0.7322	0.6709	0.2289
coil20	0.9792	0.0021	0.9792	0.9781	0.0112
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.0963	0.9266
colposcopies-2	0.6897	0.3103	0.6897	0.2770	0.7986
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9941	0.0039	0.9941	0.8765	0.2582
cottonmeloidogyne	0.5361	0.4639	0.5361	0.0788	0.7800
coupon	0.6688	0.3312	0.6688	0.2844	0.7917
covtype	0.6437	0.1018	0.6437	0.4383	0.4001
covtypeCD	0.9548	0.0452	0.9548	0.7850	0.2411
covtypeT	0.9151	0.0849	0.9151	0.5644	0.5532
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.0763	0.7630
crowdsourced	0.6664	0.1112	0.6664	0.4685	0.3768
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5186	0.0807
cyclopentane	0.5926	0.4074	0.5926	0.1681	0.9372
cylinder-bands	0.6481	0.3519	0.6481	0.3001	0.8627
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7760	0.2240	0.7760	0.0024	0.4881
deposit	0.8823	0.1177	0.8823	0.0157	0.3454
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4545	0.3797
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.4865	0.7232
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.2000	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5435	0.4565	0.5435	0.0459	0.8029
dropout	0.7020	0.1986	0.7020	0.4784	0.4808
drug-01	0.4043	0.1702	0.4043	0.0220	0.3814
drug-02	0.5106	0.1398	0.5106	0.0081	0.4087
drug-03	0.6755	0.0927	0.6755	0.0091	0.2999
drug-04	0.5213	0.1368	0.5213	0.0111	0.4111
drug-05	0.7128	0.0821	0.7128	-0.0313	0.2778
drug-06	0.3723	0.1793	0.3723	0.1924	0.4876
drug-07	0.3723	0.1793	0.3723	0.0154	0.3507
drug-08	0.5532	0.1277	0.5532	0.0352	0.3779
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5319	0.1337	0.5319	-0.0080	0.3770
drug-11	0.8457	0.0441	0.8457	0.0962	0.4274
drug-12	0.7500	0.0714	0.7500	0.1964	0.4564
drug-13	0.5691	0.1231	0.5691	0.0072	0.3468
drug-14	0.5532	0.1277	0.5532	0.0021	0.4024
drug-15	0.7606	0.0684	0.7606	0.0587	0.2468
drug-16	0.5585	0.1261	0.5585	0.2800	0.4934
drug-17	0.3085	0.1976	0.3085	-0.0190	0.4121
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7606	0.0684	0.7606	0.0564	0.2709
drybean	0.8545	0.0416	0.8545	0.8249	0.1484
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1055	0.1118	0.1055	0.0036	0.3761
eeg-eye	0.5834	0.4166	0.5834	0.0815	0.5752
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2222	0.8992
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5402	0.6695
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6695	0.5756
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5866	0.6556
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.5890	0.1644	0.5890	0.4591	0.3405
euthyroid	0.9652	0.0348	0.9652	0.8004	0.3649
exon.vs.intron-freq	0.7485	0.2515	0.7485	0.5085	0.4985
fbis-wc	0.4228	0.0679	0.4228	0.3291	0.2573
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6190	0.1997
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.2958	0.0092	0.2958	0.2260	0.2841
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8303	0.0566	0.8303	0.7961	0.1635
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5747	0.2835	0.5747	-0.0226	0.4171
gene	0.9338	0.0442	0.9338	0.8944	0.1918
german	0.6600	0.3400	0.6600	0.1123	0.8016
gina	0.8040	0.1960	0.8040	0.6075	0.6536
glass	0.8095	0.0635	0.8095	0.7407	0.2171
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6311	0.6282
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4545	0.4004
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.9296	0.0117	0.9296	0.9168	0.0827
har70	0.9390	0.0229	0.9172	0.8869	0.1181
harth10%	0.1858	0.1357	0.1858	0.0007	0.2865
hayes-roth	0.7500	0.1667	0.7500	0.5949	0.1959
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.7667	0.2333	0.7667	0.5205	0.6223
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.6685	0.3315	0.6685	0.3393	0.6455
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5905
higher	0.2143	0.1964	0.2143	0.0833	0.3439
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.7622	0.2378	0.7622	0.4390	0.5844
hiva	0.9645	0.0355	0.9645	0.1102	0.3399
horse	0.6389	0.2407	0.6389	0.3659	0.5344
htru2	0.7710	0.2291	0.7710	0.3349	0.4987
ht-sensor	0.5613	0.2925	0.5613	0.3136	0.4335
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0557
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7288	0.2712	0.7288	0.1243	0.6306
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4339	0.0435	0.4339	0.4112	0.2221
jm1	0.8118	0.1882	0.8118	0.1385	0.6051
fvowels	0.4066	0.1319	0.4066	0.3351	0.3136
kc1	0.8531	0.1469	0.8531	0.2225	0.5902
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.1318	0.2661
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.6346	0.3654	0.6346	0.0608	0.8345
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8588	0.0157	0.8588	0.8424	0.1724
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7247	0.0895	0.7277	0.6673	0.3600
la2s-wc	0.7730	0.0810	0.7447	0.6923	0.3223
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7226	0.0517
led24	0.6000	0.0800	0.6000	0.5506	0.1719
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.3960	0.0465	0.3960	0.3732	0.2997
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6667	0.0444	0.6667	0.6436	0.0992
linkage10%	1.0000	0.0000	0.9984	0.9816	0.0001
liver	0.4706	0.5294	0.4706	-0.0588	0.9344
localization	0.3308	0.1217	0.3308	0.0007	0.3093
lrs	0.8679	0.0264	0.8679	0.8158	0.1005
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9029	0.1238
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.4808	0.5192	0.4808	-0.0385	0.9093
magic04	0.7159	0.2841	0.7159	0.2409	0.5148

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5681	0.6301
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6993	0.4117
messidor	0.6435	0.3565	0.6435	0.3172	0.7726
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.7800	0.0440	0.7800	0.7556	0.1377
mfeat-fou	0.5600	0.0880	0.5600	0.5111	0.2196
mfeat-kar	0.4900	0.1020	0.4900	0.4333	0.2732
mfeat-mor	0.6350	0.0730	0.6350	0.5944	0.2123
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0378
mfeat-zer	0.5900	0.0820	0.5900	0.5444	0.2829
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3724	0.4388
mobile	0.4161	0.0209	0.4161	0.4055	0.2033
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.7879	0.2121	0.7879	0.4799	0.5278
mutagen_class_1	0.6029	0.3971	0.6029	0.2059	0.8920
mutagen_class_2	0.4853	0.5147	0.4853	-0.0294	0.9340
mutagen_class_3	0.4783	0.5217	0.4783	-0.0579	0.7600
mutagens_ExtendedFingerprinter	0.8088	0.1912	0.8088	0.6176	0.6395
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3215	0.8101
MUT_ci300400a	0.6992	0.3008	0.6992	0.4143	0.7529
MUT_ci300400a_cdk_ECFP2	0.5839	0.4161	0.5839	0.0033	0.5068
myocardial	0.6353	0.0912	0.6353	0.1688	0.1705
naticusdroid	0.8807	0.1193	0.8807	0.7615	0.3574
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9302	0.0096	0.9182	0.7101	0.2042
newspop	0.4690	0.5310	0.4690	0.0022	0.5359
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9335	0.0665	0.9335	0.8427	0.3728
NPHA-doctor-visits	0.2917	0.4722	0.2917	-0.1454	0.8554
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9903	0.0097	0.9903	0.9729	0.1138
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.2772	0.1446	0.2772	0.1295	0.3393
oh10-wc	0.4000	0.1200	0.4000	0.2957	0.2983
oh15-wc	0.2935	0.1413	0.2935	0.1639	0.3398
oh5-wc	0.6374	0.0725	0.6374	0.5895	0.2557
opn310k	0.1374	0.8626	0.1374	0.0088	0.2331
opnat310k-hg16-17	0.9148	0.0852	0.9148	0.3650	0.5901
optdigits	0.9306	0.0139	0.9306	0.9228	0.0877
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7000	0.0150	0.7000	0.6923	0.0764
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9762	0.0095	0.9762	0.8574	0.1253

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.3383	0.6617	0.3383	0.0456	0.4901
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4536	0.5464	0.4536	-0.1040	1.0000
pd	0.9342	0.0658	0.9342	0.8276	0.3877
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1211
pendigits	0.9454	0.0109	0.9454	0.9392	0.0428
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.6340	0.3660	0.6340	0.3090	0.7530
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7791	0.4162
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9837	0.0163	0.9837	0.9657	0.1170
phoneme	0.5056	0.4944	0.5056	0.1796	0.6300
phy	0.5022	0.4978	0.5022	-0.0012	0.5672
pima	0.6711	0.3289	0.6711	0.3457	0.8232
plx	0.7222	0.2778	0.7222	0.1509	0.7953
poker	0.8412	0.0318	0.8412	0.7128	0.2295
polish-1st	0.9303	0.0697	0.9303	0.2550	0.5942
polish-2nd	0.4641	0.5359	0.4641	0.0148	0.2154
polish-3rd	0.9486	0.0514	0.9486	0.0258	0.4402
polish-4th	0.9439	0.0561	0.9439	0.3251	0.5860
polish-5th	0.9425	0.0575	0.9425	0.4246	0.4849
polya	0.3870	0.6130	0.3870	0.0320	0.5298
popularity	0.3160	0.4560	0.3160	0.0000	0.3353
post-operative	0.5556	0.2963	0.5556	0.0000	0.4796
postures	0.5042	0.1983	0.5042	0.3769	0.2929
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8828
primary-tumor	0.3636	0.0579	0.3636	0.2878	0.2232
profb	0.5373	0.4627	0.5373	0.1407	0.8304
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8589	0.0564	0.8589	0.8119	0.1887
pufs-6410%	0.5041	0.4959	0.5041	0.0081	0.9700
raisin	0.8444	0.1556	0.8444	0.6889	0.5288
re0-wc	0.4400	0.0862	0.4400	0.0908	0.2697
re1-wc	0.3735	0.0501	0.3735	0.2175	0.2673
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.4688	0.5312	0.4688	0.0856	0.5294
RT_IOT2022	0.9757	0.0040	0.9757	0.9390	0.0141
satimage	0.7605	0.0798	0.7605	0.7107	0.1999
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8351	0.1649	0.8351	0.4334	0.5779
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4706	0.5294	0.4706	-0.0588	0.9973
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.8528	0.1472	0.8528	0.7111	0.4192
segment	0.9740	0.0074	0.9740	0.9696	0.0292
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9419	0.0581	0.9419	0.2673	0.3546
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.3868	0.6132	0.3868	0.0206	0.4977
sens-2-gram	0.5474	0.4526	0.5474	0.1153	0.5411
sens-3-gram	0.5947	0.4053	0.5947	0.0907	0.6023
sens-4-gram	0.8709	0.1366	0.8684	0.1290	0.6484
sensorless	0.9930	0.0013	0.9930	0.9923	0.0134
sepsis	0.4883	0.5117	0.4883	0.0502	0.4157
shoppers	0.8516	0.1484	0.8516	0.0804	0.3804
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9761	0.0239	0.9761	0.7875	0.2654
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9916	0.0084	0.9916	0.9741	0.0439
smk_can_187	0.5263	0.4737	0.5263	0.0552	0.9801
solar-flare	0.7122	0.0959	0.7122	0.6291	0.2293
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9412	0.0062	0.9412	0.9357	0.0333
spambase	0.9217	0.0783	0.9217	0.8376	0.3764
spect	0.7407	0.2593	0.7407	-0.0678	0.7802
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4528	0.0228	0.4528	0.4187	0.1565
splice-EI	0.9653	0.0347	0.9653	0.9106	0.2608
splice-IE	0.9464	0.0536	0.9464	0.8549	0.3500
sport-articles	0.7500	0.2500	0.7500	0.4607	0.7648
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.6718	0.3282	0.6718	0.2909	0.7028
steel-d	0.9846	0.0154	0.9846	0.7194	0.3544
steel_industry	0.8744	0.0837	0.8744	0.7933	0.2595
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6974	0.3026	0.6974	0.1798	0.5817
steel-p	0.9282	0.0718	0.9282	0.4946	0.5864
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.5385	0.3077	0.5385	0.2642	0.5598
student-weekend	0.3538	0.2585	0.3538	0.0208	0.6105
student-workday	0.6094	0.1562	0.6094	0.0142	0.4923
susy10%	0.4580	0.5420	0.4580	0.0000	0.5345
swarm_aligned	0.9757	0.0000	0.9841	0.9889	0.0000
swarm_flocking	0.9870	0.0004	1.0000	1.0000	0.0048
swarm_grouped	0.9980	0.0000	0.9827	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.9167	0.0833	0.9167	0.7477	0.4300
texture	0.8127	0.0340	0.8127	0.7940	0.0852
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.1671	0.6222
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.7681	0.2319	0.7681	0.1286	0.5566
titanic	0.4364	0.5636	0.4364	-0.0249	0.8806
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.9412	0.0294	0.9412	0.9217	0.0721
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	-0.0345	0.9007
trec11-wc	0.7073	0.0650	0.7073	0.6445	0.2264
trec12-wc	0.9355	0.0161	0.9355	0.9229	0.0582

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9395	0.0867
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9205	0.0159	0.9205	0.9036	0.1253
trec45-wc	0.9565	0.0087	0.9565	0.9494	0.0353
tuandromd	0.9753	0.0247	0.9753	0.9198	0.0919
turkish	0.8750	0.0625	0.8750	0.8333	0.1618
tvnews	0.8055	0.1945	0.8055	0.6015	0.6377
urban	0.8358	0.0365	0.8358	0.8068	0.1436
vehicle	0.7500	0.1250	0.7500	0.6620	0.2847
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.5263	0.5112
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4343	0.1028	0.4343	0.3778	0.2907
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.1097	0.8903	0.1097	0.0038	0.2227
wap-wc	0.3526	0.0647	0.3526	0.2557	0.2818
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9369	0.0180	0.9369	0.9262	0.0646
watch-gyr10%	0.9346	0.0187	0.9346	0.9236	0.0491
waveform	0.7240	0.1840	0.7240	0.5865	0.4959
web-phishing	0.8370	0.1086	0.8370	0.7203	0.4439
weight-lift	0.8510	0.0596	0.8510	0.8119	0.1205
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5409	0.1530	0.5409	0.2373	0.2980
winequality-white	0.4560	0.1554	0.4560	0.0246	0.3031
winnipeg	0.9839	0.0064	0.9736	0.9547	0.0483
yale	0.6875	0.0417	0.6875	0.6667	0.0748
yeast	0.4527	0.1095	0.4527	0.2897	0.3685
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.3849	0.1230	0.3849	0.3256	0.2714
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 63: Detailed results for ReweightBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1583	0.0580	0.1583	0.0725	0.4955
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9622	0.0378	0.9622	0.3222	0.5241
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8342	0.1658	0.8342	0.4204	0.4840
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8651	0.1349	0.8651	-0.0657	0.7371
AID1608Morered	0.8641	0.1359	0.8641	0.0526	0.6574
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.7810	0.2190	0.7810	-0.0672	0.7741
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6757	0.3243	0.6757	0.3273	0.8564
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9996	0.0004	0.9996	0.9410	0.1510
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.2045	0.8754
AID644red	0.6000	0.4000	0.6000	0.1304	0.8900
AID_652128	0.8586	0.0943	0.8586	0.0797	0.3740
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9958	0.0042	0.9958	-0.0017	0.5306
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9893	0.0107	0.9893	0.1741	0.5400
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.9077	0.0923	0.9077	0.7273	0.4552
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9777	0.0111	0.9777	0.9573	0.0486
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9805	0.0049	0.9805	0.9680	0.0782
anuran-species	0.9806	0.0039	0.9806	0.9729	0.0476
aps-failure	0.9888	0.0112	0.9888	0.6201	0.3340
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7556	0.0376	0.7556	0.5972	0.1980
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.7996	0.0387
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9880	0.0020	0.9880	0.9844	0.0355
balance	0.7581	0.1613	0.7581	0.5841	0.4800
bank	0.9000	0.1000	0.9000	0.4791	0.6268
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8687	0.1313	0.8687	0.6985	0.4459
basehock	0.9598	0.0402	0.9598	0.9196	0.2182
bio	0.9965	0.0035	0.9965	0.7756	0.2107
biodeg	0.8762	0.1238	0.8762	0.7388	0.5111
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9614	0.0027	0.9614	0.2391	0.3762
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9129	0.0871	0.9129	0.1589	0.4243
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6612	0.2404
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9508	0.0630
card	0.7971	0.2029	0.7971	0.5951	0.6460
cardiotocography	0.8639	0.0272	0.8639	0.8367	0.1724
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7789	0.3294
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5536	0.5268
cas_N6512_cdk_ECFP2	0.4962	0.5038	0.4962	0.0586	0.6118
cdc_diabetes	0.7582	0.1612	0.7582	0.1528	0.6570
census10%	0.9479	0.0521	0.9479	0.3979	0.4949
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8837	0.1163	0.8837	-0.0617	0.6549
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9302	0.0698	0.9302	0.4669	0.4550
chemo_fontaine	0.8605	0.1395	0.8605	0.7159	0.5084
Choi_MACCS	0.6250	0.3750	0.6250	-0.2000	0.9438
chrom19	0.9998	0.0002	0.9998	0.8783	0.1007
ci100410h_MACCS	0.7500	0.2500	0.7500	0.0791	0.8166
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6857	0.5682
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7070	0.4428
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.6632	0.3368	0.6632	0.2346	0.8646
cirrhosis	0.6905	0.2063	0.6905	0.3810	0.5232
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7769	0.1116	0.7769	0.6617	0.4503
climate	0.8704	0.1296	0.8704	0.1525	0.6728
cil_sub_111	0.6667	0.2222	0.6667	0.4783	0.3555
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5646	0.2902	0.5646	0.3062	0.6747
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0707
codon_usage	0.7675	0.0423	0.7675	0.7162	0.3019
coil20	0.9792	0.0021	0.9792	0.9781	0.0150
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.5862	0.4138	0.5862	0.0890	0.9496
colposcopies-3	0.7241	0.2759	0.7241	0.4171	0.7875
colposcopies-4	0.6897	0.3103	0.6897	-0.0653	0.7791

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.7241	0.2759	0.7241	0.2468	0.8309
column-2c	0.9677	0.0323	0.9677	0.9281	0.2092
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9892	0.0072	0.9892	0.7467	0.2873
cottonmeloidogyne	0.5529	0.4471	0.5529	0.1130	0.6212
coupon	0.6498	0.3502	0.6498	0.2682	0.8777
covtype	0.6522	0.0994	0.6522	0.4515	0.4814
covtypeCD	0.9871	0.0129	0.9871	0.9456	0.1673
covtypeT	0.9777	0.0223	0.9777	0.8069	0.1944
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2129	0.7253
crowdsourced	0.8820	0.0393	0.8820	0.7569	0.3508
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.4688	0.0266	0.4688	0.4527	0.0817
cyclopentane	0.6296	0.3704	0.6296	0.2742	0.8595
cylinder-bands	0.7222	0.2778	0.7222	0.4223	0.7914
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.7200	0.4011
default	0.7840	0.2160	0.7840	0.1418	0.6655
deposit	0.8932	0.1068	0.8932	0.2888	0.5520
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7895	0.1981
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6223	0.5316
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5354	0.3098	0.5354	-0.0025	0.3979
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4796	0.5204	0.4796	0.0059	0.7534
dropout	0.6524	0.2318	0.6524	0.4310	0.6318
drug-01	0.3351	0.1900	0.3351	0.0210	0.7126
drug-02	0.3564	0.1839	0.3564	0.0375	0.7470
drug-03	0.6064	0.1125	0.6064	0.0757	0.6302
drug-04	0.3298	0.1915	0.3298	0.0281	0.7203
drug-05	0.6702	0.0942	0.6702	-0.0107	0.4270
drug-06	0.3298	0.1915	0.3298	0.1947	0.7360
drug-07	0.3245	0.1930	0.3245	-0.0692	0.5586
drug-08	0.4309	0.1626	0.4309	0.0672	0.6173
drug-09	0.8351	0.0471	0.8351	0.0887	0.3792
drug-10	0.4255	0.1641	0.4255	0.0922	0.6829
drug-11	0.7766	0.0638	0.7766	0.0502	0.5188
drug-12	0.7287	0.0775	0.7287	0.0514	0.6464
drug-13	0.5266	0.1353	0.5266	0.1169	0.6525
drug-14	0.5638	0.1246	0.5638	0.2458	0.5386
drug-15	0.7074	0.0836	0.7074	0.1085	0.6104
drug-16	0.4787	0.1489	0.4787	0.1708	0.5812
drug-17	0.2553	0.2128	0.2553	0.0668	0.7712
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7074	0.0836	0.7074	0.0320	0.5301
drybean	0.8971	0.0294	0.8971	0.8759	0.1505
ecoli	0.8824	0.0294	0.8824	0.8373	0.0976
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.8485	0.1515	0.8485	0.2029	0.6894
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1794	0.1026	0.1794	0.0967	0.6987
eeg-eye	0.6622	0.3378	0.6622	0.2722	0.6351
EPA_FHM	1.0000	0.0000	1.0000	1.0000	0.0000
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.3045	0.8639
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4961	0.6945
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	-0.0517	0.6364
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.7705	0.2295	0.7705	0.4799	0.7381
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9020	0.2532
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6894	0.4884
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7213	0.2787	0.7213	0.4151	0.7392
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6849	0.1260	0.6849	0.5919	0.3310
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.8847	0.1153	0.8847	0.7696	0.4656
fbis-wc	0.7154	0.0335	0.7154	0.6784	0.2806
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4771	0.2657
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.2018	0.0104	0.2018	0.1683	0.3774
forest	0.8654	0.0673	0.8654	0.8149	0.1888
gas	0.9878	0.0041	0.9878	0.9852	0.0297
gastrointestinal	0.6875	0.2083	0.6875	0.5031	0.5143
gender	0.5284	0.3144	0.5284	-0.0209	0.7195
gene	0.9243	0.0505	0.9243	0.8788	0.2165
german	0.6600	0.3400	0.6600	0.1521	0.8562
gina	0.7810	0.2190	0.7810	0.5639	0.6449
glass	0.7619	0.0794	0.7619	0.6569	0.2065
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3103	0.8482
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4444	0.1161
glioma-grade	0.7976	0.2024	0.7976	0.5820	0.6749
green	0.9000	0.1000	0.9000	0.7368	0.2605
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.6667	0.3333	0.6667	0.3333	0.5000
grub-damage	0.5333	0.2333	0.5333	0.3478	0.3956
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9533	0.0078	0.9533	0.9449	0.0534
har70	0.9341	0.0235	0.9030	0.8940	0.1195
harth10%	0.4390	0.0935	0.4390	0.3191	0.4202
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.7333	0.2667	0.7333	0.4545	0.7296
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.6615	0.3385	0.6615	0.3255	0.5749
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.4706	0.5294	0.4706	0.0001	0.5344
higher	0.2857	0.1786	0.2857	0.1667	0.3295
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8988	0.1012	0.8988	0.6081	0.5306
hiva	0.9527	0.0473	0.9527	0.1439	0.6131
horse	0.6944	0.2037	0.6944	0.4598	0.5192
htru2	0.9732	0.0268	0.9732	0.8255	0.2381
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0010
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.5593	0.4407	0.5593	-0.2003	0.9735
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7304	0.0207	0.7304	0.7196	0.1975
jm1	0.8044	0.1956	0.8044	0.1229	0.6639
jvowels	0.9267	0.0163	0.9267	0.9170	0.1115
kc1	0.8626	0.1374	0.8626	0.4141	0.6625
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.0577	0.2466
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.0691	0.8541
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8332	0.0185	0.8332	0.8138	0.2001
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7360	0.0884	0.7348	0.6473	0.3598
la2s-wc	0.7487	0.0789	0.7586	0.6762	0.3196
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6915	0.0540
led24	0.6000	0.0800	0.6000	0.5480	0.1699
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.6425	0.0275	0.6425	0.6285	0.2707
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8507	0.0657
linkage10%	0.9992	0.0000	0.9953	1.0000	0.0001
liver	0.7353	0.2647	0.7353	0.4594	0.7175
localization	0.4391	0.1020	0.4391	0.3122	0.8006
lrs	0.8302	0.0340	0.8302	0.7651	0.1267
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.6667	0.0741	0.6667	0.5000	0.1270
madelon	0.5077	0.4923	0.5077	0.0154	0.8613
magic04	0.7885	0.2115	0.7885	0.4907	0.6281

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5258	0.6913
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7426	0.1716	0.7426	0.6105	0.4676
messidor	0.5826	0.4174	0.5826	0.1773	0.9169
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8475	0.1419
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0540
mfeat-fou	0.7750	0.0450	0.7750	0.7500	0.2000
mfeat-kar	0.9250	0.0150	0.9250	0.9167	0.0895
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2261
mfeat-pix	0.9450	0.0110	0.9450	0.9389	0.0668
mfeat-zer	0.6950	0.0610	0.6950	0.6611	0.2412
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5211	0.3853
mobile	0.5210	0.0171	0.5210	0.5123	0.2037
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9515	0.0485	0.9515	0.7965	0.2705
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9520
mutagen_class_2	0.6029	0.3971	0.6029	0.2059	0.8575
mutagen_class_3	0.5217	0.4783	0.5217	0.0380	0.9602
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8104
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3215	0.8101
MUT_ci300400a	0.5188	0.4812	0.5188	0.1290	0.7050
MUT_ci300400a_cdk_ECFP2	0.4436	0.5564	0.4436	0.0348	0.5935
myocardial	0.8824	0.0294	0.8824	0.4408	0.2063
naticusdroid	0.9386	0.0614	0.9386	0.8773	0.2732
nci9	0.5000	0.1111	0.5000	0.4000	0.1511
ncRNA10%	0.8998	0.0096	0.9141	0.7131	0.2044
newspop	0.4755	0.5245	0.4755	0.0130	0.5748
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9495	0.0505	0.9495	0.8756	0.2962
NPHA-doctor-visits	0.3333	0.4444	0.3333	-0.1095	0.8176
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0700
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0096
oh0-wc	0.8218	0.0356	0.8218	0.7935	0.1390
oh10-wc	0.5905	0.0819	0.5905	0.5261	0.3323
oh15-wc	0.7391	0.0522	0.7391	0.6998	0.2164
oh5-wc	0.7253	0.0549	0.7253	0.6912	0.2460
opn310k	0.9118	0.0882	0.9118	0.0787	0.2973
opnat310k-hg16-17	0.9127	0.0873	0.9127	0.0974	0.2994
optdigits	0.9609	0.0078	0.9609	0.9565	0.0553
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.8500	0.0075	0.8500	0.8462	0.0265
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9605	0.0395	0.9605	0.1516	0.5272
ozone8hr	0.9091	0.0909	0.9091	0.1636	0.6593
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9708	0.0117	0.9708	0.8293	0.1983

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.2000	0.8000	0.2000	-0.4286	1.0000
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8308	0.1692	0.8308	0.6181	0.6134
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.3567	0.6383
pcmac	0.4175	0.5825	0.4175	-0.1512	1.0000
pd	0.8947	0.1053	0.8947	0.7288	0.5149
pediatric-leukemia	0.7941	0.0588	0.7941	0.7441	0.1659
pendigits	0.9945	0.0011	0.9945	0.9939	0.0103
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	0.0000	0.8722
P-Glycoprotein_b_Inhibitor	0.7320	0.2680	0.7320	0.4200	0.7862
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9597
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7698	0.2302	0.7698	0.5392	0.7167
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.6500	0.3500	0.6500	0.3137	0.8299
phishing	0.9633	0.0367	0.9633	0.9234	0.2219
phoneme	0.8389	0.1611	0.8389	0.5683	0.5943
phy	0.6224	0.3776	0.6224	0.2424	0.7708
pima	0.7500	0.2500	0.7500	0.4547	0.7404
plrx	0.7778	0.2222	0.7778	0.3684	0.7203
poker	0.7265	0.0547	0.7265	0.4991	0.2919
polish-1st	0.9630	0.0370	0.9630	0.2636	0.4479
polish-2nd	0.9558	0.0442	0.9558	-0.0088	0.4656
polish-3rd	0.9486	0.0514	0.9486	0.1127	0.5046
polish-4th	0.9520	0.0480	0.9520	0.3678	0.4938
polish-5th	0.9577	0.0423	0.9577	0.6260	0.4259
polya	0.4357	0.5643	0.4357	0.0770	0.6349
popularity	0.3198	0.4535	0.3198	-0.0017	0.3870
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9385	0.0246	0.9385	0.9232	0.1173
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8639
primary-tumor	0.3939	0.0551	0.3939	0.3189	0.2696
profb	0.6866	0.3134	0.6866	0.3428	0.8129
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9891	0.0043	0.9891	0.9854	0.0335
pufs-6410%	0.4985	0.5015	0.4985	-0.0030	0.9922
raisin	0.8667	0.1333	0.8667	0.7333	0.4919
re0-wc	0.7333	0.0410	0.7333	0.6541	0.2640
re1-wc	0.6687	0.0265	0.6687	0.6101	0.2616
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5312	0.4688	0.5312	0.1649	0.6776
RT_IOT2022	0.9986	0.0002	0.9986	0.9965	0.0025
satimage	0.8429	0.0524	0.8429	0.8070	0.2140
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9145	0.0855	0.9145	0.5566	0.6009
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.4706	0.5294	0.4706	-0.0588	0.9811
secom	0.9231	0.0769	0.9231	0.1103	0.6287
secondary_mushroom	0.9997	0.0003	0.9997	0.9993	0.0042
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9186	0.0814	0.9186	0.1823	0.6517
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8500	0.1500	0.8500	0.1486	0.7156
sens-2-gram	0.8000	0.2000	0.8000	0.0256	0.7882
sens-3-gram	0.8474	0.1526	0.8474	0.1431	0.7244
sens-4-gram	0.8562	0.1373	0.8599	0.1345	0.6435
sensorless	0.9764	0.0043	0.9764	0.9741	0.0273
sepsis	0.8899	0.1101	0.8899	0.0269	0.6678
shoppers	0.8783	0.1217	0.8783	0.4086	0.5521
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8149	0.2550
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.9998	0.0002	0.9998	0.9994	0.0048
smk_can_187	0.6316	0.3684	0.6316	0.2811	0.7662
solar-flare	0.6763	0.1079	0.6763	0.5869	0.3144
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.8935	0.1065	0.8935	0.7824	0.4464
spect	0.7407	0.2593	0.7407	0.0870	0.8344
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5094	0.0204	0.5094	0.4825	0.1376
splice-EI	0.9558	0.0442	0.9558	0.8876	0.3038
splice-IE	0.9117	0.0883	0.9117	0.7599	0.4725
sport-articles	0.8000	0.2000	0.8000	0.5710	0.6803
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8256	0.1744	0.8256	0.4654	0.7028
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8662	0.0892	0.8662	0.7787	0.2274
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6718	0.3282	0.6718	0.3059	0.8494
steel-p	0.9128	0.0872	0.9128	0.3253	0.6351
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.5385	0.3077	0.5385	0.2909	0.5745
student-weekend	0.2923	0.2831	0.2923	-0.0047	0.7151
student-workday	0.6094	0.1562	0.6094	0.1121	0.6042
susy10%	0.6713	0.3287	0.6713	0.3004	0.5567
swarm_aligned	0.9864	0.0000	1.0000	0.9811	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0047
swarm_grouped	0.9909	0.0000	0.9752	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4239
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9782	0.0040	0.9782	0.9759	0.0324
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.2863	0.6913
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9684	0.0316	0.9684	0.9299	0.2103
tis	0.8212	0.1788	0.8212	0.5411	0.6792
titanic	0.3500	0.6500	0.3500	-0.0077	0.6894
tourist	0.7500	0.0833	0.7500	0.6364	0.0795
tox_171	0.5882	0.2059	0.5882	0.4465	0.3385
toxicity	0.4118	0.5882	0.4118	-0.3934	1.0000
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.9268	0.0163	0.9268	0.9098	0.0308
trec12-wc	0.8387	0.0403	0.8387	0.8050	0.1256

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.7356	0.2337
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9570	0.0244
trec41-wc	0.9659	0.0068	0.9659	0.9585	0.0447
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0487
tuandromd	0.9776	0.0224	0.9776	0.9274	0.0855
turkish	0.7750	0.1125	0.7750	0.7000	0.2792
tvnews	0.4258	0.5742	0.4258	0.0661	0.5799
urban	0.8209	0.0398	0.8209	0.7892	0.1469
vehicle	0.6786	0.1607	0.6786	0.5691	0.3553
vehicleVAN	0.9524	0.0476	0.9524	0.8806	0.3064
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9070	0.0930	0.9070	0.8143	0.3926
vowel	0.5758	0.0771	0.5758	0.5333	0.2722
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.8807	0.1193	0.8807	0.1539	0.7061
wap-wc	0.5705	0.0429	0.5705	0.5241	0.2782
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9861	0.0040	0.9861	0.9838	0.0204
watch-gyr10%	0.9992	0.0002	0.9992	0.9990	0.0026
waveform	0.7560	0.1627	0.7560	0.6337	0.4745
web-phishing	0.8370	0.1086	0.8370	0.7118	0.4329
weight-lift	0.9908	0.0037	0.9908	0.9884	0.0253
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9814	0.0186	0.9814	0.8065	0.3702
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5283	0.1572	0.5283	0.2312	0.4342
winequality-white	0.4172	0.1665	0.4172	0.1143	0.6298
winnipeg	0.9651	0.0063	0.9789	0.9753	0.0486
yale	0.6875	0.0417	0.6875	0.6653	0.0750
yeast	0.4324	0.1135	0.4324	0.2670	0.4365
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.8430	0.0314	0.8430	0.8241	0.2010
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 64: Detailed results for FloatBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1151	0.0610	0.1151	0.0435	0.4412
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9284	0.0716	0.9284	0.2268	0.3967
ads	0.9543	0.0457	0.9543	0.8121	0.3831
adult	0.7797	0.2203	0.7797	0.3282	0.7674
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.7222	0.2778	0.7222	0.0055	0.7605
AID_1431	0.8095	0.1905	0.8095	-0.0265	0.6799
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.6762	0.3238	0.6762	-0.0924	0.8492
AID362red	0.9813	0.0187	0.9813	-0.0071	0.5505
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.2469	0.7705
AID_602330	0.9010	0.0990	0.9010	-0.0507	0.5773
AID604	0.9767	0.0233	0.9767	0.1899	0.2841
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.7778	0.1481	0.7778	-0.0583	0.6266
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9930	0.0070	0.9930	-0.0034	0.4795
AID688red	0.9787	0.0213	0.9787	-0.0106	0.4989
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9481	0.0519	0.9481	0.0146	0.1929
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9791	0.0104	0.9791	0.9601	0.0501
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9805	0.0049	0.9805	0.9679	0.0733
anuran-species	0.9806	0.0039	0.9806	0.9729	0.0561
aps-failure	0.7562	0.2438	0.7562	0.0696	0.1801
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7556	0.0376	0.7556	0.6233	0.2798
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.7991	0.0399
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8936	0.0177	0.8936	0.8610	0.2158
balance	0.7581	0.1613	0.7581	0.5935	0.3989
bank	0.7868	0.2132	0.7868	0.2113	0.6817
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.5046	0.4954	0.5046	0.0914	0.8608
basehock	0.9749	0.0251	0.9749	0.9497	0.1579
bio	0.9957	0.0043	0.9957	0.7260	0.2733
biodeg	0.7810	0.2190	0.7810	0.5422	0.7076
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.8542	0.0101	0.8542	0.0807	0.3973
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.5000	0.5000	0.5000	-0.0652	0.9140
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1179
bub10at310k-hg16-17	0.2890	0.7110	0.2890	0.0335	0.3019
bze_3d_rdkit_descriptors	0.8293	0.1707	0.8293	0.3774	0.5910
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.2500	0.8686
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.8404	0.0319	0.8404	0.8080	0.1901
cardiotocography-nsp	0.9014	0.0657	0.9014	0.7324	0.3818
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5890	0.3628
cas_N6512_cdk_ECFP2	0.5730	0.4270	0.5730	0.1815	0.7958
cdc_diabetes	0.4252	0.3832	0.4252	0.0189	0.5142
census10%	0.7934	0.2066	0.7934	0.1207	0.4991
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9419	0.0581	0.9419	0.2712	0.1529
cervical-C	0.7442	0.2558	0.7442	-0.0096	0.4521
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.5000	0.5000	0.5000	0.2000	0.5000
chrom19	0.9993	0.0007	0.9993	0.5721	0.4066
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2174	0.8234
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7537	0.4063
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7070	0.4428
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.6421	0.3579	0.6421	0.1868	0.8908
cirrhosis	0.6429	0.2381	0.6429	0.3269	0.5390
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8000	0.1000	0.8000	0.6935	0.3740
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.4167	0.3889	0.4167	0.0233	0.4363
cm1	0.8000	0.2000	0.8000	-0.1111	0.7317
cmc	0.4898	0.3401	0.4898	0.1920	0.7576
cnae-9	0.7037	0.0658	0.7037	0.6667	0.1817
codon_usage	0.6669	0.0606	0.6669	0.5961	0.3612
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.6897	0.3103	0.6897	0.3040	0.8359
colposcopies-3	0.5862	0.4138	0.5862	0.1031	0.9376
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6207	0.3793	0.6207	0.2350	0.8975
colposcopies-c	0.7586	0.2414	0.7586	0.2281	0.7911
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.7742	0.1505	0.7742	0.6407	0.3672
connect-4	0.9885	0.0077	0.9885	0.7571	0.3666
cottonmeloidogyne	0.5769	0.4231	0.5769	0.1594	0.7468
coupon	0.5907	0.4093	0.5907	0.1874	0.9183
covtype	0.6063	0.1125	0.6063	0.4015	0.4694
covtypeCD	0.9518	0.0482	0.9518	0.8044	0.4140
covtypeT	0.9488	0.0512	0.9488	0.6684	0.5376
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.2069	0.8108
crowdsourced	0.7825	0.0725	0.7825	0.6060	0.5330
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4688	0.0266	0.4688	0.4549	0.0821
cyclopentane	0.6296	0.3704	0.6296	0.2742	0.8595
cylinder-bands	0.5370	0.4630	0.5370	0.1357	0.8387
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7970	0.2030	0.7970	0.3410	0.7455
deposit	0.4950	0.5050	0.4950	0.0975	0.4645
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2889	0.5108
dexter	0.9167	0.0833	0.9167	0.8333	0.2846
dhfr_cdk_ECFP2	0.6184	0.3816	0.6184	0.2653	0.8335
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.1208	0.5861	0.1208	0.0002	0.4331
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5833	0.4167	0.5833	0.0625	0.8922
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.4875	0.5125	0.4875	0.0006	0.9466
dropout	0.3973	0.4018	0.3973	0.1434	0.6721
drug-01	0.3670	0.1809	0.3670	0.0230	0.7122
drug-02	0.3457	0.1869	0.3457	0.0998	0.6235
drug-03	0.4787	0.1489	0.4787	0.1207	0.5797
drug-04	0.1330	0.2477	0.1330	0.0133	0.5038
drug-05	0.3936	0.1733	0.3936	0.0495	0.5927
drug-06	0.1277	0.2492	0.1277	0.0122	0.6474
drug-07	0.3777	0.1778	0.3777	0.0135	0.4869
drug-08	0.2394	0.2173	0.2394	0.0197	0.6726
drug-09	0.7872	0.0608	0.7872	0.0425	0.5769
drug-10	0.2606	0.2112	0.2606	0.0779	0.6223
drug-11	0.7606	0.0684	0.7606	0.0371	0.7268
drug-12	0.7181	0.0805	0.7181	-0.0584	0.5449
drug-13	0.2766	0.2067	0.2766	-0.0992	0.5290
drug-14	0.3351	0.1900	0.3351	0.0739	0.6588
drug-15	0.4787	0.1489	0.4787	0.0957	0.8228
drug-16	0.4149	0.1672	0.4149	0.1047	0.5508
drug-17	0.3032	0.1991	0.3032	0.0616	0.6705
drug-18	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19	0.6809	0.0912	0.6809	-0.0007	0.4783
drybean	0.8530	0.0420	0.8530	0.8231	0.1931
ecoli	0.7941	0.0515	0.7941	0.7115	0.1176
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1415	0.1073	0.1415	0.0533	0.4985
eeg-eye	0.5561	0.4439	0.5561	0.1703	0.6929
EPA_FHM	1.0000	0.0000	1.0000	1.0000	0.0000
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3644	0.7788
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6416	0.6155
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8525	0.1475	0.8525	0.5619	0.5306
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5436	0.6650
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.8548	0.1452	0.8548	0.2520	0.5581
er_tox_rdkit_MACCS	0.9032	0.0968	0.9032	0.4609	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.5902	0.4098	0.5902	0.1858	0.8263
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.5753	0.1699	0.5753	0.4498	0.3518
euthyroid	0.9620	0.0380	0.9620	0.7790	0.3765
exon.vs.intron-freq	0.5334	0.4666	0.5334	0.0165	0.6298
fbis-wc	0.5935	0.0478	0.5935	0.5310	0.2520
fda.atompair_fp	0.5455	0.4545	0.5455	-0.1458	0.9447
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4788	0.2127
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.2314	0.0100	0.2314	0.2035	0.3489
forest	0.8654	0.0673	0.8654	0.8145	0.1929
gas	0.9231	0.0256	0.9231	0.9071	0.1198
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.3761
gender	0.5558	0.2961	0.5558	-0.0388	0.5799
gene	0.9148	0.0568	0.9148	0.8642	0.2257
german	0.5900	0.4100	0.5900	0.0144	0.9516
gina	0.6571	0.3429	0.6571	0.3134	0.8723
glass	0.8095	0.0635	0.8095	0.7316	0.1854
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4286	0.7242
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.7500	0.2500	0.7500	0.4793	0.7542
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4545	0.3526
haberman	0.7667	0.2333	0.7667	0.3787	0.7748
hapt	0.7740	0.0377	0.7740	0.7336	0.1341
har70	0.9370	0.0233	0.9339	0.8749	0.1211
harth10%	0.7035	0.0494	0.7035	0.5987	0.2879
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.4706	0.5294	0.4706	-0.0699	1.0000
heart	0.7778	0.2222	0.7778	0.5120	0.6272
heart-c	0.7667	0.2333	0.7667	0.5333	0.7203
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.4016	0.5984	0.4016	-0.1939	1.0000
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.4610	0.5390	0.4610	-0.0222	0.7219
higher	0.3571	0.1607	0.3571	0.2544	0.2919
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8449	0.1551	0.8449	0.4874	0.6803
hiva	0.9433	0.0567	0.9433	0.1137	0.6245
horse	0.5278	0.3148	0.5278	0.1368	0.6688
htru2	0.8698	0.1302	0.8698	0.3714	0.6543
ht-sensor	0.9574	0.0284	0.9574	0.9356	0.1211
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0898
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.4746	0.5254	0.4746	-0.0740	0.9060
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6598	0.0262	0.6598	0.6462	0.2069
jm1	0.8026	0.1974	0.8026	0.1572	0.7084
jvowels	0.8434	0.0348	0.8434	0.8229	0.2034
kc1	0.6161	0.3839	0.6161	0.1072	0.6797
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.3243	0.8514
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2462	0.1716
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.5385	0.4615	0.5385	0.0560	0.7635
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.7729	0.0252	0.7729	0.7465	0.2588
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7518	0.0870	0.7427	0.6623	0.3748
la2s-wc	0.7791	0.0814	0.7479	0.7006	0.3299
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.7647	0.0118	0.7647	0.7525	0.0444
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.5240	0.0366	0.5240	0.5054	0.3339
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7909	0.0650
linkage10%	1.0000	0.0000	1.0000	0.9877	0.0001
liver	0.5294	0.4706	0.5294	0.2206	0.5254
localization	0.1530	0.1540	0.1530	0.0863	0.6691
lrs	0.7925	0.0415	0.7925	0.7107	0.1703
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7949	0.1808
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.5000	0.2773
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5154	0.4846	0.5154	0.0308	0.9226
magic04	0.7770	0.2230	0.7770	0.5170	0.7229

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6250	0.3750	0.6250	0.2510	0.9019
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6436	0.2376	0.6436	0.4534	0.5728
messidor	0.5391	0.4609	0.5391	0.0240	0.9712
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0742
mfeat-fou	0.7300	0.0540	0.7300	0.7000	0.2434
mfeat-kar	0.6650	0.0670	0.6650	0.6278	0.2463
mfeat-mor	0.7400	0.0520	0.7400	0.7111	0.1976
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0502
mfeat-zer	0.6250	0.0750	0.6250	0.5833	0.3050
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3731	0.4678
mobile	0.5070	0.0176	0.5070	0.4981	0.1834
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.7679	0.2321	0.7679	0.5392	0.6681
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9530	0.0470	0.9530	0.8151	0.3455
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9823
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_3	0.5942	0.4058	0.5942	0.1930	0.8783
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8284
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2469	0.9023
MUT_ci300400a	0.5689	0.4311	0.5689	0.1892	0.8233
MUT_ci300400a_cdk_ECFP2	0.4329	0.5671	0.4329	0.0184	0.6036
myocardial	0.8588	0.0353	0.8588	0.3884	0.2615
naticusdroid	0.9066	0.0934	0.9066	0.8132	0.4129
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.8974	0.0094	0.9026	0.7303	0.2045
newspop	0.4775	0.5225	0.4775	0.0159	0.6017
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9228	0.0772	0.9228	0.8058	0.3803
NPHA-doctor-visits	0.2917	0.4722	0.2917	-0.0724	0.8191
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9820	0.0180	0.9820	0.9501	0.1732
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.5248	0.0950	0.5248	0.4404	0.2989
oh10-wc	0.2476	0.1505	0.2476	0.1956	0.3513
oh15-wc	0.4565	0.1087	0.4565	0.3693	0.3358
oh5-wc	0.4505	0.1099	0.4505	0.3944	0.3216
opn310k	0.9093	0.0907	0.9093	0.0336	0.3115
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0444	0.3103
optdigits	0.9288	0.0142	0.9288	0.9209	0.0963
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.8500	0.0075	0.8500	0.8462	0.0268
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	0.1205	0.6130
ozone8hr	0.9130	0.0870	0.9130	0.1182	0.6281
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9744	0.0102	0.9744	0.8519	0.1723

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	-0.1538	0.9932
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.4200	0.5800	0.4200	0.0463	0.7358
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.8468	0.1532	0.8468	0.1112	0.6399
pcmac	0.4845	0.5155	0.4845	-0.0309	0.9915
pd	0.8684	0.1316	0.8684	0.6721	0.5725
pediatric-leukemia	0.7647	0.0672	0.7647	0.7094	0.1789
pendigits	0.9909	0.0018	0.9909	0.9899	0.0165
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.6649	0.3351	0.6649	0.2671	0.8693
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.8203
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6981	0.5608
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9184	0.0816	0.9184	0.8312	0.3843
phoneme	0.7574	0.2426	0.7574	0.3146	0.7546
phy	0.3876	0.6124	0.3876	-0.2213	1.0000
pima	0.7368	0.2632	0.7368	0.4362	0.7761
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.7638	0.0472	0.7638	0.5779	0.3347
polish-1st	0.9346	0.0654	0.9346	0.2907	0.5972
polish-2nd	0.9213	0.0787	0.9213	0.0705	0.6043
polish-3rd	0.7229	0.2771	0.7229	0.0548	0.3689
polish-4th	0.9357	0.0643	0.9357	0.0624	0.6035
polish-5th	0.9408	0.0592	0.9408	0.4763	0.5493
polya	0.4054	0.5946	0.4054	0.0410	0.6347
popularity	0.0852	0.6098	0.0852	-0.0244	0.5682
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.7967	0.0813	0.7967	0.7465	0.2696
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.9379
primary-tumor	0.3636	0.0579	0.3636	0.2907	0.2505
profb	0.5672	0.4328	0.5672	0.1116	0.9031
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	0.8182	0.1818	0.8182	0.6333	0.6309
puc-rio	0.9605	0.0158	0.9605	0.9471	0.1077
pufs-6410%	0.4993	0.5007	0.4993	-0.0015	0.9961
raisin	0.8333	0.1667	0.8333	0.6667	0.5921
re0-wc	0.6200	0.0585	0.6200	0.4950	0.3900
re1-wc	0.4880	0.0410	0.4880	0.4353	0.2920
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5588	0.4412	0.5588	0.2061	0.6794
RT_IOT2022	0.9890	0.0018	0.9890	0.9725	0.0319
satimage	0.8523	0.0492	0.8523	0.8177	0.2197
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8958	0.1042	0.8958	0.4598	0.6456
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5882	0.4118	0.5882	0.1765	0.9011
secom	0.9038	0.0962	0.9038	0.0685	0.6839
secondary_mushroom	0.9520	0.0480	0.9520	0.9029	0.2600
segment	0.9610	0.0111	0.9610	0.9544	0.0399
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8721	0.1279	0.8721	-0.0683	0.6763
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8237	0.1763	0.8237	0.0802	0.7721
sens-2-gram	0.6184	0.3816	0.6184	0.0755	0.6301
sens-3-gram	0.7947	0.2053	0.7947	-0.0193	0.7950
sens-4-gram	0.8637	0.1426	0.8534	0.1290	0.6355
sensorless	0.9740	0.0047	0.9740	0.9714	0.0353
sepsis	0.5421	0.4579	0.5421	0.0279	0.4605
shoppers	0.8491	0.1509	0.8491	0.3323	0.6974
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9981	0.0019	0.9981	0.9943	0.0186
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.2518	0.2494	0.2518	0.0695	0.6147
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.7500	0.0263	0.7500	0.7211	0.1366
spambase	0.8870	0.1130	0.8870	0.7654	0.4791
spect	0.6296	0.3704	0.6296	0.1346	0.8110
spectf	0.8571	0.1429	0.8571	0.6154	0.5218
spectrometer	0.5094	0.0204	0.5094	0.4786	0.1413
splice-EI	0.9495	0.0505	0.9495	0.8705	0.3309
splice-IE	0.9369	0.0631	0.9369	0.8269	0.3814
sport-articles	0.7700	0.2300	0.7700	0.5094	0.7316
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7026	0.2974	0.7026	0.2041	0.8105
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8185	0.1210	0.8185	0.6974	0.2706
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6256	0.3744	0.6256	0.2683	0.8235
steel-p	0.9077	0.0923	0.9077	0.3502	0.6521
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9846	0.0154	0.9846	0.9183	0.2760
studentap	0.5385	0.3077	0.5385	0.2778	0.5827
student-weekend	0.3692	0.2523	0.3692	0.1486	0.7375
student-workday	0.5312	0.1875	0.5312	-0.0590	0.5653
susy10%	0.6761	0.3239	0.6761	0.3119	0.5760
swarm_aligned	0.9769	0.0000	0.9924	0.9763	0.0000
swarm_flocking	1.0000	0.0004	0.9769	0.9885	0.0048
swarm_grouped	1.0000	0.0000	1.0000	0.9794	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8056	0.1944	0.8056	0.4615	0.7201
texture	0.9364	0.0116	0.9364	0.9298	0.0727
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.1607	0.7805
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9474	0.0526	0.9474	0.8813	0.2857
tis	0.6036	0.3964	0.6036	0.2723	0.6492
titanic	0.3864	0.6136	0.3864	-0.0013	0.7715
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.6471	0.3529	0.6471	0.2273	0.8920
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5600	0.4400	0.5600	0.0614	0.8262
trec11-wc	0.9512	0.0108	0.9512	0.9399	0.0273
trec12-wc	0.9677	0.0081	0.9677	0.9613	0.0213

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8745	0.1174
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.8977	0.0205	0.8977	0.8742	0.0893
trec45-wc	0.9275	0.0145	0.9275	0.9154	0.0540
tuandromd	0.9507	0.0493	0.9507	0.8374	0.2618
turkish	0.8000	0.1000	0.8000	0.7333	0.2712
tvnews	0.4103	0.5897	0.4103	0.0280	0.7035
urban	0.8657	0.0299	0.8657	0.8421	0.1197
vehicle	0.7500	0.1250	0.7500	0.6627	0.2769
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5758	0.0771	0.5758	0.5333	0.2458
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.8783	0.1217	0.8783	0.1614	0.7083
wap-wc	0.2756	0.0724	0.2756	0.2230	0.3818
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8036	0.0561	0.8036	0.7703	0.2109
watch-gyr10%	0.9265	0.0210	0.9265	0.9142	0.0973
waveform	0.7280	0.1813	0.7280	0.5914	0.4869
web-phishing	0.7704	0.1531	0.7704	0.6114	0.5312
weight-lift	0.9763	0.0095	0.9763	0.9701	0.0540
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5849	0.1384	0.5849	0.3467	0.5326
winequality-white	0.3170	0.1951	0.3170	0.0869	0.5452
winnipeg	0.9739	0.0064	0.9739	0.9664	0.0497
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.4662	0.1068	0.4662	0.3049	0.5467
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9392	0.0608	0.9392	0.1527	0.6285
zip	0.6817	0.0637	0.6817	0.6446	0.2829
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 65: Detailed results for MarginBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1703	0.0572	0.1703	0.0829	0.4570
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9834	0.0166	0.9834	0.1810	0.2106
ads	0.9543	0.0457	0.9543	0.7935	0.2899
adult	0.8634	0.1366	0.8634	0.5842	0.5627
AID1284Morered	0.8056	0.1944	0.8056	-0.0862	0.8010
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6486	0.3514	0.6486	0.2304	0.8721
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9968	0.0032	0.9968	0.1617	0.0150
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9941	0.0059	0.9941	0.1017	0.1596
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8308	0.1692	0.8308	0.5119	0.6792
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9471	0.0264	0.9471	0.8966	0.1121
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9458	0.0136	0.9458	0.9087	0.0928
anuran-species	0.9569	0.0086	0.9569	0.9398	0.0624
aps-failure	0.9872	0.0128	0.9872	0.4535	0.0884
arcene	0.9500	0.0500	0.9500	0.8980	0.2404
arrhythmia	0.7778	0.0342	0.7778	0.6570	0.2488
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.8775	0.0108	0.8779	0.8603	0.0215
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.7980	0.1121
avila	0.8232	0.0295	0.8232	0.7583	0.1023
balance	0.8710	0.0860	0.8710	0.7680	0.2853
bank	0.9133	0.0867	0.9133	0.5628	0.5877
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8226	0.1774	0.8226	0.5767	0.4743
basehock	0.9296	0.0704	0.9296	0.8594	0.2887
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9768	0.0008	1.0000	0.4271	0.1876
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.7500	0.2500	0.7500	0.3099	0.7764
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8485	0.0526
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9516	0.1357
card	0.8986	0.1014	0.8986	0.7928	0.4424
cardiotocography	0.8545	0.0291	0.8545	0.8251	0.1729
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8309	0.2739
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5987	0.4634
cas_N6512_cdk_ECFP2	0.5868	0.4132	0.5868	0.1201	0.7423
cdc_diabetes	0.8478	0.1015	0.8478	0.1658	0.3067
census10%	0.9525	0.0475	0.9525	0.4033	0.3678
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9998	0.0002	0.9998	0.8570	0.0702
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6857	0.5682
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5896	0.6206
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3062	0.7515
cirrhosis	0.6905	0.2063	0.6905	0.3710	0.4457
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8241	0.0880	0.8241	0.7280	0.3494
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.6122	0.2585	0.6122	0.3880	0.6304
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0827
codon_usage	0.7698	0.0419	0.7698	0.7156	0.2310
coil20	0.9444	0.0056	0.9444	0.9415	0.0327
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	0.0308	0.9539
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.5517	0.4483	0.5517	0.0827	0.8569
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9846	0.0103	0.9846	0.4783	0.0314
cottonmeloidogyne	0.6490	0.3510	0.6490	0.3018	0.7131
coupon	0.7169	0.2831	0.7169	0.4097	0.7918
covtype	0.7348	0.0758	0.7348	0.5667	0.2897
covtypeCD	0.9801	0.0199	0.9801	0.9136	0.1789
covtypeT	0.9818	0.0182	0.9818	0.8582	0.2805
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8590	0.0470	0.8590	0.6760	0.2654
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2610	0.1232
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8253	0.1747	0.8253	0.3843	0.6326
deposit	0.9007	0.0993	0.9007	0.4525	0.6041
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1795	0.6427
dexter	0.8500	0.1500	0.8500	0.7000	0.5201
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5373	0.3084	0.5373	0.0010	0.3953
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5617	0.4383	0.5617	0.0945	0.8874
dropout	0.7291	0.1806	0.7291	0.5522	0.5087
drug-01	0.3883	0.1748	0.3883	0.0004	0.4128
drug-02	0.4894	0.1459	0.4894	0.0360	0.5096
drug-03	0.6809	0.0912	0.6809	-0.0148	0.2654
drug-04	0.4734	0.1505	0.4734	0.0064	0.6496
drug-05	0.7287	0.0775	0.7287	-0.0064	0.2524
drug-06	0.4096	0.1687	0.4096	0.2417	0.5099
drug-07	0.3936	0.1733	0.3936	-0.0565	0.3396
drug-08	0.5426	0.1307	0.5426	0.0620	0.5314
drug-09	0.8564	0.0410	0.8564	-0.0148	0.2152
drug-10	0.5319	0.1337	0.5319	0.0689	0.4208
drug-11	0.8457	0.0441	0.8457	-0.0065	0.2227
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6277	0.1064	0.6277	0.2753	0.3777
drug-14	0.5851	0.1185	0.5851	0.1862	0.4906
drug-15	0.7447	0.0729	0.7447	0.0397	0.3939
drug-16	0.5851	0.1185	0.5851	0.2830	0.4454
drug-17	0.3883	0.1748	0.3883	0.1450	0.4548
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0007	0.2412
drybean	0.9280	0.0206	0.9280	0.9129	0.1235
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3098	0.0863	0.3098	0.2183	0.4882
eeg-eye	0.5975	0.4025	0.5975	0.1160	0.5899
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.1574	0.8532
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.3750	0.6605
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.3754	0.5647
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6105	0.5504
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9344	0.0656	0.9344	0.8473	0.3653
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.7534	0.0986	0.7534	0.6809	0.2932
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9244	0.0756	0.9244	0.8481	0.3549
fbis-wc	0.7480	0.0297	0.7480	0.7107	0.1845
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6753	0.1527
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4815	0.0067	0.4893	0.4517	0.2846
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9684	0.0105	0.9684	0.9616	0.0716
gastrointestinal	0.9375	0.0417	0.9375	0.9018	0.1379
gender	0.5874	0.2751	0.5874	0.0079	0.4234
gene	0.9369	0.0421	0.9369	0.8986	0.1899
german	0.6900	0.3100	0.6900	0.2092	0.7730
gina	0.8357	0.1643	0.8357	0.6701	0.5499
glass	0.7619	0.0794	0.7619	0.6749	0.2402
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.5370
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9103	0.0149	0.9103	0.8940	0.1101
har70	0.8805	0.0341	0.8805	0.8277	0.1346
harth10%	0.8585	0.0236	0.8585	0.8060	0.1488
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7977	0.2023	0.7977	0.5948	0.5926
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5519	0.4481	0.5519	0.0514	0.5881
higher	0.2857	0.1786	0.2857	0.1250	0.3012
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8803	0.1197	0.8803	0.5382	0.5981
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6667	0.2222	0.6667	0.3820	0.5244
htru2	0.9777	0.0223	0.9777	0.8604	0.2474
ht-sensor	0.6802	0.2132	0.6802	0.5295	0.3552
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6949	0.3051	0.6949	0.0148	0.7591
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8408	0.0122	0.8408	0.8345	0.1328
jm1	0.8090	0.1910	0.8090	0.0606	0.4922
fvowels	0.9207	0.0176	0.9207	0.9101	0.1262
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5604	0.0350	0.5672	0.2479	0.2161
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.1929	0.8287
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8663	0.0149	0.8663	0.8507	0.1659
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7143	0.0952	0.7143	0.6248	0.3031
la2s-wc	0.7219	0.0927	0.7219	0.6338	0.3075
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5996	0.0728
led24	0.7000	0.0600	0.7000	0.6610	0.1254
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9175	0.0063	0.9175	0.9142	0.0949
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8207	0.0736
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6471	0.3529	0.6471	0.1092	0.9052
localization	0.5568	0.0806	0.5568	0.3949	0.3803
lrs	0.7925	0.0415	0.7925	0.7095	0.1357
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5266	0.2752
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0368
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.5192	0.4808	0.5192	0.0385	0.9714
magic04	0.8022	0.1978	0.8022	0.5145	0.5322

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6995	0.3954
messidor	0.6174	0.3826	0.6174	0.2719	0.7845
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0703
mfeat-fou	0.7950	0.0410	0.7950	0.7722	0.1652
mfeat-kar	0.9350	0.0130	0.9350	0.9278	0.0770
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.1962
mfeat-pix	0.9250	0.0150	0.9250	0.9167	0.0946
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2401
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4826	0.4510
mobile	0.8566	0.0051	0.8566	0.8540	0.0652
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8848	0.1152	0.8848	0.3665	0.2532
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.7776
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4719	0.7701
MUT_ci300400a	0.6165	0.3835	0.6165	0.1177	0.5922
MUT_ci300400a_cdk_ECFP2	0.6139	0.3861	0.6139	0.0911	0.5914
myocardial	0.8824	0.0294	0.8824	0.4020	0.0937
naticusdroid	0.9478	0.0522	0.9478	0.8957	0.2586
nci9	0.3333	0.1481	0.3333	0.2258	0.1741
ncRNA10%	0.9121	0.0093	0.9121	0.7388	0.1847
newspop	0.5341	0.4659	0.5341	0.0044	0.5451
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9463	0.0537	0.9463	0.8689	0.3178
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0981	0.7025
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.0984
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0325
oh0-wc	0.8713	0.0257	0.8713	0.8521	0.1154
oh10-wc	0.7238	0.0552	0.7238	0.6826	0.2298
oh15-wc	0.7826	0.0435	0.7826	0.7507	0.2023
oh5-wc	0.7033	0.0593	0.7033	0.6631	0.2269
opn310k	0.9110	0.0890	0.9110	0.0408	0.2244
opnat310k-hg16-17	0.9108	0.0892	0.9108	0.0437	0.2447
optdigits	0.9431	0.0114	0.9431	0.9367	0.0829
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6000	0.0200	0.6000	0.5897	0.0723
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9249	0.0751	0.9249	0.2116	0.5304
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9799	0.0080	0.9799	0.8858	0.1650

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8715	0.1285	0.8715	0.6763	0.5532
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5567	0.4433	0.5567	-0.0385	0.8134
pd	0.8421	0.1579	0.8421	0.5102	0.5563
pediatric-leukemia	0.7647	0.0672	0.7647	0.7085	0.2000
pendigits	0.9763	0.0047	0.9763	0.9737	0.0389
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6424	0.5765
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7149	0.5330
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9592	0.0408	0.9592	0.9140	0.2301
phoneme	0.8222	0.1778	0.8222	0.6045	0.6202
phy	0.6344	0.3656	0.6344	0.2667	0.7778
pima	0.7105	0.2895	0.7105	0.3569	0.7863
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7779	0.0444	0.7779	0.5835	0.1681
polish-1st	0.9616	0.0384	0.9616	0.0640	0.2756
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9571	0.0429	0.9571	0.4282	0.4237
polish-5th	0.9526	0.0474	0.9526	0.4968	0.2932
polya	0.6465	0.3535	0.6465	0.0222	0.5512
popularity	0.6310	0.2460	0.6310	0.0018	0.3224
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8739	0.0504	0.8739	0.8424	0.1797
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.8920
primary-tumor	0.4274	0.0520	0.4165	0.3468	0.2287
profb	0.7313	0.2687	0.7313	0.2519	0.5952
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9324	0.0270	0.9324	0.9088	0.1171
pufs-6410%	0.4978	0.5022	0.4978	-0.0045	1.0000
raisin	0.8667	0.1333	0.8667	0.7333	0.5084
re0-wc	0.7267	0.0421	0.7267	0.6275	0.2788
re1-wc	0.7831	0.0173	0.7831	0.7504	0.1466
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.5936	0.4064	0.5936	0.0068	0.5526
RT_IOT2022	0.9981	0.0003	0.9981	0.9951	0.0044
satimage	0.8678	0.0441	0.8678	0.8367	0.2013
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4412	0.5588	0.4412	-0.1176	0.9915
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6404	0.3596	0.6404	0.3253	0.5407
segment	0.9567	0.0124	0.9567	0.9494	0.0512
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8737	0.1263	0.8737	0.0934	0.3668
sens-3-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9622	0.0069	0.9622	0.9584	0.0429
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8921	0.1079	0.8921	0.5525	0.5844
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9814	0.0186	0.9814	0.8276	0.0656
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9913	0.0087	0.9913	0.9741	0.1146
smk_can_187	0.5263	0.4737	0.5263	0.0656	0.9580
solar-flare	0.7698	0.0767	0.7698	0.7041	0.1739
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9412	0.0062	0.9412	0.9354	0.0353
spambase	0.9174	0.0826	0.9174	0.8236	0.3483
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5994	0.0164	0.6034	0.5682	0.0936
splice-EI	0.9842	0.0158	0.9842	0.9584	0.1404
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.8300	0.1700	0.8300	0.6291	0.6155
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8051	0.1949	0.8051	0.1109	0.3500
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8933	0.0712	0.8933	0.8268	0.2426
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6974	0.3026	0.6974	0.2129	0.7235
steel-p	0.9282	0.0718	0.9282	0.4253	0.5579
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8834	0.2660
studentap	0.6154	0.2564	0.6154	0.3868	0.4512
student-weekend	0.4000	0.2400	0.4000	0.1470	0.6161
student-workday	0.6719	0.1313	0.6719	0.0634	0.4508
susy10%	0.7573	0.2427	0.7573	0.5057	0.7291
swarm_aligned	1.0000	0.0000	0.9904	0.9910	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0047
swarm_grouped	1.0000	0.0000	0.9801	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9527	0.0086	0.9527	0.9479	0.0638
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8714	0.1286	0.8714	0.6409	0.5653
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1387
tox_171	0.7059	0.1471	0.7059	0.6083	0.2070
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7333	0.2667	0.7333	0.1749	0.8373
trec11-wc	0.8049	0.0434	0.8049	0.7528	0.1257
trec12-wc	0.8387	0.0403	0.8387	0.8067	0.1133

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.8571	0.0476	0.8571	0.7981	0.1602
trec31-wc	0.9462	0.0154	0.9462	0.9290	0.0607
trec41-wc	0.9432	0.0114	0.9432	0.9304	0.0572
trec45-wc	0.8696	0.0261	0.8696	0.8482	0.0987
tuandromd	0.9888	0.0112	0.9888	0.9653	0.1219
turkish	0.8500	0.0750	0.8500	0.8000	0.2035
tvnews	0.7568	0.2432	0.7568	0.4100	0.6155
urban	0.8209	0.0398	0.8209	0.7890	0.1465
vehicle	0.8095	0.0952	0.8095	0.7418	0.2425
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5253	0.0863	0.5253	0.4778	0.2824
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.7885	0.0212	0.7885	0.7608	0.1335
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9468	0.0229
watch-acc10%	0.8945	0.0301	0.8945	0.8766	0.0651
watch-gyr10%	0.8880	0.0320	0.8880	0.8691	0.0739
waveform	0.7760	0.1493	0.7760	0.6644	0.4429
web-phishing	0.8815	0.0790	0.8815	0.7919	0.3618
weight-lift	0.8013	0.0795	0.8013	0.7438	0.2327
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6289	0.1237	0.6289	0.3857	0.3252
winequality-white	0.4703	0.1513	0.4703	0.0900	0.4634
winnipeg	0.9742	0.0062	0.9868	0.9555	0.0498
yale	0.6875	0.0417	0.6875	0.6639	0.0681
yeast	0.5338	0.0932	0.5338	0.4022	0.3568
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9011	0.0198	0.9011	0.8891	0.1407
zoo	0.9000	0.0286	0.9000	0.8701	0.0000



Table 66: Detailed results for MarginBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1175	0.0609	0.1175	0.0379	0.5037
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9837	0.0163	0.9837	0.1843	0.1498
ads	0.9573	0.0427	0.9573	0.8091	0.2813
adult	0.8636	0.1364	0.8636	0.5847	0.5617
AID1284Morered	0.8333	0.1667	0.8333	-0.0485	0.7128
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6486	0.3514	0.6486	0.2304	0.8721
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9968	0.0032	0.9968	0.1617	0.0150
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9941	0.0059	0.9941	0.1017	0.1596
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9694	0.0153	0.9694	0.9416	0.0870
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9611	0.0097	0.9611	0.9350	0.0826
anuran-species	0.9681	0.0064	0.9681	0.9555	0.0663
aps-failure	0.9871	0.0129	0.9871	0.4448	0.0890
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7333	0.0410	0.7333	0.5670	0.2531
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8693	0.0110	0.8800	0.8565	0.0218
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.8146	0.0309	0.8146	0.7479	0.1176
balance	0.8710	0.0860	0.8710	0.7631	0.3122
bank	0.9143	0.0857	0.9143	0.5610	0.5830
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8226	0.1774	0.8226	0.5767	0.4743
basehock	0.9447	0.0553	0.9447	0.8895	0.2509
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8762	0.1238	0.8762	0.7388	0.5111
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9709	0.0008	0.9945	0.4272	0.1834
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.8214	0.1786	0.8214	0.5455	0.6636
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9101	0.0899	0.9101	0.0290	0.2460
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9828	0.0086	0.9828	0.9634	0.0626
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8451	0.0310	0.8451	0.8135	0.1765
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8166	0.2728
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.6066	0.4925
cas_N6512_cdk_ECFP2	0.5853	0.4147	0.5853	0.1148	0.7163
cdc_diabetes	0.8482	0.1012	0.8482	0.1656	0.3035
census10%	0.9502	0.0498	0.9502	0.3762	0.4085
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.8570	0.0702
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6857	0.5682
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2592	0.6965
cirrhosis	0.6667	0.2222	0.6667	0.3163	0.4597
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8343	0.0829	0.8343	0.7394	0.3264
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5646	0.2902	0.5646	0.3238	0.6724
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0761
codon_usage	0.7536	0.0448	0.7536	0.6977	0.3148
coil20	0.9444	0.0056	0.9444	0.9415	0.0334
collins	0.7400	0.0347	0.7400	0.7123	0.1363
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.0684	0.9797
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.5517	0.4483	0.5517	0.0645	0.9701
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.7931	0.2069	0.7931	0.4852	0.7092
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9839	0.0108	0.9839	0.4661	0.1078
cottonmeloidogyne	0.6466	0.3534	0.6466	0.2966	0.7568
coupon	0.7074	0.2926	0.7074	0.3941	0.8115
covtype	0.7334	0.0762	0.7334	0.5619	0.2921
covtypeCD	0.9796	0.0204	0.9796	0.9113	0.1806
covtypeT	0.9818	0.0182	0.9818	0.8587	0.2840
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8829	0.0390	0.8829	0.7389	0.2556
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2188	0.0391	0.2188	0.1960	0.1415
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8243	0.1757	0.8243	0.3820	0.6378
deposit	0.9000	0.1000	0.9000	0.4524	0.6082
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8167	0.1833	0.8167	0.6333	0.5674
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5393	0.3071	0.5393	0.0036	0.3779
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5617	0.4383	0.5617	0.0946	0.8879
dropout	0.7336	0.1776	0.7336	0.5329	0.4502
drug-01	0.3936	0.1733	0.3936	0.0218	0.4337
drug-02	0.5106	0.1398	0.5106	0.0335	0.3829
drug-03	0.6755	0.0927	0.6755	-0.0118	0.3195
drug-04	0.5266	0.1353	0.5266	0.0735	0.5007
drug-05	0.7287	0.0775	0.7287	0.0060	0.2326
drug-06	0.4096	0.1687	0.4096	0.2386	0.4868
drug-07	0.3883	0.1748	0.3883	-0.0618	0.3821
drug-08	0.5479	0.1292	0.5479	0.0882	0.5396
drug-09	0.8511	0.0426	0.8511	-0.0204	0.3205
drug-10	0.5479	0.1292	0.5479	0.0642	0.4162
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7819	0.0623	0.7819	-0.0137	0.2547
drug-13	0.6064	0.1125	0.6064	0.2017	0.3541
drug-14	0.6011	0.1140	0.6011	0.2559	0.5893
drug-15	0.7553	0.0699	0.7553	0.0791	0.3621
drug-16	0.5745	0.1216	0.5745	0.2687	0.3881
drug-17	0.3883	0.1748	0.3883	0.1416	0.4777
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	0.0097	0.2827
drybean	0.9280	0.0206	0.9280	0.9128	0.1169
ecoli	0.7941	0.0515	0.7941	0.7080	0.1364
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2736	0.0908	0.2736	0.1708	0.5579
eeg-eye	0.5988	0.4012	0.5988	0.1187	0.5770
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.1574	0.8532
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.3902	0.7087
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7397	0.1041	0.7397	0.6614	0.2546
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9245	0.0755	0.9245	0.8483	0.3546
fbis-wc	0.7967	0.0239	0.7967	0.7683	0.1637
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4500	0.1375	0.4500	0.2994	0.2340
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4926	0.0067	0.4967	0.4430	0.2839
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9641	0.0120	0.9641	0.9564	0.0666
gastrointestinal	0.8125	0.1250	0.8125	0.6981	0.2631
gender	0.5874	0.2751	0.5874	0.0040	0.3656
gene	0.9527	0.0315	0.9527	0.9243	0.1425
german	0.6800	0.3200	0.6800	0.1645	0.7536
gina	0.8444	0.1556	0.8444	0.6876	0.5366
glass	0.7619	0.0794	0.7619	0.6729	0.2489
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.5189
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.7905	0.0349	0.7905	0.7512	0.1697
har70	0.9119	0.0226	0.8984	0.8596	0.1167
harth10%	0.8480	0.0253	0.8480	0.7912	0.1868
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7971	0.2029	0.7971	0.5935	0.5928
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5521	0.4479	0.5521	0.0520	0.5887
higher	0.2143	0.1964	0.2143	0.0610	0.3162
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8820	0.1180	0.8820	0.5505	0.5969
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.6667	0.2222	0.6667	0.3975	0.5526
htru2	0.9793	0.0207	0.9793	0.8705	0.2253
ht-sensor	0.7481	0.1679	0.7481	0.6247	0.4195
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5456	0.0350	0.5456	0.5274	0.3295
jm1	0.8099	0.1901	0.8099	0.0677	0.4909
jvowels	0.8875	0.0250	0.8875	0.8725	0.1514
kc1	0.8673	0.1327	0.8673	0.3097	0.5233
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5591	0.0358	0.5609	0.2549	0.2131
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2956	0.7699
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8827	0.0130	0.8827	0.8690	0.1488
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7556	0.0815	0.7556	0.6806	0.2519
la2s-wc	0.7715	0.0762	0.7715	0.7019	0.2493
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5397	0.0813
led24	0.7000	0.0600	0.7000	0.6610	0.1237
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9250	0.0058	0.9250	0.9220	0.0849
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6389	0.0481	0.6389	0.6129	0.1645
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	0.0090	0.9328
localization	0.5146	0.0883	0.5146	0.3227	0.3913
lrs	0.7170	0.0566	0.7170	0.6257	0.2184
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.4846	0.5154	0.4846	-0.0308	1.0000
magic04	0.8080	0.1920	0.8080	0.5310	0.5282

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6990	0.3961
messidor	0.6348	0.3652	0.6348	0.2990	0.7946
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9100	0.0180	0.9100	0.9000	0.0985
mfeat-fou	0.6950	0.0610	0.6950	0.6611	0.2593
mfeat-kar	0.8000	0.0400	0.8000	0.7778	0.2134
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.1934
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0500
mfeat-zer	0.7400	0.0520	0.7400	0.7111	0.1996
mice-prot	0.8704	0.0324	0.8704	0.8516	0.1406
mines	0.5588	0.1765	0.5588	0.4450	0.4611
mobile	0.6923	0.0110	0.6923	0.6867	0.1352
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8894	0.1106	0.8894	0.4018	0.2472
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.7683
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.5008	0.7391
MUT_ci300400a	0.6153	0.3847	0.6153	0.1182	0.6419
MUT_ci300400a_cdk_ECFP2	0.6091	0.3909	0.6091	0.0807	0.6246
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9482	0.0518	0.9482	0.8963	0.2575
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.9167	0.0088	0.9167	0.7580	0.2668
newspop	0.5323	0.4677	0.5323	0.0004	0.5491
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9466	0.0534	0.9466	0.8697	0.3173
NPHA-doctor-visits	0.5000	0.3333	0.5000	0.0805	0.7047
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.0984
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9109	0.0178	0.9109	0.8980	0.0889
oh10-wc	0.7524	0.0495	0.7524	0.7171	0.2382
oh15-wc	0.8261	0.0348	0.8261	0.8027	0.1599
oh5-wc	0.8352	0.0330	0.8352	0.8145	0.1692
opn310k	0.9110	0.0890	0.9110	0.0408	0.2244
opnat310k-hg16-17	0.9109	0.0891	0.9109	0.0471	0.2505
optdigits	0.9413	0.0117	0.9413	0.9347	0.0770
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.7250	0.0138	0.7250	0.7179	0.0499
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.2116	0.5304
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9744	0.0102	0.9744	0.8533	0.3241

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8729	0.1271	0.8729	0.6801	0.5499
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.5773	0.4227	0.5773	0.0138	0.7818
pd	0.8553	0.1447	0.8553	0.5600	0.5340
pediatric-leukemia	0.8235	0.0504	0.8235	0.7830	0.1421
pendigits	0.9773	0.0046	0.9773	0.9747	0.0390
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8351	0.1649	0.8351	0.6157	0.5948
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6993	0.5476
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.8296	0.1704	0.8296	0.6249	0.5937
phy	0.6320	0.3680	0.6320	0.2619	0.7821
pima	0.7237	0.2763	0.7237	0.3899	0.7718
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7699	0.0435	0.7889	0.5979	0.1757
polish-1st	0.9630	0.0370	0.9630	0.1266	0.2686
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9561	0.0439	0.9561	0.4216	0.4463
polish-5th	0.9526	0.0474	0.9526	0.4968	0.2932
polya	0.6476	0.3524	0.6476	0.0276	0.5639
popularity	0.6315	0.2456	0.6315	0.0023	0.3139
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8370	0.0652	0.8370	0.7958	0.2014
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.8920
primary-tumor	0.4280	0.0527	0.4185	0.3492	0.2320
profb	0.6866	0.3134	0.6866	0.1145	0.7209
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9333	0.0267	0.9333	0.9098	0.1102
pufs-6410%	0.4960	0.5040	0.4960	-0.0080	1.0000
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.7200	0.0431	0.7200	0.6127	0.2714
re1-wc	0.8072	0.0154	0.8072	0.7814	0.1774
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5936	0.4064	0.5936	0.0068	0.5526
RT_IOT2022	0.9983	0.0003	0.9983	0.9957	0.0054
satimage	0.8756	0.0415	0.8756	0.8461	0.1933
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.5263	0.5283
schizo	0.4706	0.5294	0.4706	-0.0588	0.9811
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6404	0.3596	0.6404	0.3253	0.5407
segment	0.9654	0.0099	0.9654	0.9595	0.0465
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8737	0.1263	0.8737	0.1180	0.4289
sens-3-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9703	0.0054	0.9703	0.9673	0.0379
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8905	0.1095	0.8905	0.5541	0.5947
shuttle	0.9998	0.0000	0.9998	0.9995	0.0003
sick	0.9814	0.0186	0.9814	0.8276	0.0656
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9914	0.0086	0.9914	0.9742	0.1142
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.7554	0.0815	0.7554	0.6868	0.2348
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9265	0.0077	0.9265	0.9192	0.0408
spambase	0.9196	0.0804	0.9196	0.8284	0.3433
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6071	0.0166	0.6120	0.5845	0.0947
splice-EI	0.9811	0.0189	0.9811	0.9498	0.1538
splice-IE	0.9495	0.0505	0.9495	0.8615	0.3301
sport-articles	0.8000	0.2000	0.8000	0.5710	0.6803
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8051	0.1949	0.8051	0.1109	0.3500
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8918	0.0721	0.8918	0.8249	0.2494
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6974	0.3026	0.6974	0.2065	0.7035
steel-p	0.9179	0.0821	0.9179	0.3432	0.6100
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.6154	0.2564	0.6154	0.3981	0.5416
student-weekend	0.4154	0.2338	0.4154	0.1664	0.5620
student-workday	0.7031	0.1187	0.7031	0.0850	0.3350
susy10%	0.7566	0.2434	0.7566	0.5043	0.7303
swarm_aligned	0.9754	0.0000	0.9885	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9750	1.0000	0.0048
swarm_grouped	0.9869	0.0000	0.9881	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9691	0.0056	0.9691	0.9659	0.0424
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8714	0.1286	0.8714	0.6409	0.5653
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8426	0.1448
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	0.0924	0.8701
trec11-wc	0.9024	0.0217	0.9024	0.8806	0.0900
trec12-wc	0.9032	0.0242	0.9032	0.8843	0.0700

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6482	0.1871
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0188
tuandromd	0.9888	0.0112	0.9888	0.9653	0.1219
turkish	0.7500	0.1250	0.7500	0.6667	0.2740
tvnews	0.7563	0.2437	0.7563	0.4093	0.6204
urban	0.8060	0.0431	0.8060	0.7728	0.1680
vehicle	0.7500	0.1250	0.7500	0.6641	0.2355
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5657	0.0790	0.5657	0.5222	0.2409
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.7692	0.0231	0.7692	0.7417	0.1748
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0933
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0371
watch-acc10%	0.9185	0.0233	0.9185	0.9047	0.0765
watch-gyr10%	0.9082	0.0262	0.9082	0.8928	0.0759
waveform	0.7600	0.1600	0.7600	0.6402	0.4576
web-phishing	0.8593	0.0938	0.8593	0.7496	0.3897
weight-lift	0.6257	0.1497	0.6257	0.5286	0.3629
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9876	0.0124	0.9876	0.8735	0.3108
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6541	0.1153	0.6541	0.4386	0.4274
winequality-white	0.5194	0.1373	0.5194	0.2169	0.4511
winnipeg	0.9865	0.0063	0.9871	0.9893	0.0486
yale	0.5000	0.0667	0.5000	0.4667	0.1244
yeast	0.5270	0.0946	0.5270	0.3911	0.3747
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.8118	0.0376	0.8118	0.7894	0.2271
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 67: Detailed results for OVO

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1703	0.0572	0.1703	0.0802	0.4540
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.8904	0.1096	0.8904	0.2808	0.5905
accelerometer	0.9822	0.0178	0.9822	0.2130	0.4039
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8604	0.1396	0.8604	0.5778	0.5778
AID1284Morered	0.8056	0.1944	0.8056	-0.0862	0.8010
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8889	0.1111	0.8889	0.0745	0.6933
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.8000	0.2000	0.8000	0.0801	0.7395
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9920	0.0080	0.9920	-0.0038	0.4379
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9375	0.0625	0.9375	-0.0286	0.6474
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8687	0.0875	0.8687	0.0987	0.3574
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9458	0.0271	0.9458	0.8943	0.1213
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9360	0.0160	0.9360	0.8923	0.1540
anuran-species	0.9528	0.0094	0.9528	0.9340	0.0695
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7111	0.0444	0.7111	0.5386	0.2588
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7297	0.1443
avila	0.7911	0.0348	0.7911	0.7117	0.1381
balance	0.7581	0.1613	0.7581	0.5796	0.5402
bank	0.9094	0.0906	0.9094	0.5709	0.5994
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9960	0.0040	0.9960	0.7296	0.1765
biodeg	0.8190	0.1810	0.8190	0.6323	0.6097
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9860	0.0010	0.9860	0.3220	0.4187
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.6071	0.3929	0.6071	0.1895	0.8342
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.9091	0.0303	0.9091	0.8866	0.0381
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9655	0.0172	0.9655	0.9270	0.1159
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8310	0.0338	0.8310	0.7970	0.1975
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8085	0.3162
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6360	0.4168
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0557	0.5953
cdc_diabetes	0.8434	0.1044	0.8434	0.1829	0.3570
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9419	0.0581	0.9419	0.5841	0.5676
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8304	0.2170
ci100410h_MACCS	0.7188	0.2812	0.7188	0.1325	0.8517
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.4934	0.6985
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6029	0.6519
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2567	0.7938
cirrhosis	0.6429	0.2381	0.6429	0.2984	0.6308
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7556	0.1222	0.7556	0.6310	0.4697
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.5782	0.2812	0.5782	0.3300	0.6676
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0827
codon_usage	0.7559	0.0444	0.7559	0.6983	0.2655
coil20	0.9514	0.0049	0.9514	0.9488	0.0287
collins	0.9600	0.0053	0.9600	0.9561	0.0267
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.7419	0.1720	0.7419	0.5860	0.3017
connect-4	0.9813	0.0124	0.9813	0.4852	0.4055
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3732	0.8280
covtype	0.7308	0.0769	0.7308	0.5604	0.3031
covtypeCD	0.9761	0.0239	0.9761	0.8980	0.2356
covtypeT	0.9774	0.0226	0.9774	0.8252	0.3341
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8350	0.0550	0.8350	0.6208	0.2665
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2610	0.1243
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8257	0.1743	0.8257	0.3867	0.6332
deposit	0.8969	0.1031	0.8969	0.4354	0.6194
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5363	0.3091	0.5363	-0.0023	0.3903
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5539	0.4461	0.5539	0.0772	0.8886
dropout	0.6998	0.2001	0.6998	0.5140	0.5095
drug-01	0.4043	0.1702	0.4043	0.0303	0.3970
drug-02	0.4840	0.1474	0.4840	0.0659	0.6252
drug-03	0.6596	0.0973	0.6596	-0.0313	0.4275
drug-04	0.4521	0.1565	0.4521	0.0757	0.6669
drug-05	0.7074	0.0836	0.7074	-0.0353	0.3673
drug-06	0.3936	0.1733	0.3936	0.2220	0.5344
drug-07	0.4043	0.1702	0.4043	-0.0328	0.3679
drug-08	0.5319	0.1337	0.5319	0.0693	0.5943
drug-09	0.8564	0.0410	0.8564	0.0430	0.2265
drug-10	0.5106	0.1398	0.5106	0.0334	0.5888
drug-11	0.7979	0.0578	0.7979	0.0162	0.8911
drug-12	0.7713	0.0654	0.7713	0.0111	0.4485
drug-13	0.5851	0.1185	0.5851	0.2013	0.4188
drug-14	0.5691	0.1231	0.5691	0.1472	0.5731
drug-15	0.7287	0.0775	0.7287	0.1030	0.5134
drug-16	0.5479	0.1292	0.5479	0.2280	0.5288
drug-17	0.3777	0.1778	0.3777	0.1260	0.5051
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	-0.0191	0.3542
drybean	0.9155	0.0241	0.9155	0.8978	0.1389
ecoli	0.8235	0.0441	0.8235	0.7536	0.1299
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2986	0.0877	0.2986	0.2045	0.4783
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.2802	0.5153
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6690	0.5584
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5734	0.6660
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.5890	0.1644	0.5890	0.4609	0.3501
euthyroid	0.9525	0.0475	0.9525	0.7110	0.4096
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8314	0.3848
fbis-wc	0.7236	0.0325	0.7236	0.6828	0.2131
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6117	0.1611
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.6052	0.0052	0.6052	0.5833	0.2847
forest	0.9038	0.0481	0.9038	0.8680	0.1634
gas	0.9605	0.0132	0.9605	0.9521	0.0881
gastrointestinal	0.7500	0.1667	0.7500	0.6098	0.3136
gender	0.5874	0.2751	0.5874	0.0105	0.4250
gene	0.9211	0.0526	0.9211	0.8726	0.2250
german	0.6200	0.3800	0.6200	-0.0243	0.8374
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.7619	0.0794	0.7619	0.6749	0.2402
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2857	0.5097
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8920	0.0180	0.8920	0.8724	0.1012
har70	0.8782	0.0348	0.8782	0.8246	0.1423
harth10%	0.8562	0.0240	0.8562	0.8029	0.1520
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5761
hERG-121inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.1429	0.2143	0.1429	-0.0120	0.4220
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8668	0.1332	0.8668	0.5230	0.6468
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.5556	0.2963	0.5556	0.1910	0.6975
htru2	0.9771	0.0229	0.9771	0.8573	0.2568
ht-sensor	0.6782	0.2145	0.6782	0.5266	0.3555
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0898
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8113	0.0145	0.8113	0.8037	0.1511
jm1	0.8026	0.1974	0.8026	0.0316	0.5512
fvowels	0.8906	0.0243	0.8906	0.8760	0.1667
kc1	0.8531	0.1469	0.8531	0.2954	0.6557
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2708	0.1688
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8053	0.0216	0.8053	0.7828	0.2273
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.6571	0.1143	0.6571	0.5452	0.3169
la2s-wc	0.7563	0.0813	0.7438	0.7027	0.3227
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6314	0.0565
led24	0.5500	0.0900	0.5500	0.4972	0.2247
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9105	0.0069	0.9105	0.9069	0.1016
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7910	0.0884
linkage10%	0.9858	0.0000	1.0000	0.9766	0.0001
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5530	0.0813	0.5530	0.3900	0.3887
lrs	0.8302	0.0340	0.8302	0.7619	0.1097
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.8095	0.0762	0.8095	0.5962	0.2647
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5604	0.2525
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5200	0.1717
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7801	0.2199	0.7801	0.4492	0.5414

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5806	0.6792
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5465	0.5149
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0853
mfeat-fou	0.7550	0.0490	0.7550	0.7278	0.2123
mfeat-kar	0.8950	0.0210	0.8950	0.8833	0.1280
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2067
mfeat-pix	0.8950	0.0210	0.8950	0.8833	0.1281
mfeat-zer	0.6850	0.0630	0.6850	0.6500	0.2824
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3391	0.4947
mobile	0.8217	0.0064	0.8217	0.8184	0.0814
monks-1	0.7091	0.2909	0.7091	0.4195	0.7967
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8529	0.0368	0.8529	0.3195	0.4072
naticusdroid	0.9465	0.0535	0.9465	0.8929	0.2634
nci9	0.1667	0.1852	0.1667	0.0625	0.1899
ncRNA10%	0.9272	0.0094	0.9040	0.7170	0.2029
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9277	0.0723	0.9277	0.8266	0.3938
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0151	0.7223
nursery	0.9931	0.0028	0.9931	0.9898	0.0263
obs	0.8981	0.0509	0.8981	0.8530	0.1194
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9728	0.0350
oh0-wc	0.7723	0.0455	0.7723	0.7372	0.1947
oh10-wc	0.6667	0.0667	0.6667	0.6158	0.2694
oh15-wc	0.7283	0.0543	0.7283	0.6896	0.2553
oh5-wc	0.6264	0.0747	0.6264	0.5758	0.3051
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9164	0.0167	0.9164	0.9070	0.1147
optdigitsZ	0.9893	0.0107	0.9893	0.9329	0.1458
orl	0.6500	0.0175	0.6500	0.6410	0.0631
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9289	0.0711	0.9289	-0.0369	0.6062
ozone8hr	0.8933	0.1067	0.8933	0.0753	0.6985
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9744	0.0102	0.9744	0.8534	0.1936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7368	0.2632	0.7368	0.3624	0.7894
particle	0.8695	0.1305	0.8695	0.6768	0.5632
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.8829	0.1171	0.8829	0.0708	0.6940
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.6176	0.1092	0.6176	0.5323	0.3291
pendigits	0.9654	0.0069	0.9654	0.9616	0.0543
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9714	0.0286	0.9714	0.9402	0.1829
phoneme	0.7852	0.2148	0.7852	0.5494	0.6193
phy	0.6276	0.3724	0.6276	0.2530	0.7837
pima	0.6447	0.3553	0.6447	0.1752	0.8270
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6616	0.0677	0.6616	0.3650	0.2860
polish-1st	0.9545	0.0455	0.9545	0.0937	0.5648
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9486	0.0514	0.9486	0.0855	0.4869
polish-4th	0.9520	0.0480	0.9520	0.4104	0.5237
polish-5th	0.9543	0.0457	0.9543	0.5496	0.3677
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6318	0.2455	0.6318	0.0047	0.3219
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8729	0.0509	0.8729	0.8411	0.1833
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3939	0.0551	0.3939	0.3286	0.2490
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9228	0.0309	0.9228	0.8958	0.1317
pufs-6410%	0.4995	0.5005	0.4995	-0.0010	0.9999
raisin	0.8444	0.1556	0.8444	0.6889	0.5491
re0-wc	0.7067	0.0451	0.7067	0.6006	0.3037
re1-wc	0.7711	0.0183	0.7711	0.7380	0.1948
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9499	0.0383
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0044
satimage	0.8585	0.0472	0.8585	0.8254	0.2140
satimageF	0.9813	0.0187	0.9813	0.9062	0.2602
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9567	0.0124	0.9567	0.9494	0.0530
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8752	0.1370	0.8616	0.1302	0.6572
sensorless	0.9547	0.0082	0.9547	0.9502	0.0467
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4397	0.5578
shuttle	0.9995	0.0001	0.9995	0.9985	0.0468
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9910	0.0090	0.9910	0.9731	0.1177
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7410	0.0863	0.7410	0.6718	0.2428
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9515	0.0237
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.5094	0.0204	0.5094	0.4822	0.1385
splice-EI	0.9558	0.0442	0.9558	0.8839	0.2944
splice-IE	0.9085	0.0915	0.9085	0.7408	0.4660
sport-articles	0.7700	0.2300	0.7700	0.4983	0.7319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.0535	0.5552
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8881	0.0746	0.8881	0.8187	0.2540
steel-k	0.9744	0.0256	0.9744	0.9221	0.2232
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.9026	0.0974	0.9026	0.2928	0.6660
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9538	0.0462	0.9538	0.7746	0.4674
studentap	0.6154	0.2564	0.6154	0.3981	0.5183
student-weekend	0.3385	0.2646	0.3385	0.0577	0.7553
student-workday	0.6094	0.1562	0.6094	0.0178	0.6651
susy10%	0.7565	0.2435	0.7565	0.5044	0.7312
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9823	0.0004	1.0000	1.0000	0.0046
swarm_grouped	1.0000	0.0000	0.9758	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5569
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9527	0.0086	0.9527	0.9479	0.0615
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8586	0.3353
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.3750	0.2083	0.3750	0.2727	0.1574
tox_171	0.4706	0.2647	0.4706	0.2817	0.4859
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.8293	0.0379	0.8293	0.7874	0.1329
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5785	0.3069
trec23-wc	0.9048	0.0317	0.9048	0.8720	0.1218
trec31-wc	0.9462	0.0154	0.9462	0.9283	0.0573
trec41-wc	0.9205	0.0159	0.9205	0.9023	0.0789
trec45-wc	0.9130	0.0174	0.9130	0.8984	0.0600
tuandromd	0.9843	0.0157	0.9843	0.9519	0.1658
turkish	0.8000	0.1000	0.8000	0.7333	0.2330
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.7910	0.0464	0.7910	0.7550	0.1609
vehicle	0.7857	0.1071	0.7857	0.7041	0.2865
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5000	0.5000	0.5000	-0.1250	0.9835
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5152	0.0882	0.5152	0.4667	0.2639
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.7500	0.0250	0.7500	0.7179	0.1499
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8885	0.0319	0.8885	0.8696	0.0703
watch-gyr10%	0.8869	0.0323	0.8869	0.8678	0.0777
waveform	0.6700	0.2200	0.6700	0.5065	0.5178
web-phishing	0.8519	0.0988	0.8519	0.7447	0.4025
weight-lift	0.7952	0.0819	0.7952	0.7358	0.2372
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0548
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.5094	0.1635	0.5094	0.1990	0.4646
winequality-white	0.4601	0.1543	0.4601	0.0740	0.5776
winnipeg	0.9764	0.0061	0.9580	0.9802	0.0477
yale	0.6250	0.0500	0.6250	0.5966	0.0925
yeast	0.4054	0.1189	0.4054	0.2499	0.3794
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9392	0.0608	0.9392	0.2761	0.6261
zip	0.8989	0.0202	0.8989	0.8866	0.1422
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 68: Detailed results for AdaBoost.NC

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1031	0.0619	0.1031	0.0350	0.5288
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9828	0.0172	0.9828	0.2199	0.3556
ads	0.9665	0.0335	0.9665	0.8597	0.2996
adult	0.8079	0.1921	0.8079	0.5431	0.6508
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8413	0.1587	0.8413	-0.0853	0.7270
AID1608Morered	0.8641	0.1359	0.8641	0.0526	0.6574
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7333	0.2667	0.7333	0.1989	0.7895
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3412	0.8452
AID_602330	0.9427	0.0573	0.9427	-0.0233	0.6301
AID604	0.9980	0.0020	0.9980	0.6266	0.1207
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8485	0.1010	0.8485	-0.0399	0.6058
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9886	0.0114	0.9886	-0.0036	0.4944
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9938	0.0062	0.9938	0.2105	0.4014
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9847	0.0076	0.9847	0.9708	0.0518
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9587	0.0699
anuran-species	0.9833	0.0033	0.9833	0.9768	0.0223
aps-failure	0.9817	0.0183	0.9817	0.5928	0.5420
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7778	0.0342	0.7778	0.6454	0.1856
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.5980	0.0670	0.5980	0.5208	0.3604
balance	0.7903	0.1398	0.7903	0.6402	0.3946
bank	0.9036	0.0964	0.9036	0.4617	0.6067
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8387	0.1613	0.8387	0.6356	0.5732
basehock	0.9749	0.0251	0.9749	0.9497	0.1578
bio	0.9968	0.0032	0.9968	0.8096	0.2840
biodeg	0.8952	0.1048	0.8952	0.7810	0.4580
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9775	0.0016	0.9775	0.3038	0.2552
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7500	0.2500	0.7500	0.4096	0.7758
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9241	0.0759	0.9241	0.3710	0.4674
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.7971	0.2029	0.7971	0.5796	0.6728
cardiotocography	0.8779	0.0244	0.8779	0.8540	0.1548
cardiotocography-nsp	0.9014	0.0657	0.9014	0.7522	0.3953
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7209	0.2947
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.1580	0.8380
cdc_diabetes	0.6682	0.2212	0.6682	0.0661	0.5185
census10%	0.9482	0.0518	0.9482	0.3829	0.4734
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.6250	0.3750	0.6250	0.1429	0.8433
chrom19	0.9997	0.0003	0.9997	0.8514	0.1962
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6757	0.5611
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3455	0.8195
cirrhosis	0.7857	0.1429	0.7857	0.5645	0.3521
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8204	0.0898	0.8204	0.7204	0.3945
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5238	0.3175	0.5238	0.2351	0.7308
cnae-9	0.6389	0.0802	0.6389	0.5938	0.2242
codon_usage	0.6040	0.0720	0.6040	0.5340	0.4135
coil20	0.9861	0.0014	0.9861	0.9854	0.0101
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6897	0.3103	0.6897	0.2965	0.8532
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.7241	0.2759	0.7241	0.4450	0.7776
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9926	0.0049	0.9926	0.8186	0.1127
cottonmeloidogyne	0.6803	0.3197	0.6803	0.3632	0.7359
coupon	0.6522	0.3478	0.6522	0.3011	0.8715
covtype	0.6967	0.0867	0.6967	0.5069	0.4150
covtypeCD	0.9866	0.0134	0.9866	0.9425	0.1436
covtypeT	0.9758	0.0242	0.9758	0.7978	0.2718
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.0380	0.8227
crowdsourced	0.8415	0.0528	0.8415	0.6537	0.3086
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3606	0.1102
cyclopentane	0.8148	0.1852	0.8148	0.6218	0.6325
cylinder-bands	0.7222	0.2778	0.7222	0.4223	0.7914
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8237	0.1763	0.8237	0.3788	0.6389
deposit	0.8677	0.1323	0.8677	0.4102	0.6783
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1795	0.6427
dexter	0.9833	0.0167	0.9833	0.9667	0.0972
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.4738	0.6848
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5403	0.3065	0.5403	0.0039	0.3486
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4167	0.5833	0.4167	-0.2353	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5625	0.4375	0.5625	0.1174	0.9589
dropout	0.7088	0.1941	0.7088	0.5119	0.5554
drug-01	0.3989	0.1717	0.3989	0.0097	0.3590
drug-02	0.4255	0.1641	0.4255	0.1265	0.7572
drug-03	0.5319	0.1337	0.5319	0.0880	0.6680
drug-04	0.5000	0.1429	0.5000	0.0456	0.6119
drug-05	0.7234	0.0790	0.7234	-0.0143	0.2970
drug-06	0.3511	0.1854	0.3511	0.1947	0.6850
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.4468	0.1581	0.4468	0.1085	0.8230
drug-09	0.8032	0.0562	0.8032	0.0906	0.4810
drug-10	0.5053	0.1413	0.5053	0.0987	0.5561
drug-11	0.7606	0.0684	0.7606	-0.0352	0.6315
drug-12	0.6064	0.1125	0.6064	0.1054	0.7482
drug-13	0.5372	0.1322	0.5372	0.2567	0.7744
drug-14	0.4787	0.1489	0.4787	0.2102	0.6163
drug-15	0.6702	0.0942	0.6702	0.1204	0.7514
drug-16	0.3936	0.1733	0.3936	0.1213	0.7257
drug-17	0.3191	0.1945	0.3191	-0.0056	0.3844
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6862	0.0897	0.6862	0.1065	0.6033
drybean	0.9192	0.0231	0.9192	0.9020	0.1245
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1583	0.1052	0.1583	0.0182	0.3689
eeg-eye	0.5447	0.4553	0.5447	0.1551	0.6238
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.5412	0.6703
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4510	0.7177
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6695	0.5756
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9020	0.2532
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7196	0.5081
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6301	0.1479	0.6301	0.5328	0.3949
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9293	0.0707	0.9293	0.8578	0.3291
fbis-wc	0.6179	0.0450	0.6179	0.5612	0.2618
fda.atompair_fp	0.5000	0.5000	0.5000	-0.1980	0.9394
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5500	0.1125	0.5500	0.4286	0.2355
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4867	0.0068	0.4988	0.4507	0.2815
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9856	0.0048	0.9856	0.9826	0.0328
gastrointestinal	0.9375	0.0417	0.9375	0.9006	0.1278
gender	0.5895	0.2737	0.5895	0.0053	0.3706
gene	0.9338	0.0442	0.9338	0.8943	0.1844
german	0.7200	0.2800	0.7200	0.3017	0.7423
gina	0.8213	0.1787	0.8213	0.6419	0.6153
glass	0.8095	0.0635	0.8095	0.7423	0.2203
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6750	0.5548
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.5189
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9460	0.0090	0.9460	0.9362	0.0661
har70	0.8366	0.0467	0.8366	0.7689	0.1480
harth10%	0.8564	0.0225	0.8578	0.8344	0.1571
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.9000	0.1000	0.9000	0.7964	0.3038
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5761
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5571	0.4429	0.5571	0.0814	0.8868
higher	0.3571	0.1607	0.3571	0.2588	0.2727
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9089	0.0911	0.9089	0.6673	0.5210
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.6389	0.2407	0.6389	0.3380	0.5721
htru2	0.9765	0.0235	0.9765	0.8526	0.2515
ht-sensor	0.8693	0.0871	0.8693	0.8040	0.2737
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.2643	0.7483
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6162	0.0295	0.6162	0.6008	0.2628
jm1	0.8090	0.1910	0.8090	0.1145	0.6028
fvowels	0.8845	0.0257	0.8845	0.8690	0.1613
kc1	0.8673	0.1327	0.8673	0.3535	0.5873
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	-0.0413	0.3084
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8392	0.0179	0.8392	0.8204	0.1955
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7505	0.0863	0.7284	0.6473	0.3634
la2s-wc	0.7503	0.0810	0.7799	0.6780	0.3208
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6909	0.0593
led24	0.6000	0.0800	0.6000	0.5493	0.1807
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.3125	0.0529	0.3125	0.2837	0.3804
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7778	0.0296	0.7778	0.7610	0.0979
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0001
liver	0.6471	0.3529	0.6471	0.2941	0.8066
localization	0.4162	0.1061	0.4162	0.2406	0.6894
lrs	0.8679	0.0264	0.8679	0.8169	0.1021
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1721
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5192	0.4808	0.5192	0.0385	0.9732
magic04	0.7543	0.2457	0.7543	0.4385	0.7575

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5446	0.6935
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6508	0.3890
messidor	0.6609	0.3391	0.6609	0.3301	0.8399
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-fou	0.7450	0.0510	0.7450	0.7167	0.1991
mfeat-kar	0.9000	0.0200	0.9000	0.8889	0.1124
mfeat-mor	0.7300	0.0540	0.7300	0.7000	0.1939
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0251
mfeat-zer	0.6800	0.0640	0.6800	0.6444	0.2610
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4469	0.4583
mobile	0.3042	0.0249	0.3042	0.2912	0.2652
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9106	0.0894	0.9106	0.5520	0.2167
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9785
mutagen_class_2	0.5882	0.4118	0.5882	0.1765	0.8411
mutagen_class_3	0.4783	0.5217	0.4783	-0.0570	0.8170
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.7009
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3326	0.8516
MUT_ci300400a	0.6892	0.3108	0.6892	0.3851	0.8054
MUT_ci300400a_cdk_ECFP2	0.6463	0.3537	0.6463	0.3252	0.7720
myocardial	0.8941	0.0265	0.8941	0.4848	0.0897
naticusdroid	0.9332	0.0668	0.9332	0.8664	0.3240
nci9	0.6667	0.0741	0.6667	0.6129	0.0312
ncRNA10%	0.8929	0.0096	0.9031	0.7207	0.2086
newspop	0.4758	0.5242	0.4758	0.0110	0.6563
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9553	0.0447	0.9553	0.8897	0.2690
NPHA-doctor-visits	0.4028	0.3981	0.4028	-0.0036	0.8127
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0643
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.7228	0.0554	0.7228	0.6873	0.1956
oh10-wc	0.6381	0.0724	0.6381	0.5887	0.2695
oh15-wc	0.6630	0.0674	0.6630	0.6193	0.3248
oh5-wc	0.5934	0.0813	0.5934	0.5378	0.3124
opn310k	0.9198	0.0802	0.9198	0.3689	0.5397
opnat310k-hg16-17	0.9184	0.0816	0.9184	0.2666	0.4420
optdigits	0.9448	0.0110	0.9448	0.9387	0.0728
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7250	0.0138	0.7250	0.7179	0.0474
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9170	0.0830	0.9170	0.3203	0.6381
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8719	0.1407

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8657	0.1343	0.8657	0.6399	0.5204
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.5155	0.4845	0.5155	-0.0139	0.9936
pd	0.8947	0.1053	0.8947	0.7193	0.5115
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1102
pendigits	0.9927	0.0015	0.9927	0.9919	0.0121
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.7784	0.2216	0.7784	0.4651	0.6902
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9611
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7450	0.5060
P-Glycoprotein_RDkit_AtomPair_FP	0.6000	0.4000	0.6000	0.2233	0.8634
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9918	0.0082	0.9918	0.9829	0.0671
phoneme	0.8278	0.1722	0.8278	0.5768	0.6567
phy	0.5982	0.4018	0.5982	0.1987	0.8351
pima	0.7237	0.2763	0.7237	0.3746	0.7278
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7349	0.0530	0.7349	0.5029	0.2758
polish-1st	0.9687	0.0313	0.9687	0.4359	0.4145
polish-2nd	0.9577	0.0423	0.9577	0.0360	0.4216
polish-3rd	0.9457	0.0543	0.9457	0.1282	0.5661
polish-4th	0.9469	0.0531	0.9469	0.3951	0.5765
polish-5th	0.9357	0.0643	0.9357	0.4659	0.5857
polya	0.5016	0.4984	0.5016	0.1440	0.7116
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.8819	0.0472	0.8819	0.8523	0.1578
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.9134
primary-tumor	0.4545	0.0496	0.4545	0.3926	0.2170
profb	0.7313	0.2687	0.7313	0.3453	0.7955
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8976	0.0410	0.8976	0.8645	0.1727
pufs-6410%	0.5029	0.4971	0.5029	0.0057	0.9928
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.5867	0.0636	0.5867	0.4142	0.3756
re1-wc	0.3675	0.0506	0.3675	0.3450	0.2057
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5515	0.4485	0.5515	0.1973	0.6608
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0041
satimage	0.7932	0.0689	0.7932	0.7487	0.2259
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9145	0.0855	0.9145	0.5388	0.6025
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6316	0.3684	0.6316	0.1882	0.5140
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.0719	0.5611
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8395	0.1605	0.8395	0.0009	0.7307
sens-2-gram	0.8500	0.1500	0.8500	0.1294	0.7116
sens-3-gram	0.8132	0.1868	0.8132	0.1148	0.7722
sens-4-gram	0.8631	0.1375	0.8480	0.1313	0.6400
sensorless	0.9788	0.0039	0.9788	0.9767	0.0304
sepsis	0.9021	0.0979	0.9021	0.0173	0.5188
shoppers	0.8873	0.1127	0.8873	0.4870	0.5594
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9993	0.0063
smk_can_187	0.5263	0.4737	0.5263	0.0339	0.9701
solar-flare	0.7266	0.0911	0.7266	0.6513	0.2452
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9109	0.0891	0.9109	0.8138	0.4098
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4717	0.0220	0.4717	0.4417	0.1500
splice-EI	0.9779	0.0221	0.9779	0.9427	0.1928
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.8200	0.1800	0.8200	0.6095	0.6396
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8308	0.1692	0.8308	0.4764	0.6930
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8984	0.0677	0.8984	0.8352	0.2304
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7179	0.2821	0.7179	0.2892	0.7352
steel-p	0.9231	0.0769	0.9231	0.3623	0.5753
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.5385	0.3077	0.5385	0.2642	0.5113
student-weekend	0.3077	0.2769	0.3077	0.0372	0.7448
student-workday	0.7188	0.1125	0.7188	0.2648	0.3875
susy10%	0.7050	0.2950	0.7050	0.3863	0.7318
swarm_aligned	1.0000	0.0000	0.9912	1.0000	0.0000
swarm_flocking	0.9758	0.0004	1.0000	0.9942	0.0048
swarm_grouped	0.9915	0.0000	1.0000	0.9923	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9545	0.0083	0.9545	0.9499	0.0621
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8040	0.1960	0.8040	0.5394	0.6613
titanic	0.7455	0.2545	0.7455	0.4045	0.7851
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6047	0.2105
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	0.0304	0.8859
trec11-wc	0.9268	0.0163	0.9268	0.9100	0.0741
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9432	0.0114	0.9432	0.9305	0.0665
trec45-wc	0.9565	0.0087	0.9565	0.9494	0.0366
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8750	0.0625	0.8750	0.8333	0.1618
tvnews	0.7873	0.2127	0.7873	0.4951	0.5883
urban	0.8209	0.0398	0.8209	0.7897	0.1452
vehicle	0.7024	0.1488	0.7024	0.6032	0.3220
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6364	0.0661	0.6364	0.6000	0.2159
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9052	0.0948	0.9052	0.2500	0.6210
wap-wc	0.4872	0.0513	0.4872	0.4204	0.2275
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9337	0.0189	0.9337	0.9225	0.0782
watch-gyr10%	0.9686	0.0090	0.9686	0.9633	0.0441
waveform	0.7860	0.1427	0.7860	0.6791	0.4437
web-phishing	0.8667	0.0889	0.8667	0.7662	0.3868
weight-lift	0.9962	0.0015	0.9962	0.9952	0.0112
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4780	0.1740	0.4780	0.2032	0.6043
winequality-white	0.4642	0.1531	0.4642	0.1470	0.5026
winnipeg	0.9891	0.0062	0.9654	0.9637	0.0493
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.5203	0.0959	0.5203	0.3812	0.4687
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.7763	0.0447	0.7763	0.7491	0.2088
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 69: Detailed results for Arc-x4

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1847	0.0562	0.1847	0.0931	0.4004
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9819	0.0181	0.9819	-0.0006	0.1621
ads	0.9665	0.0335	0.9665	0.8543	0.2540
adult	0.8253	0.1747	0.8253	0.3533	0.3498
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.0625	0.7749
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3412	0.8452
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9968	0.0032	0.9968	0.1617	0.0150
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.2496	0.3797
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9791	0.0104	0.9791	0.9601	0.0616
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9791	0.0052	0.9791	0.9656	0.0620
anuran-species	0.9694	0.0061	0.9694	0.9574	0.0439
aps-failure	0.9904	0.0096	0.9904	0.6528	0.1800
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5462	0.1975
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6881	0.0520	0.6881	0.5518	0.2079
balance	0.7419	0.1720	0.7419	0.5761	0.3817
bank	0.9070	0.0930	0.9070	0.3612	0.4759
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8433	0.1567	0.8433	0.6323	0.4614
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9965	0.0035	0.9965	0.7633	0.1213
biodeg	0.8762	0.1238	0.8762	0.7388	0.5111
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9872	0.0009	0.9872	0.2136	0.1780
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.1818	0.8787
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0351	0.9096
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1255
bub10at310k-hg16-17	0.9118	0.0882	0.9118	0.0817	0.3056
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8261	0.1739	0.8261	0.6465	0.6157
cardiotocography	0.8310	0.0338	0.8310	0.7960	0.1738
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8018	0.2796
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7805	0.2371
cas_N6512_cdk_ECFP2	0.6298	0.3702	0.6298	0.2217	0.7745
cdc_diabetes	0.8478	0.1015	0.8478	0.2020	0.3278
census10%	0.9485	0.0515	0.9485	0.2721	0.2792
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9419	0.0581	0.9419	0.2612	0.5311
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8490	0.0707
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8014	0.4126
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.8035	0.4273
ci200186m.ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2741	0.8250
cirrhosis	0.6667	0.2222	0.6667	0.2829	0.4191
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8176	0.0912	0.8176	0.7187	0.4018
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.4353
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5986	0.2676	0.5986	0.3712	0.6586
cnae-9	0.6389	0.0802	0.6389	0.5938	0.1641
codon_usage	0.7268	0.0497	0.7268	0.6629	0.2030
coil20	0.9861	0.0014	0.9861	0.9854	0.0101
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.6552	0.3448	0.6552	0.1471	0.7403
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9885	0.0077	0.9885	0.6709	0.1386
cottonmeloidogyne	0.6394	0.3606	0.6394	0.2826	0.7337
coupon	0.7397	0.2603	0.7397	0.4573	0.7557
covtype	0.7143	0.0816	0.7143	0.5407	0.2959
covtypeCD	0.9831	0.0169	0.9831	0.9266	0.1503
covtypeT	0.9694	0.0306	0.9694	0.7288	0.2861
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8212	0.0596	0.8212	0.5581	0.2047
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4688	0.0266	0.4688	0.4538	0.0958
cyclopentane	0.6296	0.3704	0.6296	0.2373	0.9000
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7797	0.2203	0.7797	0.0130	0.4246
deposit	0.8837	0.1163	0.8837	0.0156	0.2778
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5533	0.5058
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5324	0.3117	0.5324	-0.0027	0.4363
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5685	0.4315	0.5685	0.1406	0.9479
dropout	0.7223	0.1851	0.7223	0.5111	0.4553
drug-01	0.4043	0.1702	0.4043	0.0208	0.3736
drug-02	0.5106	0.1398	0.5106	0.0119	0.3672
drug-03	0.6596	0.0973	0.6596	-0.0326	0.3581
drug-04	0.5213	0.1368	0.5213	0.0178	0.4162
drug-05	0.7128	0.0821	0.7128	-0.0296	0.3387
drug-06	0.3936	0.1733	0.3936	0.2164	0.4505
drug-07	0.3989	0.1717	0.3989	-0.0427	0.3379
drug-08	0.5585	0.1261	0.5585	0.0448	0.3236
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5266	0.1353	0.5266	-0.0059	0.3946
drug-11	0.8511	0.0426	0.8511	0.0551	0.2190
drug-12	0.7819	0.0623	0.7819	-0.0125	0.3474
drug-13	0.5691	0.1231	0.5691	-0.0096	0.3156
drug-14	0.6011	0.1140	0.6011	0.1580	0.3947
drug-15	0.7606	0.0684	0.7606	0.0599	0.2912
drug-16	0.5426	0.1307	0.5426	0.1727	0.4426
drug-17	0.3298	0.1915	0.3298	0.0179	0.4118
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7606	0.0684	0.7606	0.0166	0.3612
drybean	0.9206	0.0227	0.9206	0.9037	0.1149
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2126	0.0984	0.2126	0.0890	0.4182
eeg-eye	0.5995	0.4005	0.5995	0.1211	0.5952
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4583	0.7707
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5294	0.6440
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8699	0.3522
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6369	0.6155
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7196	0.5081
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6575	0.1370	0.6575	0.5498	0.3109
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9453	0.0547	0.9453	0.8900	0.2701
fbis-wc	0.5854	0.0488	0.5854	0.5140	0.2488
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6203	0.1777
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4098	0.0077	0.4098	0.3532	0.2702
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8562	0.0479	0.8562	0.8264	0.1355
gastrointestinal	0.6875	0.2083	0.6875	0.4969	0.4022
gender	0.5853	0.2765	0.5853	-0.0012	0.3785
gene	0.9369	0.0421	0.9369	0.8992	0.1652
german	0.6500	0.3500	0.6500	0.0642	0.7808
gina	0.8329	0.1671	0.8329	0.6655	0.5984
glass	0.8571	0.0476	0.8571	0.8062	0.1657
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.5189
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9424	0.0096	0.9424	0.9318	0.0704
har70	0.9349	0.0231	0.8978	0.8638	0.1171
harth10%	0.8033	0.0328	0.8033	0.7283	0.1523
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8054	0.1946	0.8054	0.6104	0.6146
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.4707	0.5293	0.4707	0.0003	0.5324
higher	0.2857	0.1786	0.2857	0.1463	0.3098
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9039	0.0961	0.9039	0.6020	0.4496
hiva	0.9645	0.0355	0.9645	0.1102	0.3399
horse	0.6111	0.2593	0.6111	0.2971	0.6237
htru2	0.9771	0.0229	0.9771	0.8478	0.1421
ht-sensor	0.7836	0.1443	0.7836	0.6797	0.3272
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6008	0.0307	0.6008	0.5848	0.2075
jm1	0.8108	0.1892	0.8108	0.0747	0.4895
fvowels	0.8795	0.0268	0.8795	0.8637	0.1554
kc1	0.8673	0.1327	0.8673	0.3097	0.5233
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1901	0.2067
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2394	0.7582
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8635	0.0152	0.8635	0.8475	0.1767
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7318	0.0893	0.7532	0.6529	0.3716
la2s-wc	0.7777	0.0807	0.7706	0.6921	0.3201
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7218	0.0540
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.5650	0.0335	0.5650	0.5483	0.2581
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8511	0.0418
linkage10%	0.9808	0.0000	0.9921	0.9949	0.0001
liver	0.5882	0.4118	0.5882	0.1019	0.9203
localization	0.4358	0.1026	0.4358	0.2117	0.3716
lrs	0.8868	0.0226	0.8868	0.8427	0.0802
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.4654	0.5346	0.4654	-0.0692	0.9939
magic04	0.7349	0.2651	0.7349	0.3037	0.5175

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6265	0.6250
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7434	0.3601
messidor	0.6261	0.3739	0.6261	0.2839	0.7988
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0770
mfeat-fou	0.7500	0.0500	0.7500	0.7222	0.1951
mfeat-kar	0.8750	0.0250	0.8750	0.8611	0.1370
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2029
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0316
mfeat-zer	0.6300	0.0740	0.6300	0.5889	0.2828
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3738	0.4645
mobile	0.5035	0.0177	0.5035	0.4945	0.1830
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7481	0.1592
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9978
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9672
mutagen_class_3	0.5217	0.4783	0.5217	0.0298	0.5261
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7017
MUT_ci034254q_MACCS	0.7705	0.2295	0.7705	0.5328	0.7053
MUT_ci300400a	0.6479	0.3521	0.6479	0.2043	0.6554
MUT_ci300400a_cdk_ECFP2	0.6667	0.3333	0.6667	0.2422	0.6838
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9693	0.0307	0.9693	0.9386	0.1849
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.9274	0.0096	0.8944	0.7110	0.2062
newspop	0.4733	0.5267	0.4733	0.0090	0.5723
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9501	0.0499	0.9501	0.8760	0.2834
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0606	0.7555
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9757	0.1069
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.7921	0.0416	0.7921	0.7583	0.1249
oh10-wc	0.6095	0.0781	0.6095	0.5462	0.2458
oh15-wc	0.5109	0.0978	0.5109	0.4274	0.3066
oh5-wc	0.7802	0.0440	0.7802	0.7500	0.1675
opn310k	0.9135	0.0865	0.9135	0.0964	0.2566
opnat310k-hg16-17	0.9129	0.0871	0.9129	0.1008	0.2990
optdigits	0.9413	0.0117	0.9413	0.9347	0.0798
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7250	0.0138	0.7250	0.7179	0.0546
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9328	0.0672	0.9328	0.2410	0.3595
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9799	0.0080	0.9799	0.8878	0.1773

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8951	0.1049	0.8951	0.7321	0.4756
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	-0.0297	0.6428
pcmac	0.5052	0.4948	0.5052	-0.0392	0.9998
pd	0.9342	0.0658	0.9342	0.8148	0.3131
pediatric-leukemia	0.7941	0.0588	0.7941	0.7473	0.1816
pendigits	0.9663	0.0067	0.9663	0.9626	0.0405
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8351	0.1649	0.8351	0.6157	0.5948
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9099
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8095	0.1905	0.8095	0.6228	0.5936
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9878	0.0122	0.9878	0.9744	0.0960
phoneme	0.7259	0.2741	0.7259	0.0567	0.5001
phy	0.6294	0.3706	0.6294	0.2566	0.7793
pima	0.6711	0.3289	0.6711	0.2460	0.8045
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.8236	0.0353	0.8236	0.6752	0.1894
polish-1st	0.9587	0.0413	0.9587	-0.0053	0.3773
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9571	0.0429	0.9571	0.3832	0.3493
polish-5th	0.9492	0.0508	0.9492	0.4436	0.3042
polya	0.6605	0.3395	0.6605	0.0775	0.5905
popularity	0.6313	0.2458	0.6313	0.0032	0.3252
post-operative	0.5556	0.2963	0.5556	0.0000	0.4796
postures	0.8666	0.0534	0.8666	0.8328	0.1663
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8237
primary-tumor	0.4242	0.0523	0.4242	0.3602	0.1740
profb	0.7910	0.2090	0.7910	0.5263	0.7085
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9199	0.0320	0.9199	0.8914	0.1046
pufs-6410%	0.5015	0.4985	0.5015	0.0029	0.9893
raisin	0.8333	0.1667	0.8333	0.6667	0.5670
re0-wc	0.5200	0.0738	0.5200	0.2540	0.2276
re1-wc	0.5422	0.0366	0.5422	0.4522	0.2002
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5472	0.4528	0.5472	0.1945	0.6230
RT_IOT2022	0.9954	0.0008	0.9954	0.9884	0.0064
satimage	0.8678	0.0441	0.8678	0.8364	0.1817
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8989	0.1011	0.8989	0.0240	0.3137
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.5556	0.4444	0.5556	0.2500	0.5000
schizo	0.3529	0.6471	0.3529	-0.2941	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.8181	0.1819	0.8181	0.6164	0.4107
segment	0.9697	0.0087	0.9697	0.9646	0.0390
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-4-gram	0.8600	0.1419	0.8474	0.1340	0.6380
sensorless	0.9856	0.0026	0.9856	0.9842	0.0232
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8767	0.1233	0.8767	0.3625	0.4953
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9735	0.0265	0.9735	0.7775	0.3572
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9993	0.0007	0.9993	0.9979	0.0154
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7410	0.0863	0.7410	0.6683	0.2337
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9261	0.0739	0.9261	0.8454	0.3603
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4906	0.0212	0.4906	0.4567	0.1391
splice-EI	0.9685	0.0315	0.9685	0.9178	0.2408
splice-IE	0.9464	0.0536	0.9464	0.8549	0.3500
sport-articles	0.8100	0.1900	0.8100	0.5855	0.6578
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7744	0.2256	0.7744	0.0479	0.7204
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8878	0.0748	0.8878	0.8173	0.2411
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7128	0.2872	0.7128	0.2619	0.7086
steel-p	0.9282	0.0718	0.9282	0.2762	0.3858
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3846	0.4103	0.3846	0.0370	0.6626
student-weekend	0.3538	0.2585	0.3538	0.0768	0.5859
student-workday	0.7031	0.1187	0.7031	0.0802	0.3332
susy10%	0.7268	0.2732	0.7268	0.4262	0.5839
swarm_aligned	0.9824	0.0000	1.0000	0.9797	0.0000
swarm_flocking	0.9795	0.0004	0.9911	1.0000	0.0048
swarm_grouped	1.0000	0.0000	1.0000	0.9891	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.3880
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9291	0.0129	0.9291	0.9219	0.0651
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8773	0.1227	0.8773	0.6494	0.5327
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	-0.0830	0.9027
trec11-wc	0.8537	0.0325	0.8537	0.8203	0.1128
trec12-wc	0.9032	0.0242	0.9032	0.8838	0.0884

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8745	0.1219
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9432	0.0462
trec41-wc	0.9205	0.0159	0.9205	0.9020	0.0708
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0469
tuandromd	0.9821	0.0179	0.9821	0.9434	0.1312
turkish	0.8250	0.0875	0.8250	0.7667	0.2266
tvnews	0.8385	0.1615	0.8385	0.6332	0.5526
urban	0.8507	0.0332	0.8507	0.8247	0.1227
vehicle	0.7976	0.1012	0.7976	0.7249	0.2271
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5960	0.0735	0.5960	0.5556	0.2675
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.3269	0.0673	0.3269	0.1623	0.2874
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9768	0.0066	0.9768	0.9729	0.0341
watch-gyr10%	0.9756	0.0070	0.9756	0.9715	0.0291
waveform	0.7540	0.1640	0.7540	0.6313	0.4708
web-phishing	0.8593	0.0938	0.8593	0.7525	0.3988
weight-lift	0.9126	0.0350	0.9126	0.8897	0.1263
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.3856	0.3385
winequality-white	0.4560	0.1554	0.4560	0.0363	0.3971
winnipeg	0.9699	0.0063	0.9826	0.9934	0.0497
yale	0.7500	0.0333	0.7500	0.7322	0.0618
yeast	0.4730	0.1054	0.4730	0.3342	0.3728
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7989	0.0402	0.7989	0.7732	0.2030
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 70: Detailed results for LearningFromBites

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1966	0.0554	0.1966	0.1057	0.3791
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9831	0.0169	0.9831	0.1529	0.2131
ads	0.9573	0.0427	0.9573	0.8091	0.2813
adult	0.8550	0.1450	0.8550	0.5475	0.5684
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9666	0.0167	0.9666	0.9361	0.1060
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9638	0.0090	0.9638	0.9399	0.0505
anuran-species	0.9806	0.0039	0.9806	0.9729	0.0275
aps-failure	0.9882	0.0118	0.9882	0.6452	0.4307
arcene	0.8000	0.2000	0.8000	0.5833	0.6737
arrhythmia	0.6889	0.0479	0.6889	0.4194	0.1555
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.9130	0.0072	0.9130	0.9004	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6215	0.0631	0.6215	0.4510	0.2950
balance	0.7903	0.1398	0.7903	0.6440	0.3418
bank	0.9124	0.0876	0.9124	0.5254	0.5807
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8387	0.1613	0.8387	0.6169	0.4241
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9966	0.0034	0.9966	0.7711	0.1386
biodeg	0.8571	0.1429	0.8571	0.6957	0.5561
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9858	0.0010	0.9858	0.0000	0.0117
block10%	0.9998	0.0002	0.9998	0.9656	0.0227
block10%	0.9998	0.0002	0.9998	0.9656	0.0227
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9203	0.0797	0.9203	0.3042	0.4547
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8551	0.1449	0.8551	0.7054	0.5520
cardiotocography	0.8498	0.0300	0.8498	0.8182	0.1360
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7888	0.2942
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6804	0.3267
cas_N6512_cdk_ECFP2	0.6313	0.3687	0.6313	0.2235	0.7557
cdc_diabetes	0.8500	0.1000	0.8500	0.2106	0.3204
census10%	0.9509	0.0491	0.9509	0.3610	0.3562
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9996	0.0004	0.9996	0.6958	0.0584
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.9259	0.0741	0.9259	0.8412	0.3657
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5896	0.6206
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2907	0.8430
cirrhosis	0.6905	0.2063	0.6905	0.3406	0.4071
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7926	0.1037	0.7926	0.6666	0.3207
climate	0.9074	0.0926	0.9074	0.4981	0.5987
cil_sub_111	0.7500	0.1667	0.7500	0.6000	0.3320
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5850	0.2766	0.5850	0.3558	0.6710
cnae-9	0.6574	0.0761	0.6574	0.6146	0.1719
codon_usage	0.6615	0.0615	0.6615	0.5804	0.2832
coil20	0.9861	0.0014	0.9861	0.9854	0.0099
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6207	0.3793	0.6207	0.2238	0.7270
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9839	0.0108	0.9839	0.4558	0.0330
cottonmeloidogyne	0.6659	0.3341	0.6659	0.3294	0.8039
coupon	0.7050	0.2950	0.7050	0.3893	0.8149
covtype	0.7015	0.0853	0.7015	0.5001	0.3276
covtypeCD	0.9831	0.0169	0.9831	0.9259	0.1292
covtypeT	0.9725	0.0275	0.9725	0.7592	0.2582
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8369	0.0544	0.8369	0.6229	0.3125
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4688	0.0266	0.4688	0.4533	0.0844
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8067	0.1933	0.8067	0.2397	0.5736
deposit	0.8991	0.1009	0.8991	0.3911	0.5777
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9167	0.0833	0.9167	0.8333	0.3549
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	0.9167	0.0833	0.9167	0.8333	0.3145
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5417	0.4583	0.5417	0.0149	0.9759
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5544	0.4456	0.5544	0.0691	0.7862
dropout	0.7404	0.1731	0.7404	0.5545	0.4793
drug-01	0.4043	0.1702	0.4043	0.0176	0.3612
drug-02	0.5106	0.1398	0.5106	0.0118	0.3668
drug-03	0.6702	0.0942	0.6702	-0.0290	0.2950
drug-04	0.5213	0.1368	0.5213	0.0134	0.4708
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3936	0.1733	0.3936	0.2174	0.4415
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5532	0.1277	0.5532	0.0202	0.3067
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5426	0.1307	0.5426	0.0146	0.3382
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7819	0.0623	0.7819	-0.0138	0.2921
drug-13	0.6011	0.1140	0.6011	0.1821	0.3334
drug-14	0.6117	0.1109	0.6117	0.1890	0.3693
drug-15	0.7606	0.0684	0.7606	0.0599	0.2912
drug-16	0.5638	0.1246	0.5638	0.2489	0.3766
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9787	0.0085	0.9787	-0.0053	0.1734
drug-19	0.7660	0.0669	0.7660	0.0083	0.2136
drybean	0.9251	0.0214	0.9251	0.9092	0.1216
ecoli	0.8824	0.0294	0.8824	0.8369	0.0987
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.5692	0.6280
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1730	0.1034	0.1730	0.0378	0.3899
eeg-eye	0.6188	0.3812	0.6188	0.1703	0.6497
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.7333	0.2667	0.7333	0.3416	0.7277
er_tox_rdkit_ATOMPAIR	0.8852	0.1148	0.8852	0.1676	0.5741
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8699	0.3522
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6617	0.5586
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7636	0.4676
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.6575	0.1370	0.6575	0.5518	0.3245
euthyroid	0.9620	0.0380	0.9620	0.7854	0.3952
exon.vs.intron-freq	0.9466	0.0534	0.9466	0.8926	0.2743
fbis-wc	0.4919	0.0598	0.4919	0.3899	0.2412
fda.atompair_fp	0.6364	0.3636	0.6364	-0.1579	0.9308
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4500	0.1375	0.4500	0.2949	0.2856
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.3835	0.0081	0.3835	0.3228	0.2920
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8728	0.0424	0.8728	0.8460	0.1480
gastrointestinal	0.7500	0.1667	0.7500	0.6121	0.2816
gender	0.5916	0.2723	0.5916	0.0103	0.3336
gene	0.9401	0.0400	0.9401	0.9044	0.1838
german	0.6400	0.3600	0.6400	0.0137	0.7500
gina	0.8732	0.1268	0.8732	0.7456	0.4760
glass	0.8095	0.0635	0.8095	0.7375	0.2035
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.7619	0.2381	0.7619	0.4444	0.7540
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2771	0.5715
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.9478	0.0087	0.9478	0.9384	0.0547
har70	0.9421	0.0232	0.9247	0.8632	0.1162
harth10%	0.8319	0.0280	0.8319	0.7685	0.1757
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8000	0.2000	0.8000	0.6018	0.6480
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8086	0.1914	0.8086	0.6167	0.5886
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5482	0.4518	0.5482	0.0433	0.5961
higher	0.2857	0.1786	0.2857	0.1566	0.3107
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9022	0.0978	0.9022	0.5734	0.3805
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6389	0.2407	0.6389	0.3589	0.5959
htru2	0.9799	0.0201	0.9799	0.8729	0.2054
ht-sensor	0.7436	0.1709	0.7436	0.6203	0.3988
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1243	0.6306
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8190	0.0139	0.8190	0.8118	0.1382
jm1	0.8099	0.1901	0.8099	0.0829	0.5286
fvowels	0.8665	0.0297	0.8665	0.8483	0.1628
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.4749	0.0583	0.4749	0.4096	0.4702
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7435	0.0896	0.7255	0.6606	0.3658
la2s-wc	0.7772	0.0804	0.7659	0.7081	0.3187
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4706	0.0265	0.4706	0.4486	0.0850
led24	0.6500	0.0700	0.6500	0.6045	0.1488
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.5395	0.0354	0.5395	0.5219	0.2596
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8210	0.0642
linkage10%	0.9939	0.0000	1.0000	1.0000	0.0001
liver	0.6765	0.3235	0.6765	0.2429	0.8721
localization	0.4399	0.1018	0.4399	0.1914	0.3388
lrs	0.8113	0.0377	0.8113	0.7379	0.1704
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1679
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5346	0.4654	0.5346	0.0692	0.9780
magic04	0.8143	0.1857	0.8143	0.5556	0.5673

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6989	0.4049
messidor	0.6261	0.3739	0.6261	0.2776	0.8288
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0777
mfeat-fou	0.8050	0.0390	0.8050	0.7833	0.1710
mfeat-kar	0.8650	0.0270	0.8650	0.8500	0.1370
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.1997
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0436
mfeat-zer	0.6400	0.0720	0.6400	0.6000	0.2570
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4475	0.3767
mobile	0.7063	0.0105	0.7063	0.7009	0.1080
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9212	0.0788	0.9212	0.6192	0.1999
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9796
mutagen_class_2	0.4853	0.5147	0.4853	-0.0294	0.6753
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7241
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3711	0.8369
MUT_ci300400a	0.6454	0.3546	0.6454	0.1987	0.6638
MUT_ci300400a_cdk_ECFP2	0.6211	0.3789	0.6211	0.1097	0.5767
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9649	0.0351	0.9649	0.9298	0.2044
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.8904	0.0095	0.8996	0.7285	0.2100
newspop	0.5376	0.4624	0.5376	0.0159	0.6659
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9576	0.0424	0.9576	0.8952	0.2548
NPHA-doctor-visits	0.4722	0.3519	0.4722	-0.0156	0.6297
nursery	0.9969	0.0012	0.9969	0.9955	0.0090
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9770	0.1025
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.5446	0.0911	0.5446	0.4656	0.2080
oh10-wc	0.5238	0.0952	0.5238	0.4431	0.2532
oh15-wc	0.4022	0.1196	0.4022	0.2948	0.2770
oh5-wc	0.5495	0.0901	0.5495	0.4744	0.2336
opn310k	0.9217	0.0783	0.9217	0.3376	0.4728
opnat310k-hg16-17	0.9236	0.0764	0.9236	0.3555	0.4552
optdigits	0.9537	0.0093	0.9537	0.9486	0.0649
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7000	0.0150	0.7000	0.6923	0.0872
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9368	0.0632	0.9368	0.3118	0.3468
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9799	0.0080	0.9799	0.8858	0.1495

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8986	0.1014	0.8986	0.7401	0.4613
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9009	0.0991	0.9009	-0.0409	0.6902
pcmac	0.5876	0.4124	0.5876	0.0183	0.5813
pd	0.9079	0.0921	0.9079	0.7407	0.4303
pediatric-leukemia	0.8235	0.0504	0.8235	0.7848	0.1684
pendigits	0.9864	0.0027	0.9864	0.9848	0.0232
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5676	0.6439
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7166	0.4909
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5192	0.4786
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9796	0.0204	0.9796	0.9569	0.1229
phoneme	0.8111	0.1889	0.8111	0.5312	0.6897
phy	0.6710	0.3290	0.6710	0.3426	0.8437
pima	0.7105	0.2895	0.7105	0.3407	0.7408
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6097	0.0781	0.6097	0.2404	0.1930
polish-1st	0.9716	0.0284	0.9716	0.4023	0.0889
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9592	0.0408	0.9592	0.4684	0.4144
polish-5th	0.9560	0.0440	0.9560	0.5842	0.3899
polya	0.6735	0.3265	0.6735	0.1259	0.6102
popularity	0.6313	0.2458	0.6313	0.0029	0.3340
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8357	0.0657	0.8357	0.7943	0.2421
pred-tox_mutagen_ref-desc	0.5588	0.4412	0.5588	0.1176	0.9174
primary-tumor	0.4545	0.0496	0.4545	0.3800	0.2241
profb	0.6866	0.3134	0.6866	0.1853	0.8336
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9060	0.0376	0.9060	0.8720	0.1377
pufs-6410%	0.5002	0.4998	0.5002	-0.0002	0.5599
raisin	0.8111	0.1889	0.8111	0.6222	0.6171
re0-wc	0.4400	0.0862	0.4400	0.0899	0.2541
re1-wc	0.3916	0.0487	0.3916	0.2479	0.2448
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5936	0.4064	0.5936	0.0321	0.7598
RT_IOT2022	0.9950	0.0008	0.9950	0.9875	0.0118
satimage	0.8663	0.0446	0.8663	0.8334	0.1701
satimageF	0.9876	0.0124	0.9876	0.9351	0.1542
satimageT	0.9160	0.0840	0.9160	0.4812	0.5821
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.5000	0.5000	0.5000	0.0000	0.9994
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.7259	0.2741	0.7259	0.4727	0.6053
segment	0.9784	0.0062	0.9784	0.9747	0.0275
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0927	0.3832
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8398	0.1416	0.8495	0.1310	0.6357
sensorless	0.9591	0.0074	0.9591	0.9551	0.0565
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.9002	0.0998	0.9002	0.6165	0.5749
shuttle	0.9988	0.0003	0.9988	0.9966	0.0798
sick	0.9841	0.0159	0.9841	0.8665	0.2333
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9973	0.0027	0.9973	0.9918	0.0422
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7626	0.0791	0.7626	0.6942	0.1809
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9304	0.0696	0.9304	0.8540	0.3416
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.6038	0.0165	0.6038	0.5802	0.1077
splice-EI	0.9621	0.0379	0.9621	0.9029	0.2760
splice-IE	0.9495	0.0505	0.9495	0.8664	0.3405
sport-articles	0.8300	0.1700	0.8300	0.6205	0.5925
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7949	0.2051	0.7949	0.1122	0.5971
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8850	0.0767	0.8850	0.8134	0.2520
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7179	0.2821	0.7179	0.2663	0.6615
steel-p	0.9128	0.0872	0.9128	0.0815	0.5290
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.6154	0.2564	0.6154	0.3868	0.5042
student-weekend	0.4000	0.2400	0.4000	0.0587	0.4764
student-workday	0.7031	0.1187	0.7031	0.0802	0.3332
susy10%	0.7394	0.2606	0.7394	0.4549	0.6001
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9800	0.0004	0.9997	1.0000	0.0046
swarm_grouped	0.9869	0.0000	1.0000	0.9991	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.6564
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9691	0.0056	0.9691	0.9659	0.0405
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8818	0.1182	0.8818	0.6446	0.4562
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8440	0.0951
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7467	0.2533	0.7467	0.1990	0.8161
trec11-wc	0.8293	0.0379	0.8293	0.7865	0.1657
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8745	0.1438
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9573	0.0337
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0891
trec45-wc	0.9565	0.0087	0.9565	0.9494	0.0366
tuandromd	0.9843	0.0157	0.9843	0.9507	0.1231
turkish	0.8750	0.0625	0.8750	0.8333	0.1618
tvnews	0.8020	0.1980	0.8020	0.5297	0.5382
urban	0.8507	0.0332	0.8507	0.8242	0.1240
vehicle	0.7738	0.1131	0.7738	0.6940	0.2372
vehicleVAN	0.9762	0.0238	0.9762	0.9365	0.1838
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5152	0.0882	0.5152	0.4667	0.2434
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9096	0.0904	0.9096	0.0112	0.2187
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8765	0.0353	0.8765	0.8555	0.1780
watch-gyr10%	0.8883	0.0319	0.8883	0.8696	0.1638
waveform	0.8060	0.1293	0.8060	0.7091	0.4101
web-phishing	0.8667	0.0889	0.8667	0.7632	0.3794
weight-lift	0.5233	0.1907	0.5233	0.3570	0.3048
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9793	0.0207	0.9793	0.7620	0.3176
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5975	0.1342	0.5975	0.3286	0.4072
winequality-white	0.4601	0.1543	0.4601	0.0435	0.4052
winnipeg	0.9861	0.0063	0.9538	0.9902	0.0488
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.4932	0.1014	0.4932	0.3585	0.3547
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9392	0.0608	0.9392	0.1527	0.6285
zip	0.8323	0.0335	0.8323	0.8111	0.1759
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 71: Detailed results for RSM

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1727	0.0571	0.1727	0.0737	0.3733
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	-0.0224	0.6102
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9573	0.0427	0.9573	0.8013	0.2025
adult	0.8372	0.1628	0.8372	0.4726	0.5924
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	-0.0071	0.5505
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9992	0.0008	0.9992	0.2855	0.0047
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9967	0.0033	0.9967	0.1108	0.0155
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.2496	0.3797
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.8000	0.2000	0.8000	0.4118	0.3750
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8923	0.1077	0.8923	0.6894	0.5231
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9663	0.0135	0.9663	0.9252	0.0382
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9666	0.0167	0.9666	0.9356	0.0679
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9430	0.0143	0.9430	0.9039	0.0753
anuran-species	0.9750	0.0050	0.9750	0.9651	0.0336
aps-failure	0.9867	0.0133	0.9867	0.4183	0.0907
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7111	0.0444	0.7111	0.4805	0.1412
auction	0.9657	0.0343	0.9657	0.8257	0.1098
audiology	0.7826	0.0181	0.7826	0.7484	0.0583
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6277	0.0621	0.6277	0.4426	0.1956
balance	0.7742	0.1505	0.7742	0.5737	0.3559
bank	0.9046	0.0954	0.9046	0.3512	0.5050
banknote	0.9708	0.0292	0.9708	0.9411	0.1781

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7880	0.2120	0.7880	0.4808	0.4959
basehock	0.9196	0.0804	0.9196	0.8393	0.3109
bio	0.9961	0.0039	0.9961	0.7280	0.1251
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9858	0.0010	0.9858	0.0000	0.0117
block10%	0.9997	0.0003	0.9997	0.9603	0.0018
block10%	0.9997	0.0003	0.9997	0.9603	0.0018
breast-cancer	0.8214	0.1786	0.8214	0.4615	0.3522
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9101	0.0899	0.9101	0.0258	0.2330
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.8046	0.0977	0.8046	0.4512	0.1865
card	0.8986	0.1014	0.8986	0.7888	0.4180
cardiotocography	0.7934	0.0413	0.7934	0.7472	0.1762
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7585	0.2130
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5626	0.3744
cas_N6512_cdk_ECFP2	0.5576	0.4424	0.5576	0.0445	0.5812
cdc_diabetes	0.8443	0.1038	0.8443	0.0323	0.1984
census10%	0.9445	0.0555	0.9445	0.1519	0.2367
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9302	0.0698	0.9302	0.3768	0.1761
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8386	0.0308
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.5980	0.6146
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6716	0.5255
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3579	0.7914
cirrhosis	0.6905	0.2063	0.6905	0.3531	0.4284
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7731	0.1134	0.7731	0.6228	0.2301
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5918	0.2721	0.5918	0.3493	0.6204
cnae-9	0.6667	0.0741	0.6667	0.6250	0.1513
codon_usage	0.6048	0.0719	0.6048	0.5089	0.2244
coil20	0.9375	0.0063	0.9375	0.9342	0.0198
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	-0.1299	0.9094
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.5862	0.4138	0.5862	0.0543	0.8679
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.7742	0.2258	0.7742	0.4694	0.7392
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9824	0.0117	0.9824	0.3661	0.0351
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0687	0.5852
coupon	0.7358	0.2642	0.7358	0.4414	0.7345
covtype	0.6526	0.0993	0.6526	0.3955	0.2839
covtypeCD	0.9851	0.0149	0.9851	0.9354	0.1366
covtypeT	0.9745	0.0255	0.9745	0.7816	0.2562
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8028	0.0657	0.8028	0.4995	0.2321
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1875	0.0406	0.1875	0.1771	0.1681
cyclopentane	0.5185	0.4815	0.5185	-0.0354	0.9518
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8140	0.1860	0.8140	0.3312	0.6542
deposit	0.8994	0.1006	0.8994	0.3979	0.5810
dermatology	0.9189	0.0270	0.9189	0.8991	0.0971
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0909	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5638	0.4362	0.5638	0.0945	0.8442
dropout	0.7156	0.1896	0.7156	0.5083	0.5154
drug-01	0.3989	0.1717	0.3989	0.0034	0.3276
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5372	0.1322	0.5372	0.0317	0.2952
drug-05	0.7287	0.0775	0.7287	-0.0081	0.2227
drug-06	0.4255	0.1641	0.4255	0.2537	0.3685
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5585	0.1261	0.5585	0.0214	0.2639
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6064	0.1125	0.6064	0.1857	0.3312
drug-14	0.5798	0.1201	0.5798	0.0425	0.2608
drug-15	0.7660	0.0669	0.7660	0.0515	0.1803
drug-16	0.5160	0.1383	0.5160	0.0017	0.3160
drug-17	0.3085	0.1976	0.3085	-0.0198	0.4122
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9148	0.0244	0.9148	0.8967	0.1245
ecoli	0.8235	0.0441	0.8235	0.7515	0.0998
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1740	0.1032	0.1740	0.0391	0.3812
eeg-eye	0.5594	0.4406	0.5594	0.0212	0.5164
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.1078	0.7097
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4444	0.4011
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.2439	0.6242
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7779	0.4525
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6164	0.1534	0.6164	0.4884	0.3178
euthyroid	0.9684	0.0316	0.9684	0.8043	0.2574
exon.vs.intron-freq	0.9404	0.0596	0.9404	0.8801	0.2865
fbis-wc	0.6057	0.0464	0.6057	0.5292	0.1992
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4737	0.2160
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.3950	0.0079	0.3950	0.3349	0.2610
forest	0.9038	0.0481	0.9038	0.8672	0.1099
gas	0.8253	0.0582	0.8253	0.7882	0.1363
gastrointestinal	0.7500	0.1667	0.7500	0.6235	0.2098
gender	0.5895	0.2737	0.5895	0.0000	0.3139
gene	0.9369	0.0421	0.9369	0.8982	0.1788
german	0.6600	0.3400	0.6600	0.0368	0.4706
gina	0.8300	0.1700	0.8300	0.6586	0.5642
glass	0.7143	0.0952	0.7143	0.6111	0.3023
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9524	0.0476	0.9524	0.8889	0.1675
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2727	0.5717
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.8683	0.0220	0.8683	0.8442	0.1265
har70	0.9206	0.0231	0.9122	0.8809	0.1207
harth10%	0.7834	0.0361	0.7834	0.6966	0.1671
hayes-roth	0.6875	0.2083	0.6875	0.4872	0.4474
hcc-survival	0.7647	0.2353	0.7647	0.5342	0.6845
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8068	0.1932	0.8068	0.6132	0.6141
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5519	0.4481	0.5519	0.0514	0.5878
higher	0.2857	0.1786	0.2857	0.1304	0.3591
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.8702	0.1298	0.8702	0.3554	0.3640
hiva	0.9574	0.0426	0.9574	0.1629	0.5802
horse	0.5556	0.2963	0.5556	0.1724	0.6630
htru2	0.9804	0.0196	0.9804	0.8746	0.1719
ht-sensor	0.7568	0.1621	0.7568	0.6405	0.3631
hypothyroid	0.9708	0.0146	0.9708	0.7958	0.0403
hypothyroidT	0.9469	0.0530	0.9469	0.4538	0.1442
ilpd	0.7288	0.2712	0.7288	0.0817	0.4230
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4929	0.0390	0.4929	0.4726	0.2059
jm1	0.8081	0.1919	0.8081	0.0428	0.4631
fvowels	0.7610	0.0531	0.7610	0.7259	0.1795
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1923	0.2395
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.4235	0.7319
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.4168	0.0648	0.4168	0.3292	0.4157
krvskp	0.9718	0.0282	0.9718	0.9435	0.1725
la1s-wc	0.7319	0.0900	0.7188	0.6717	0.3704
la2s-wc	0.7479	0.0791	0.7607	0.6799	0.3188
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6917	0.0517
led24	0.6500	0.0700	0.6500	0.6111	0.1692
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.6100	0.0300	0.6100	0.5950	0.2092
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8207	0.0519
linkage10%	0.9876	0.0000	1.0000	0.9774	0.0001
liver	0.6471	0.3529	0.6471	0.0049	0.8516
localization	0.4654	0.0972	0.4654	0.2385	0.3306
lrs	0.8113	0.0377	0.8113	0.7412	0.1410
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9139	0.1179
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.0587
madelon	0.5038	0.4962	0.5038	0.0077	0.7381
magic04	0.7454	0.2546	0.7454	0.3363	0.5043

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8438	0.1562	0.8438	0.6883	0.5624
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7525	0.1650	0.7525	0.6224	0.4466
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9217	0.0489
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0701
mfeat-fou	0.7450	0.0510	0.7450	0.7167	0.1741
mfeat-kar	0.8850	0.0230	0.8850	0.8722	0.1309
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2189
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0751
mfeat-zer	0.6450	0.0710	0.6450	0.6056	0.2143
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0120
mines	0.2353	0.3059	0.2353	0.0381	0.6434
mobile	0.4720	0.0189	0.4720	0.4624	0.1760
monks-1	0.7818	0.2182	0.7818	0.5600	0.4416
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.9107	0.0893	0.9107	0.8201	0.2901
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8879	0.1121	0.8879	0.3902	0.2492
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9796
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9046
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3607	0.8143
MUT_ci300400a	0.5965	0.4035	0.5965	0.0627	0.5618
MUT_ci300400a_cdk_ECFP2	0.5995	0.4005	0.5995	0.0484	0.5438
myocardial	0.8588	0.0353	0.8588	0.1827	0.1171
naticusdroid	0.9591	0.0409	0.9591	0.9182	0.2215
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9086	0.0098	0.8964	0.7051	0.2018
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	0.8502	0.1498	0.8502	0.0901	0.2953
nomao	0.9507	0.0493	0.9507	0.8781	0.2875
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0526	0.5265
nursery	0.9483	0.0207	0.9483	0.9234	0.0702
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9621	0.0379	0.9621	0.8915	0.2465
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.5545	0.0891	0.5545	0.4783	0.1996
oh10-wc	0.4571	0.1086	0.4571	0.3669	0.2811
oh15-wc	0.5652	0.0870	0.5652	0.4895	0.2266
oh5-wc	0.4945	0.1011	0.4945	0.4072	0.2591
opn310k	0.9105	0.0895	0.9105	0.0348	0.2390
opnat310k-hg16-17	0.9096	0.0904	0.9096	0.0214	0.2530
optdigits	0.9573	0.0085	0.9573	0.9525	0.0626
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.4500	0.0275	0.4500	0.4359	0.1930
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	-0.0224	0.6286
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9598	0.0161	0.9598	0.7386	0.1107

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.6250	0.3750	0.6250	0.0952	0.4945
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8894	0.1106	0.8894	0.7296	0.5125
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5722	0.4278	0.5722	-0.0164	0.6775
pd	0.8289	0.1711	0.8289	0.4583	0.5776
pediatric-leukemia	0.8529	0.0420	0.8529	0.8207	0.1395
pendigits	0.9818	0.0036	0.9818	0.9798	0.0273
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6319	0.5928
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7149	0.5330
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.6500	0.3500	0.6500	0.2553	0.8874
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.7796	0.2204	0.7796	0.3830	0.7108
phy	0.6340	0.3660	0.6340	0.2658	0.7676
pima	0.7105	0.2895	0.7105	0.3236	0.6563
plrx	0.6111	0.3889	0.6111	-0.1887	0.9536
poker	0.5099	0.0980	0.5099	0.0250	0.1780
polish-1st	0.9602	0.0398	0.9602	-0.0028	0.2829
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9561	0.0439	0.9561	0.3046	0.2166
polish-5th	0.9492	0.0508	0.9492	0.4436	0.3042
polya	0.6443	0.3557	0.6443	0.0111	0.5215
popularity	0.6313	0.2458	0.6313	0.0006	0.3069
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.6672	0.1331	0.6672	0.5832	0.2332
pred-tox_mutagen_ref-desc	0.5147	0.4853	0.5147	0.0294	0.7457
primary-tumor	0.4848	0.0468	0.4848	0.4138	0.1936
profb	0.7313	0.2687	0.7313	0.2299	0.4308
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9333	0.0267	0.9333	0.9095	0.0932
pufs-6410%	0.4977	0.5023	0.4977	-0.0048	0.9687
raisin	0.8556	0.1444	0.8556	0.7111	0.5296
re0-wc	0.4333	0.0872	0.4333	0.0753	0.2602
re1-wc	0.4578	0.0434	0.4578	0.3387	0.2246
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9975	0.0004	0.9975	0.9937	0.0038
satimage	0.8289	0.0570	0.8289	0.7879	0.2193
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.8974	0.1026	0.8974	-0.0031	0.3170
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6052	0.3948	0.6052	0.1241	0.5065
segment	0.9740	0.0074	0.9740	0.9696	0.0341
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-3-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-4-gram	0.8820	0.1370	0.8759	0.1351	0.6582
sensorless	0.8785	0.0221	0.8785	0.8663	0.0877
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8727	0.1273	0.8727	0.3239	0.4875
shuttle	0.9988	0.0003	0.9988	0.9966	0.0152
sick	0.9735	0.0265	0.9735	0.7484	0.2081
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9866	0.0134	0.9866	0.9586	0.0749
smk_can_187	0.5263	0.4737	0.5263	0.0552	0.9801
solar-flare	0.7554	0.0815	0.7554	0.6839	0.1883
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	1.0000	0.0000	1.0000	1.0000	0.0000
spambase	0.9283	0.0717	0.9283	0.8475	0.3225
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.9143	0.0857	0.9143	0.7961	0.4377
spectrometer	0.3019	0.0291	0.3019	0.2443	0.2097
splice-EI	0.9716	0.0284	0.9716	0.9238	0.1885
splice-IE	0.9464	0.0536	0.9464	0.8436	0.2649
sport-articles	0.8100	0.1900	0.8100	0.5992	0.6575
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7897	0.2103	0.7897	0.0275	0.4855
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8896	0.0736	0.8896	0.8206	0.2462
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6872	0.3128	0.6872	0.1448	0.5892
steel-p	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9104	0.1831
studentap	0.4615	0.3590	0.4615	0.1415	0.6862
student-weekend	0.4000	0.2400	0.4000	0.0782	0.4919
student-workday	0.7031	0.1187	0.7031	0.0515	0.2877
susy10%	0.7612	0.2388	0.7612	0.5133	0.7205
swarm_aligned	0.9846	0.0000	1.0000	0.9806	0.0000
swarm_flocking	0.9766	0.0004	1.0000	0.9902	0.0046
swarm_grouped	0.9897	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.4347
Tdp_desc	0.8611	0.1389	0.8611	0.4828	0.2958
texture	0.8855	0.0208	0.8855	0.8738	0.0963
theorem	0.9918	0.0082	0.9918	0.9832	0.0674
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.7474	0.2526	0.7474	0.3066	0.4230
tis	0.7539	0.2461	0.7539	0.0297	0.5084
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.5000	0.0779
tox_171	0.6471	0.1765	0.6471	0.5364	0.1960
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.6471	0.3529	0.6471	0.0893	0.8324
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7467	0.2533	0.7467	0.0777	0.7598
trec11-wc	0.7073	0.0650	0.7073	0.6186	0.2124
trec12-wc	0.7097	0.0726	0.7097	0.6324	0.1312

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5814	0.1876
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9571	0.0255
trec41-wc	0.7500	0.0500	0.7500	0.6839	0.1279
trec45-wc	0.7971	0.0406	0.7971	0.7570	0.1125
tuandromd	0.9843	0.0157	0.9843	0.9523	0.1738
turkish	0.7750	0.1125	0.7750	0.7000	0.2566
tvnews	0.8428	0.1572	0.8428	0.6434	0.5422
urban	0.8358	0.0365	0.8358	0.8072	0.1396
vehicle	0.8214	0.0893	0.8214	0.7560	0.2150
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.9302	0.0698	0.9302	0.8608	0.2605
vowel	0.3535	0.1175	0.3535	0.2889	0.2605
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9086	0.0914	0.9086	0.0008	0.2549
wap-wc	0.3141	0.0686	0.3141	0.1424	0.2945
warpar10p	0.6923	0.0615	0.6923	0.6533	0.1128
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8595	0.0401	0.8595	0.8353	0.1385
watch-gyr10%	0.8872	0.0322	0.8872	0.8682	0.1103
waveform	0.7280	0.1813	0.7280	0.5919	0.4255
web-phishing	0.8370	0.1086	0.8370	0.6940	0.2885
weight-lift	0.6540	0.1384	0.6540	0.5440	0.2820
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0255
wilt	0.9503	0.0497	0.9503	0.0000	0.1349
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.4843	0.1719	0.4843	0.1170	0.3330
winequality-white	0.4499	0.1572	0.4499	0.0109	0.3338
winnipeg	0.9862	0.0062	0.9964	0.9835	0.0494
yale	0.5625	0.0583	0.5625	0.5333	0.1071
yeast	0.4189	0.1162	0.4189	0.2631	0.3365
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7161	0.0568	0.7161	0.6807	0.2345
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 72: Detailed results for FilterBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1942	0.0556	0.1942	0.1029	0.3790
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9831	0.0169	0.9831	0.1265	0.1538
ads	0.9726	0.0274	0.9726	0.8808	0.2032
adult	0.8266	0.1734	0.8266	0.3690	0.4180
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.9079	0.1036	0.9020	-0.0277	0.6283
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7989	0.2100	0.8059	0.0087	0.7698
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6757	0.3243	0.6757	0.2975	0.8463
AID_602330	0.9660	0.0473	0.9552	-0.0093	0.4778
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8720	0.0945	0.8511	-0.0307	0.3725
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9471	0.0264	0.9471	0.8975	0.1007
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9249	0.0188	0.9249	0.8730	0.1081
anuran-species	0.9500	0.0100	0.9500	0.9302	0.1090
aps-failure	0.9859	0.0141	0.9859	0.5338	0.4372
arcene	0.8000	0.2000	0.8000	0.5833	0.6737
arrhythmia	0.7111	0.0444	0.7111	0.4913	0.2027
auction	0.9853	0.0147	0.9853	0.9328	0.1531
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6229	0.0628	0.6229	0.4502	0.2577
balance	0.8387	0.1075	0.8387	0.7135	0.2554
bank	0.9048	0.0952	0.9048	0.4745	0.6046
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8197	0.1929	0.8008	0.5284	0.4497
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9962	0.0038	0.9962	0.7340	0.1245
biodeg	0.8571	0.1429	0.8571	0.6986	0.5580
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9858	0.0010	0.9858	0.0000	0.0117
block10%	0.9977	0.0023	0.9977	0.7518	0.4851
block10%	0.9977	0.0023	0.9977	0.7518	0.4851
breast-cancer	0.7500	0.2500	0.7500	0.3636	0.7920
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9281	0.0909	0.9112	0.0301	0.2328
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9655	0.0172	0.9655	0.9282	0.1593
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8263	0.0347	0.8263	0.7906	0.1791
cardiotocography-nsp	0.9108	0.0595	0.9108	0.7488	0.3484
cargo2k	0.9949	0.0034	0.9949	0.9924	0.0181
cars	0.8250	0.1167	0.8250	0.6748	0.3514
cas_N6512_cdk_ECFP2	0.5530	0.4470	0.5530	0.0338	0.5825
cdc_diabetes	0.8430	0.1047	0.8430	0.1006	0.2966
census10%	0.9485	0.0515	0.9485	0.3122	0.3654
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6154	0.6415
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3303	0.8030
cirrhosis	0.7143	0.1905	0.7143	0.4028	0.3993
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8102	0.0949	0.8102	0.7012	0.3136
climate	0.9444	0.0556	0.9444	0.5424	0.5131
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5986	0.2676	0.5986	0.3767	0.6527
cnae-9	0.6296	0.0823	0.6296	0.5833	0.1664
codon_usage	0.6309	0.0671	0.6309	0.5433	0.2310
coil20	0.9861	0.0014	0.9861	0.9854	0.0100
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0387	0.9534
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.5862	0.4138	0.5862	0.0794	0.9150
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6552	0.3448	0.6552	0.2961	0.7083
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9822	0.0118	0.9822	0.3608	0.0355
cottonmeloidogyne	0.5865	0.4135	0.5865	0.1668	0.6450
coupon	0.6948	0.3052	0.6948	0.3677	0.8282
covtype	0.7032	0.0848	0.7032	0.5104	0.3440
covtypeCD	0.9737	0.0263	0.9737	0.8836	0.2062
covtypeT	0.9681	0.0319	0.9681	0.7156	0.2960
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.7963	0.0679	0.7963	0.5111	0.3273
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3600	0.1110
cyclopentane	0.7778	0.2222	0.7778	0.5574	0.6874
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.6923	0.3077	0.6923	-0.1304	0.5140
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8207	0.1757	0.8160	0.3875	0.6213
deposit	0.9000	0.1000	0.9000	0.3851	0.5633
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8167	0.1833	0.8167	0.6333	0.6009
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5833	0.4167	0.5833	0.0909	0.9325
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5500	0.4500	0.5500	0.0615	0.8182
dropout	0.7359	0.1761	0.7359	0.5413	0.4672
drug-01	0.4043	0.1702	0.4043	0.0154	0.3386
drug-02	0.5213	0.1368	0.5213	0.0248	0.2973
drug-03	0.6755	0.0927	0.6755	-0.0110	0.2895
drug-04	0.5266	0.1353	0.5266	0.0138	0.4340
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3989	0.1717	0.3989	0.2227	0.4079
drug-07	0.4309	0.1626	0.4309	0.0013	0.2674
drug-08	0.5585	0.1261	0.5585	0.0366	0.3049
drug-09	0.8617	0.0395	0.8617	-0.0064	0.2133
drug-10	0.5372	0.1322	0.5372	-0.0011	0.3380
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7863	0.0614	0.7762	-0.0071	0.2242
drug-13	0.5798	0.1201	0.5798	0.0052	0.2580
drug-14	0.6011	0.1140	0.6011	0.1277	0.2964
drug-15	0.7553	0.0699	0.7553	0.0246	0.2943
drug-16	0.5532	0.1277	0.5532	0.1919	0.4330
drug-17	0.3245	0.1930	0.3245	0.0000	0.3521
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7764	0.0647	0.7668	0.0160	0.1593
drybean	0.9199	0.0229	0.9199	0.9032	0.1358
ecoli	0.8824	0.0294	0.8824	0.8369	0.0987
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6341	0.5914
ecoliMU	0.8485	0.1515	0.8485	0.2029	0.6894
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1674	0.1041	0.1674	0.0304	0.3849
eeg-eye	0.5868	0.4132	0.5868	0.0901	0.5874
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.1333	0.8025
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5294	0.6440
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.6433	0.5283
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.7039	0.5412
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6438	0.1425	0.6438	0.5296	0.3164
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9340	0.0660	0.9340	0.8672	0.3112
fbis-wc	0.3943	0.0713	0.3943	0.2997	0.2746
fda.atompair_fp	0.6364	0.3636	0.6364	-0.1579	0.9308
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5455	0.1682
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.3851	0.0080	0.3851	0.3254	0.2957
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.7735	0.0755	0.7735	0.7261	0.2234
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5895	0.2737	0.5895	0.0078	0.3481
gene	0.9401	0.0400	0.9401	0.9042	0.1637
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.8559	0.1441	0.8559	0.7106	0.4925
glass	0.7619	0.0794	0.7619	0.6779	0.2008
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4444	0.1161
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3558	0.4888
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9140	0.0143	0.9140	0.8983	0.0951
har70	0.9223	0.0228	0.9008	0.8609	0.1196
harth10%	0.7354	0.0441	0.7354	0.6289	0.1833
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7945	0.2055	0.7945	0.5884	0.5956
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5393	0.4585	0.5468	0.0482	0.5864
higher	0.2857	0.1786	0.2857	0.1566	0.3021
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8769	0.1231	0.8769	0.4994	0.5865
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.5833	0.2778	0.5833	0.2384	0.6405
htru2	0.9929	0.0232	0.9691	0.8578	0.2435
ht-sensor	0.7299	0.1801	0.7299	0.6011	0.3842
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7119	0.2881	0.7119	0.0475	0.6485
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6919	0.0237	0.6919	0.6796	0.1508
jm1	0.8135	0.1947	0.7991	0.0444	0.4410
fvowels	0.7972	0.0451	0.7972	0.7705	0.2095
kc1	0.8532	0.1420	0.8706	0.2056	0.4917
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1466
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.5647	0.0484	0.5647	0.5132	0.4030
krvskp	0.9937	0.0063	0.9937	0.9874	0.0522
la1s-wc	0.7398	0.0885	0.7484	0.6561	0.3732
la2s-wc	0.7506	0.0783	0.7668	0.7057	0.3301
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7218	0.0539
led24	0.6000	0.0800	0.6000	0.5518	0.1834
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4915	0.0391	0.4915	0.4724	0.2751
leukemia	0.7143	0.1905	0.7143	0.5882	0.2985
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8889	0.0148	0.8889	0.8807	0.0408
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0001
liver	0.6765	0.3235	0.6765	0.1137	0.8220
localization	0.3596	0.1164	0.3596	0.0521	0.3363
lrs	0.8113	0.0377	0.8113	0.7389	0.1684
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5472	0.1046
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5231	0.4769	0.5231	0.0462	0.9809
magic04	0.7687	0.2207	0.7748	0.4348	0.5061

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6042	0.6575
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7525	0.1650	0.7525	0.6247	0.4372
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.8650	0.0270	0.8650	0.8500	0.0720
mfeat-fou	0.7150	0.0570	0.7150	0.6833	0.2113
mfeat-kar	0.5500	0.0900	0.5500	0.5000	0.2383
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.1989
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0759
mfeat-zer	0.5950	0.0810	0.5950	0.5500	0.2582
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4257
mobile	0.5140	0.0174	0.5140	0.5051	0.1845
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.9963	0.0037	0.9963	0.9926	0.0289
musk	0.8857	0.1116	0.8923	0.3762	0.2514
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9153
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.6965
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4373	0.7936
MUT_ci300400a	0.6190	0.3810	0.6190	0.1308	0.6717
MUT_ci300400a_cdk_ECFP2	0.5899	0.4101	0.5899	0.0200	0.5054
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9584	0.0416	0.9584	0.9168	0.2305
nci9	0.5000	0.1111	0.5000	0.4375	0.0440
ncRNA10%	0.8933	0.0099	0.9074	0.7373	0.2075
newspop	0.5363	0.4637	0.5363	0.0097	0.5553
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9446	0.0554	0.9446	0.8619	0.3039
NPHA-doctor-visits	0.4583	0.3611	0.4583	-0.0075	0.7383
nursery	0.9738	0.0105	0.9738	0.9615	0.0472
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9898	0.0102	0.9898	0.9715	0.1150
Occupancy_Estimation	0.9882	0.0059	0.9882	0.9641	0.0570
oh0-wc	0.5149	0.0970	0.5149	0.4218	0.2222
oh10-wc	0.4286	0.1143	0.4286	0.3318	0.2614
oh15-wc	0.3478	0.1304	0.3478	0.2287	0.2986
oh5-wc	0.5495	0.0901	0.5495	0.4739	0.2627
opn310k	0.8974	0.0877	0.9114	0.0348	0.2210
opnat310k-hg16-17	0.9156	0.0912	0.9023	0.0270	0.2510
optdigits	0.9164	0.0167	0.9164	0.9070	0.1099
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6500	0.0175	0.6500	0.6410	0.0771
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9289	0.0711	0.9289	0.1647	0.3724
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8369	0.1573

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8655	0.1176	0.8722	0.7213	0.5261
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.8553	0.1447	0.8553	0.5600	0.5340
pediatric-leukemia	0.7941	0.0588	0.7941	0.7463	0.1563
pendigits	0.9754	0.0049	0.9754	0.9727	0.0401
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6504	0.5924
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9081
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7621	0.4761
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3000	0.8743
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9510	0.0490	0.9510	0.8965	0.2569
phoneme	0.8167	0.1833	0.8167	0.5854	0.6449
phy	0.6506	0.3494	0.6506	0.3028	0.7986
pima	0.6711	0.3289	0.6711	0.2264	0.7388
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.5923	0.0815	0.5923	0.2305	0.2539
polish-1st	0.9600	0.0260	0.9782	0.5728	0.3862
polish-2nd	0.9695	0.0400	0.9616	0.0442	0.2426
polish-3rd	0.9668	0.0488	0.9324	-0.0018	0.2382
polish-4th	0.9760	0.0412	0.9611	0.4425	0.3678
polish-5th	0.9614	0.0455	0.9714	0.5154	0.2241
polya	0.6438	0.3522	0.6439	0.0095	0.5069
popularity	0.6378	0.2432	0.6271	0.0010	0.3129
post-operative	0.5556	0.2963	0.5556	0.0000	0.4796
postures	0.6905	0.1238	0.6905	0.6123	0.3085
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.8332
primary-tumor	0.4545	0.0496	0.4545	0.3832	0.2045
profb	0.6418	0.3582	0.6418	0.0025	0.8550
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9070	0.0372	0.9070	0.8736	0.1552
pufs-6410%	0.5055	0.5000	0.5030	-0.0008	0.9942
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.4400	0.0862	0.4400	0.0900	0.2541
re1-wc	0.5060	0.0395	0.5060	0.4030	0.1898
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9902	0.0016	0.9902	0.9753	0.0157
satimage	0.8678	0.0441	0.8678	0.8356	0.1792
satimageF	0.9829	0.0171	0.9829	0.9124	0.2280
satimageT	0.9269	0.0731	0.9269	0.5586	0.5400
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.3721	0.5239
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.9199	0.0639	0.9403	0.1482	0.4515
secondary_mushroom	0.6506	0.3494	0.6506	0.3429	0.5383
segment	0.9567	0.0124	0.9567	0.9494	0.0487
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	-0.0141	0.5085
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8624	0.1305	0.8710	0.0000	0.2714
sens-2-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8630	0.1421	0.8594	0.1286	0.6397
sensorless	0.9299	0.0127	0.9299	0.9229	0.0793
sepsis	0.9094	0.0897	0.9001	0.0031	0.2051
shoppers	0.8994	0.1006	0.8994	0.6075	0.5752
shuttle	0.9966	0.0010	0.9966	0.9903	0.0934
sick	0.9788	0.0212	0.9788	0.7987	0.0728
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9936	0.0064	0.9936	0.9807	0.0804
smk_can_187	0.7368	0.2632	0.7368	0.4633	0.6993
solar-flare	0.7410	0.0863	0.7410	0.6678	0.2281
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9283	0.0717	0.9283	0.8478	0.3283
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.3774	0.0259	0.3774	0.3324	0.1859
splice-EI	0.9653	0.0347	0.9653	0.9092	0.2535
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.8200	0.1800	0.8200	0.6139	0.6416
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.0749	0.3544
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8667	0.0889	0.8667	0.7832	0.2744
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6923	0.3077	0.6923	0.1624	0.5855
steel-p	0.9179	0.0821	0.9179	0.2948	0.5925
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.6154	0.2564	0.6154	0.3868	0.5042
student-weekend	0.3846	0.2462	0.3846	0.0222	0.4873
student-workday	0.7031	0.1187	0.7031	0.1072	0.3416
susy10%	0.7220	0.2778	0.7389	0.4369	0.6160
swarm_aligned	0.9888	0.0000	0.9875	0.9976	0.0000
swarm_flocking	0.9762	0.0004	0.9845	0.9825	0.0046
swarm_grouped	1.0000	0.0000	0.9975	0.9765	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7078
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9400	0.0109	0.9400	0.9339	0.0737
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8781	0.1219	0.8781	0.6534	0.5344
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.8824	0.0588	0.8824	0.8426	0.1404
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7467	0.2533	0.7467	0.1990	0.8161
trec11-wc	0.7805	0.0488	0.7805	0.7254	0.1801
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9355	0.0184	0.9355	0.9151	0.0772
trec41-wc	0.7841	0.0432	0.7841	0.7291	0.0990
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0493
tuandromd	0.9753	0.0247	0.9753	0.9225	0.1889
turkish	0.8500	0.0750	0.8500	0.8000	0.2093
tvnews	0.7876	0.2124	0.7876	0.4901	0.5492
urban	0.8358	0.0365	0.8358	0.8067	0.1308
vehicle	0.7738	0.1131	0.7738	0.6958	0.2059
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.9070	0.0930	0.9070	0.8143	0.3926
vowel	0.3939	0.1102	0.3939	0.3333	0.2821
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.9086	0.0914	0.9086	0.0008	0.2549
wap-wc	0.3333	0.0667	0.3333	0.1702	0.2828
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.7658	0.0669	0.7658	0.7256	0.2341
watch-gyr10%	0.7329	0.0763	0.7329	0.6878	0.2721
waveform	0.7800	0.1467	0.7800	0.6702	0.4245
web-phishing	0.8519	0.0988	0.8519	0.7376	0.4100
weight-lift	0.6701	0.1320	0.6701	0.5860	0.2486
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9834	0.0166	0.9834	0.8246	0.3329
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6038	0.1321	0.6038	0.3357	0.3508
winequality-white	0.4438	0.1589	0.4438	0.0107	0.3938
winnipeg	0.9563	0.0061	0.9608	0.9682	0.0492
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.4865	0.1027	0.4865	0.3478	0.3387
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.7677	0.0465	0.7677	0.7390	0.1832
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 73: Detailed results for M-AdaBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1574	0.0570	0.1588	0.0764	0.5092
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9803	0.0197	0.9803	0.1064	0.4561
ads	0.9817	0.0183	0.9817	0.9227	0.1725
adult	0.8620	0.1380	0.8620	0.5750	0.5573
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7524	0.2476	0.7524	0.0007	0.8426
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.3079	0.8408
AID_602330	0.9375	0.0625	0.9375	-0.0286	0.6474
AID604	0.9978	0.0022	0.9978	0.5873	0.1932
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8788	0.0808	0.8788	0.0660	0.1584
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.4444	0.5556	0.4444	-0.3636	0.8576
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9935	0.0065	0.9935	0.0912	0.3851
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9761	0.0302
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9847	0.0038	0.9847	0.9748	0.0628
anuran-species	0.9889	0.0022	0.9889	0.9845	0.0166
aps-failure	0.9908	0.0092	0.9908	0.6885	0.2546
arcene	0.8000	0.2000	0.8000	0.5833	0.6737
arrhythmia	0.7333	0.0410	0.7333	0.5526	0.2557
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8623	0.0107	0.8627	0.8520	0.0221
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8725	0.0212	0.8725	0.8283	0.0618
balance	0.8548	0.0968	0.8548	0.7535	0.2743
bank	0.9121	0.0879	0.9121	0.4915	0.5614
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8594	0.1406	0.8594	0.6764	0.4698
basehock	0.9899	0.0100	0.9899	0.9799	0.0768
bio	0.9966	0.0034	0.9966	0.7690	0.1206
biodeg	0.8571	0.1429	0.8571	0.6927	0.5498
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9904	0.0008	0.9844	0.4194	0.1868
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.4096	0.7758
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.6000	0.1143	0.6000	0.4595	0.2016
bub10at310k-hg16-17	0.9163	0.0837	0.9163	0.1909	0.3707
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.8545	0.0291	0.8545	0.8250	0.1656
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8066	0.3083
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7760	0.2195
cas_N6512_cdk_ECFP2	0.6713	0.3287	0.6713	0.3197	0.8028
cdc_diabetes	0.8458	0.1028	0.8458	0.2130	0.3598
census10%	0.9472	0.0528	0.9472	0.3361	0.4469
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9419	0.0581	0.9419	0.5147	0.5542
cervical-C	0.9070	0.0930	0.9070	-0.0456	0.6842
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.6250	0.3750	0.6250	0.1429	0.8433
chrom19	0.9997	0.0003	0.9997	0.8089	0.2804
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2174	0.8234
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6716	0.5255
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.9455	0.0545	0.9455	0.8809	0.2806
ci900367j_MACCS	0.7474	0.2526	0.7474	0.4514	0.7651
cirrhosis	0.7143	0.1905	0.7143	0.4233	0.4950
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8435	0.0782	0.8435	0.7589	0.3520
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9200	0.0800	0.9200	0.3103	0.1938
cmc	0.5578	0.2948	0.5578	0.2997	0.6889
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0523
codon_usage	0.9064	0.0170	0.9064	0.8860	0.1351
coil20	0.9792	0.0021	0.9792	0.9781	0.0147
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2714	0.8634
colposcopies-2	0.5517	0.4483	0.5517	-0.0053	0.9756
colposcopies-3	0.5172	0.4828	0.5172	-0.0201	0.9934
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.3095	0.8747
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne	0.6418	0.3582	0.6418	0.2805	0.7996
coupon	0.7066	0.2934	0.7066	0.3972	0.8159
covtype	0.7269	0.0780	0.7269	0.5539	0.3130
covtypeCD	0.9722	0.0278	0.9722	0.8802	0.2576
covtypeT	0.9725	0.0275	0.9725	0.7822	0.3633
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3878	0.5671
crowdsourced	0.9115	0.0295	0.9115	0.8122	0.1928
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.0312	0.0484	0.0312	0.0000	0.4005
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7778	0.2222	0.7778	0.5352	0.6921
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.8247	0.1753	0.8247	0.3836	0.6372
deposit	0.8945	0.1055	0.8945	0.3946	0.6173
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3514	0.4141
dexter	0.9333	0.0667	0.9333	0.8667	0.3124
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5255	0.3163	0.5255	0.0261	0.6147
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5417	0.4583	0.5417	0.0704	0.9669
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5615	0.4385	0.5615	0.1181	0.9605
dropout	0.7111	0.1926	0.7111	0.5214	0.5665
drug-01	0.3511	0.1854	0.3511	0.0181	0.6984
drug-02	0.4681	0.1520	0.4681	0.1177	0.6557
drug-03	0.6330	0.1049	0.6330	0.0433	0.5216
drug-04	0.4681	0.1520	0.4681	0.0906	0.7316
drug-05	0.7128	0.0821	0.7128	0.0213	0.4388
drug-06	0.2819	0.2052	0.2819	0.1236	0.6852
drug-07	0.3298	0.1915	0.3298	-0.0858	0.5039
drug-08	0.4947	0.1444	0.4947	0.0747	0.6016
drug-09	0.8404	0.0456	0.8404	-0.0313	0.3668
drug-10	0.5106	0.1398	0.5106	0.1027	0.5589
drug-11	0.8245	0.0502	0.8245	0.0856	0.4868
drug-12	0.7234	0.0790	0.7234	-0.0413	0.5075
drug-13	0.5798	0.1201	0.5798	0.2106	0.5594
drug-14	0.5479	0.1292	0.5479	0.1823	0.6163
drug-15	0.7340	0.0760	0.7340	0.0762	0.6013
drug-16	0.5160	0.1383	0.5160	0.1959	0.5883
drug-17	0.2926	0.2021	0.2926	0.0945	0.7763
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7287	0.0775	0.7287	0.0828	0.4941
drybean	0.9148	0.0244	0.9148	0.8969	0.1312
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.3604	0.0799	0.3604	0.2821	0.5728
eeg-eye	0.6101	0.3899	0.6101	0.1498	0.6538
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2417	0.8950
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6169	0.5922
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.5734	0.4552
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.5787	0.6067
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6575	0.1370	0.6575	0.5608	0.3692
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9251	0.0749	0.9251	0.8493	0.3478
fbis-wc	0.8496	0.0177	0.8496	0.8287	0.1000
fda.atompair_fp	0.6818	0.3182	0.6818	0.1538	0.8802
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6815	0.1602
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.6399	0.0047	0.6399	0.6210	0.2940
forest	0.8846	0.0577	0.8846	0.8405	0.1475
gas	0.9942	0.0019	0.9942	0.9930	0.0138
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5621	0.2919	0.5621	-0.0240	0.5808
gene	0.9306	0.0463	0.9306	0.8895	0.1991
german	0.6600	0.3400	0.6600	0.1260	0.8246
gina	0.8300	0.1700	0.8300	0.6595	0.6028
glass	0.7143	0.0952	0.7143	0.6038	0.3118
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9524	0.0476	0.9524	0.8889	0.1675
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.6875	0.1437
glioma-grade	0.8095	0.1905	0.8095	0.6082	0.6527
green	0.9000	0.1000	0.9000	0.7826	0.4011
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4512	0.3440
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9634	0.0061	0.9634	0.9568	0.0513
har70	0.8810	0.0340	0.8810	0.8279	0.1573
harth10%	0.8571	0.0238	0.8571	0.8040	0.1608
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.0916	0.9258
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.9333	0.0667	0.9333	0.8148	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7944	0.2056	0.7944	0.5881	0.5860
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5497	0.4503	0.5497	0.0466	0.5863
higher	0.2857	0.1786	0.2857	0.1358	0.2870
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9039	0.0961	0.9039	0.6261	0.5074
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6944	0.2037	0.6944	0.4598	0.5123
htru2	0.9782	0.0218	0.9782	0.8658	0.2595
ht-sensor	0.7719	0.1520	0.7719	0.6593	0.4052
hypothyroid	0.9973	0.0013	0.9973	0.9840	0.0048
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7288	0.2712	0.7288	0.2613	0.8145
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9140	0.0066	0.9140	0.9106	0.0741
jm1	0.8072	0.1928	0.8072	0.1197	0.6323
jvowels	0.9849	0.0033	0.9849	0.9829	0.0255
kc1	0.8626	0.1374	0.8626	0.3408	0.6188
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5621	0.0360	0.5604	0.2506	0.2135
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9362	0.0071	0.9362	0.9288	0.0858
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8635	0.0455	0.8635	0.8277	0.2257
la2s-wc	0.8543	0.0486	0.8543	0.8159	0.2389
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.6713	0.0166	0.6911	0.6615	0.0622
led24	0.5500	0.0900	0.5500	0.4972	0.2187
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9590	0.0032	0.9590	0.9573	0.0464
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8212	0.0640
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.5573	0.0805	0.5573	0.4078	0.3785
lrs	0.8113	0.0377	0.8113	0.7387	0.1230
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9048	0.0381	0.9048	0.7971	0.0831
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1791
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5000	0.1688
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.5556	0.0988	0.5556	0.2941	0.1824
madelon	0.5192	0.4808	0.5192	0.0385	0.9848
magic04	0.7664	0.2336	0.7664	0.4076	0.5449

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5670	0.6511
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7446	0.3750
messidor	0.6522	0.3478	0.6522	0.3020	0.8713
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	0.8889	0.0741	0.8889	0.8333	0.1548
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0388
mfeat-fou	0.8050	0.0390	0.8050	0.7833	0.1531
mfeat-kar	0.9600	0.0080	0.9600	0.9556	0.0478
mfeat-mor	0.7250	0.0550	0.7250	0.6944	0.1780
mfeat-pix	0.9850	0.0030	0.9850	0.9833	0.0187
mfeat-zer	0.8050	0.0390	0.8050	0.7833	0.1135
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4904
mobile	0.9231	0.0027	0.9231	0.9217	0.0359
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9290	0.2027
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9712	0.0288	0.9712	0.8818	0.1353
mutagen_class_1	0.3971	0.6029	0.3971	-0.2059	1.0000
mutagen_class_2	0.4706	0.5294	0.4706	-0.0588	0.8605
mutagen_class_3	0.4783	0.5217	0.4783	-0.0437	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6623
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4631	0.7463
MUT_ci300400a	0.6604	0.3396	0.6604	0.2434	0.7161
MUT_ci300400a_cdk_ECFP2	0.6954	0.3046	0.6954	0.3265	0.7392
myocardial	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid	0.9683	0.0317	0.9683	0.9366	0.1892
nci9	0.1667	0.1852	0.1667	0.0000	0.3342
ncRNA10%	0.9146	0.0090	0.9146	0.7502	0.3143
newspop	0.5313	0.4687	0.5313	-0.0004	0.6093
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9364	0.0636	0.9364	0.8455	0.3590
NPHA-doctor-visits	0.5000	0.3333	0.5000	0.1562	0.7610
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8911	0.0218	0.8911	0.8748	0.1050
oh10-wc	0.7810	0.0438	0.7810	0.7488	0.1951
oh15-wc	0.8370	0.0326	0.8370	0.8149	0.1554
oh5-wc	0.8242	0.0352	0.8242	0.8007	0.1536
opn310k	0.9160	0.0840	0.9160	0.1813	0.3608
opnat310k-hg16-17	0.9187	0.0813	0.9187	0.2332	0.3715
optdigits	0.9715	0.0057	0.9715	0.9683	0.0393
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.0250	0.0488	0.0250	0.0000	0.4257
orlraws10P	0.1000	0.1800	0.1000	0.0000	0.4073
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9209	0.0791	0.9209	0.1984	0.5790
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8674	0.1949

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8754	0.1246	0.8754	0.6891	0.5465
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.3909	0.6055
pcmac	0.4845	0.5155	0.4845	-0.0825	1.0000
pd	0.9079	0.0921	0.9079	0.7500	0.4624
pediatric-leukemia	0.8529	0.0420	0.8529	0.8186	0.1230
pendigits	0.9945	0.0011	0.9945	0.9939	0.0105
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4697	0.7432
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8626
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6508	0.6109
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3000	0.8743
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.7944	0.2056	0.7944	0.5402	0.6760
phy	0.6284	0.3716	0.6284	0.2547	0.7951
pima	0.6184	0.3816	0.6184	0.1873	0.9192
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.9663	0.0067	0.9663	0.9397	0.0711
polish-1st	0.9687	0.0313	0.9687	0.4079	0.3749
polish-2nd	0.9538	0.0462	0.9538	0.0268	0.5383
polish-3rd	0.9457	0.0543	0.9457	0.0492	0.5347
polish-4th	0.9398	0.0602	0.9398	0.2761	0.6074
polish-5th	0.9509	0.0491	0.9509	0.5298	0.4326
polya	0.6768	0.3232	0.6768	0.1694	0.7450
popularity	0.6295	0.2470	0.6295	0.0087	0.3923
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9868	0.0053	0.9868	0.9835	0.0328
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.4545	0.0496	0.4545	0.3895	0.2320
profb	0.6716	0.3284	0.6716	0.2725	0.8623
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7143	0.2857	0.7143	0.3913	0.7630
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9804	0.0078	0.9804	0.9738	0.0500
pufs-6410%	0.5006	0.4994	0.5006	0.0012	0.9996
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.8667	0.0205	0.8667	0.8264	0.1771
re1-wc	0.8614	0.0111	0.8614	0.8421	0.1205
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5791	0.4209	0.5791	-0.0102	0.7625
RT_IOT2022	0.9991	0.0001	0.9991	0.9978	0.0020
satimage	0.9020	0.0327	0.9020	0.8791	0.1571
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9051	0.0949	0.9051	0.5592	0.6055
scadi	0.5714	0.1224	0.5714	0.4474	0.2036
schiller	1.0000	0.0000	1.0000	1.0000	0.0000
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9167	0.0833	0.9167	0.1927	0.6604
secondary_mushroom	0.7575	0.2425	0.7575	0.5329	0.5260
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	-0.0141	0.5085
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.1440	0.6038
sens-2-gram	0.8474	0.1526	0.8474	0.1041	0.7176
sens-3-gram	0.8474	0.1526	0.8474	0.0384	0.6992
sens-4-gram	0.8526	0.1474	0.8526	0.1350	0.7006
sensorless	0.9986	0.0002	0.9986	0.9985	0.0031
sepsis	0.9094	0.0906	0.9094	0.0029	0.2172
shoppers	0.8719	0.1281	0.8719	0.4000	0.6072
shuttle	0.9995	0.0001	0.9995	0.9985	0.0468
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9988	0.0088
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7410	0.0863	0.7410	0.6685	0.2316
sonar	0.5500	0.4500	0.5500	0.1000	0.9473
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9239	0.0761	0.9239	0.8395	0.3571
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5941	0.0161	0.5916	0.5735	0.0960
splice-EI	0.9716	0.0284	0.9716	0.9269	0.2290
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.7800	0.2200	0.7800	0.5228	0.7157
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7692	0.2308	0.7692	0.1628	0.7980
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8853	0.0765	0.8853	0.8137	0.2632
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7333	0.2667	0.7333	0.3699	0.7789
steel-p	0.9128	0.0872	0.9128	0.3253	0.6351
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	1.0000	0.0000	1.0000	1.0000	0.0000
studentap	0.3846	0.4103	0.3846	0.0545	0.8268
student-weekend	0.3692	0.2523	0.3692	0.1216	0.6548
student-workday	0.6094	0.1562	0.6094	0.0649	0.3617
susy10%	0.7581	0.2419	0.7581	0.5073	0.7272
swarm_aligned	1.0000	0.0000	0.9889	0.9829	0.0000
swarm_flocking	0.9870	0.0004	1.0000	0.9900	0.0048
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6480
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9873	0.0023	0.9873	0.9860	0.0197
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.1671	0.6222
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8676	0.1324	0.8676	0.6245	0.5676
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1603
tox_171	0.6471	0.1765	0.6471	0.5342	0.2560
toxicity	0.7059	0.2941	0.7059	0.2056	0.4505
toxicity-13f	0.7059	0.2941	0.7059	0.3796	0.8113
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.8780	0.0271	0.8780	0.8513	0.1049
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9395	0.0867
trec23-wc	0.9048	0.0317	0.9048	0.8704	0.0909
trec31-wc	0.9785	0.0061	0.9785	0.9714	0.0109
trec41-wc	0.9659	0.0068	0.9659	0.9583	0.0355
trec45-wc	0.9420	0.0116	0.9420	0.9324	0.0384
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8250	0.0875	0.8250	0.7667	0.2413
tvnews	0.8058	0.1942	0.8058	0.5481	0.5898
urban	0.8358	0.0365	0.8358	0.8073	0.1452
vehicle	0.7500	0.1250	0.7500	0.6631	0.1887
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5758	0.0771	0.5758	0.5333	0.2184
vowelZ	0.9192	0.0808	0.9192	0.1852	0.1938
vrnormat310k-hg16-17	0.9087	0.0913	0.9087	0.0077	0.2713
wap-wc	0.8333	0.0167	0.8333	0.8128	0.1065
warpar10p	0.6923	0.0615	0.6923	0.6556	0.1091
warppiel0p	0.9048	0.0190	0.9048	0.8937	0.0441
watch-acc10%	0.9446	0.0158	0.9446	0.9352	0.0389
watch-gyr10%	0.9487	0.0147	0.9487	0.9400	0.0352
waveform	0.7460	0.1693	0.7460	0.6191	0.4953
web-phishing	0.8667	0.0889	0.8667	0.7656	0.4002
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0018
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9793	0.0207	0.9793	0.7808	0.3809
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5849	0.1384	0.5849	0.3219	0.3705
winequality-white	0.5194	0.1373	0.5194	0.1884	0.4392
winnipeg	0.9909	0.0026	0.9909	0.9885	0.0261
yale	0.5000	0.0667	0.5000	0.4667	0.1274
yeast	0.5473	0.0905	0.5473	0.4138	0.3925
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.9484	0.0103	0.9484	0.9422	0.0824
zoo	0.6000	0.1143	0.6000	0.5122	0.1048



Table 74: Detailed results for M-AdaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1602	0.0575	0.1572	0.0744	0.4983
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9794	0.0206	0.9794	0.1007	0.4986
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8640	0.1360	0.8640	0.5807	0.5489
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7810	0.2190	0.7810	0.0458	0.8007
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7027	0.2973	0.7027	0.4144	0.7713
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9981	0.0019	0.9981	0.6392	0.0095
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9938	0.0062	0.9938	0.2105	0.4014
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9761	0.0329
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9861	0.0035	0.9861	0.9772	0.0852
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0190
aps-failure	0.9903	0.0097	0.9903	0.6620	0.2480
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7778	0.0342	0.7778	0.6256	0.1737
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8597	0.0111	0.8749	0.8714	0.0222
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8693	0.0386
avila	0.8816	0.0197	0.8816	0.8424	0.0824
balance	0.8226	0.1183	0.8226	0.6892	0.4077
bank	0.9116	0.0884	0.9116	0.5200	0.5828
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8664	0.1336	0.8664	0.6946	0.4673
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9965	0.0035	0.9965	0.7654	0.1393
biodeg	0.8762	0.1238	0.8762	0.7388	0.5111
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9698	0.0008	0.9902	0.4197	0.1819
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.6364	0.3636	0.6364	0.2667	0.8952
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0635
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9162	0.0838	0.9162	0.1881	0.3684
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6578	0.5785
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.8451	0.0310	0.8451	0.8138	0.1853
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7577	0.3195
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.3189
cas_N6512_cdk_ECFP2	0.6651	0.3349	0.6651	0.3104	0.8319
cdc_diabetes	0.8464	0.1024	0.8464	0.2309	0.4176
census10%	0.9449	0.0551	0.9449	0.3477	0.5113
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8283	0.2569
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.9273	0.0727	0.9273	0.8394	0.3291
ci900367j_MACCS	0.7684	0.2316	0.7684	0.5026	0.7332
cirrhosis	0.7857	0.1429	0.7857	0.5714	0.4253
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8278	0.0861	0.8278	0.7319	0.3799
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5646	0.2902	0.5646	0.3138	0.6891
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0714
codon_usage	0.8580	0.0258	0.8580	0.8266	0.1858
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3895	0.8063
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6897	0.3103	0.6897	0.3524	0.8399
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.2750	0.7711
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne	0.6683	0.3317	0.6683	0.3338	0.7675
coupon	0.7248	0.2752	0.7248	0.4341	0.7906
covtype	0.7283	0.0776	0.7283	0.5541	0.3569
covtypeCD	0.9786	0.0214	0.9786	0.9076	0.2001
covtypeT	0.9803	0.0197	0.9803	0.8410	0.2634
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2129	0.7253
crowdsourced	0.8949	0.0350	0.8949	0.7754	0.2262
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.5312	0.0234	0.5312	0.5171	0.0747
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.7407	0.2593	0.7407	0.4449	0.7087
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8223	0.1777	0.8223	0.3741	0.6434
deposit	0.8980	0.1020	0.8980	0.3888	0.5865
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6313	0.5933
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5206	0.3196	0.5206	0.0393	0.6788
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	-0.0286	0.9973
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5697	0.4303	0.5697	0.1333	0.9540
dropout	0.6975	0.2017	0.6975	0.4894	0.5636
drug-01	0.3830	0.1763	0.3830	0.0810	0.7035
drug-02	0.4734	0.1505	0.4734	0.1040	0.7281
drug-03	0.6543	0.0988	0.6543	-0.0007	0.4539
drug-04	0.5053	0.1413	0.5053	0.1418	0.6707
drug-05	0.6915	0.0881	0.6915	-0.0012	0.4095
drug-06	0.3457	0.1869	0.3457	0.1906	0.6617
drug-07	0.3936	0.1733	0.3936	0.0057	0.5090
drug-08	0.5000	0.1429	0.5000	0.0910	0.6360
drug-09	0.8457	0.0441	0.8457	0.0299	0.3423
drug-10	0.5532	0.1277	0.5532	0.2142	0.5794
drug-11	0.8298	0.0486	0.8298	0.0722	0.4598
drug-12	0.7500	0.0714	0.7500	-0.0148	0.5019
drug-13	0.5957	0.1155	0.5957	0.2751	0.4809
drug-14	0.5479	0.1292	0.5479	0.1888	0.5520
drug-15	0.7074	0.0836	0.7074	0.0573	0.6319
drug-16	0.5691	0.1231	0.5691	0.2870	0.5424
drug-17	0.2766	0.2067	0.2766	0.0459	0.7692
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.1230	0.4073
drybean	0.9199	0.0229	0.9199	0.9031	0.1269
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2878	0.0890	0.2878	0.1898	0.5876
eeg-eye	0.6128	0.3872	0.6128	0.1574	0.6719
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4444	0.7681
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5635	0.5790
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7285	0.5172
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6164	0.1534	0.6164	0.5137	0.4207
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9377	0.0623	0.9377	0.8750	0.3123
fbis-wc	0.8496	0.0177	0.8496	0.8285	0.1023
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5666	0.1209
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4888	0.0066	0.4859	0.4526	0.2873
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9957	0.0014	0.9957	0.9948	0.0106
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.4081
gender	0.5705	0.2863	0.5705	0.0098	0.6023
gene	0.9401	0.0400	0.9401	0.9044	0.1817
german	0.6800	0.3200	0.6800	0.1899	0.8053
gina	0.8559	0.1441	0.8559	0.7116	0.5461
glass	0.8571	0.0476	0.8571	0.8025	0.1487
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6311	0.6282
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4545	0.4004
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9744	0.0043	0.9744	0.9697	0.0277
har70	0.9178	0.0235	0.9120	0.8874	0.1195
harth10%	0.8492	0.0251	0.8492	0.7928	0.2116
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.4706	0.5294	0.4706	-0.1168	1.0000
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.9333	0.0667	0.9333	0.8649	0.2404
hepatitis	0.9333	0.0667	0.9333	0.8148	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7886	0.2114	0.7886	0.5764	0.5948
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5505	0.4495	0.5505	0.0484	0.5870
higher	0.2857	0.1786	0.2857	0.1463	0.2981
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9292	0.0708	0.9292	0.7257	0.3899
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6389	0.2407	0.6389	0.3473	0.5580
htru2	0.9765	0.0235	0.9765	0.8526	0.2515
ht-sensor	0.7641	0.1573	0.7641	0.6481	0.4042
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.2324	0.6991
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9255	0.0057	0.9255	0.9226	0.0655
jm1	0.8118	0.1882	0.8118	0.1473	0.6182
fvowels	0.9438	0.0125	0.9438	0.9363	0.0797
kc1	0.8673	0.1327	0.8673	0.3734	0.6083
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5808	0.0350	0.5713	0.2455	0.2176
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.3440	0.7669
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9251	0.0083	0.9251	0.9164	0.1090
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8889	0.0370	0.8889	0.8592	0.1802
la2s-wc	0.8974	0.0342	0.8974	0.8703	0.1881
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6848	0.0165	0.6933	0.6526	0.0636
led24	0.6500	0.0700	0.6500	0.6034	0.1499
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9290	0.0055	0.9290	0.9261	0.0818
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8212	0.0634
linkage10%	1.0000	0.0000	1.0000	0.9976	0.0001
liver	0.6176	0.3824	0.6176	0.1845	0.8870
localization	0.4880	0.0931	0.4880	0.2814	0.4463
lrs	0.8679	0.0264	0.8679	0.8158	0.1005
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5346	0.4654	0.5346	0.0692	0.9746
magic04	0.7933	0.2067	0.7933	0.4943	0.5753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6274	0.6117
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7603	0.3593
messidor	0.6783	0.3217	0.6783	0.3645	0.8185
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9850	0.0030	0.9850	0.9833	0.0189
mfeat-fou	0.8150	0.0370	0.8150	0.7944	0.1632
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0573
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2158
mfeat-pix	0.9850	0.0030	0.9850	0.9833	0.0189
mfeat-zer	0.7700	0.0460	0.7700	0.7444	0.1501
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3717	0.4904
mobile	0.9301	0.0025	0.9301	0.9288	0.0325
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9788	0.0212	0.9788	0.9140	0.0785
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9717
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.8305
mutagen_class_3	0.4928	0.5072	0.4928	-0.0281	0.7548
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7157
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2659	0.8890
MUT_ci300400a	0.6704	0.3296	0.6704	0.2664	0.6946
MUT_ci300400a_cdk_ECFP2	0.7026	0.2974	0.7026	0.3509	0.7640
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9686	0.0314	0.9686	0.9373	0.1878
nci9	0.8333	0.0370	0.8333	0.8000	0.0440
ncRNA10%	0.9087	0.0096	0.9087	0.7325	0.5535
newspop	0.5280	0.4720	0.5280	-0.0070	0.6389
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9440	0.0560	0.9440	0.8614	0.3151
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0833	0.7863
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9782	0.0889
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.9406	0.0119	0.9406	0.9320	0.0620
oh10-wc	0.7619	0.0476	0.7619	0.7270	0.2130
oh15-wc	0.8804	0.0239	0.8804	0.8636	0.1078
oh5-wc	0.8352	0.0330	0.8352	0.8132	0.1482
opn310k	0.9169	0.0831	0.9169	0.1903	0.3473
opnat310k-hg16-17	0.9172	0.0828	0.9172	0.2083	0.3732
optdigits	0.9769	0.0046	0.9769	0.9743	0.0313
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.8250	0.0088	0.8250	0.8205	0.0323
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9066	0.1125

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8788	0.1212	0.8788	0.6918	0.5284
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.4299	0.5443
pcmac	0.4588	0.5412	0.4588	-0.1265	1.0000
pd	0.8947	0.1053	0.8947	0.7193	0.5115
pediatric-leukemia	0.8824	0.0336	0.8824	0.8553	0.0949
pendigits	0.9936	0.0013	0.9936	0.9929	0.0113
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4657	0.7415
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9269
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6987	0.5557
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9837	0.0163	0.9837	0.9656	0.1063
phoneme	0.7963	0.2037	0.7963	0.5211	0.7035
phy	0.6274	0.3726	0.6274	0.2526	0.7889
pima	0.6711	0.3289	0.6711	0.2825	0.8593
plx	0.4444	0.5556	0.4444	-0.2329	0.9308
poker	0.9523	0.0095	0.9523	0.9142	0.0939
polish-1st	0.9659	0.0341	0.9659	0.3203	0.3911
polish-2nd	0.9538	0.0462	0.9538	0.0625	0.5510
polish-3rd	0.9495	0.0505	0.9495	0.0592	0.4351
polish-4th	0.9531	0.0469	0.9531	0.3886	0.4891
polish-5th	0.9492	0.0508	0.9492	0.5067	0.4391
polya	0.6681	0.3319	0.6681	0.1499	0.7738
popularity	0.6290	0.2473	0.6290	0.0048	0.3969
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.9547	0.0181	0.9547	0.9433	0.0907
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3636	0.0579	0.3636	0.3007	0.2282
profb	0.7164	0.2836	0.7164	0.3002	0.8142
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9635	0.0146	0.9635	0.9509	0.0726
pufs-6410%	0.4944	0.5056	0.4944	-0.0113	1.0000
raisin	0.8333	0.1667	0.8333	0.6667	0.5921
re0-wc	0.8533	0.0226	0.8533	0.8086	0.1550
re1-wc	0.8253	0.0140	0.8253	0.7998	0.1186
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5820	0.4180	0.5820	-0.0045	0.7472
RT_IOT2022	0.9992	0.0001	0.9992	0.9980	0.0014
satimage	0.8663	0.0446	0.8663	0.8352	0.1998
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9067	0.0933	0.9067	0.5131	0.6217
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.8290	0.1710	0.8290	0.6631	0.5350
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.1696	0.4759
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8474	0.1526	0.8474	0.0832	0.7127
sens-2-gram	0.8474	0.1526	0.8474	0.1240	0.7215
sens-3-gram	0.8500	0.1500	0.8500	0.0190	0.6727
sens-4-gram	0.8553	0.1447	0.8553	0.1204	0.6805
sensorless	0.9988	0.0002	0.9988	0.9987	0.0027
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8719	0.1281	0.8719	0.4154	0.6198
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9761	0.0239	0.9761	0.7784	0.1990
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0085
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7482	0.0839	0.7482	0.6785	0.2243
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9283	0.0717	0.9283	0.8490	0.3451
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5956	0.0162	0.6047	0.5922	0.0962
splice-EI	0.9716	0.0284	0.9716	0.9257	0.2218
splice-IE	0.9527	0.0473	0.9527	0.8731	0.3266
sport-articles	0.7900	0.2100	0.7900	0.5470	0.6985
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8103	0.1897	0.8103	0.3663	0.7293
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8881	0.0746	0.8881	0.8186	0.2551
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7436	0.2564	0.7436	0.3941	0.7608
steel-p	0.9385	0.0615	0.9385	0.5390	0.5226
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1574	0.6346
student-weekend	0.3077	0.2769	0.3077	0.0375	0.7603
student-workday	0.7031	0.1187	0.7031	0.2205	0.3477
susy10%	0.7589	0.2411	0.7589	0.5069	0.7148
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9948	0.0004	1.0000	1.0000	0.0047
swarm_grouped	1.0000	0.0000	1.0000	0.9875	0.0000
tae	0.7333	0.1778	0.7333	0.6000	0.3518
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9818	0.0033	0.9818	0.9800	0.0279
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8601	0.1399	0.8601	0.6050	0.5910
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.0540	0.9098
trec11-wc	0.9512	0.0108	0.9512	0.9399	0.0273
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0313
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8750	0.0625	0.8750	0.8333	0.1704
tvnews	0.8412	0.1588	0.8412	0.6520	0.5915
urban	0.8657	0.0299	0.8657	0.8429	0.1265
vehicle	0.7857	0.1071	0.7857	0.7090	0.2100
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6667	0.0606	0.6667	0.6333	0.1690
vowelZ	0.9293	0.0707	0.9293	0.3419	0.1774
vrnormat310k-hg16-17	0.9093	0.0907	0.9093	0.0288	0.2988
wap-wc	0.8269	0.0173	0.8269	0.8060	0.0929
warpar10p	0.7692	0.0462	0.7692	0.7417	0.0807
warppiel10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9753	0.0070	0.9753	0.9712	0.0281
watch-gyr10%	0.9693	0.0088	0.9693	0.9642	0.0393
waveform	0.7400	0.1733	0.7400	0.6100	0.5078
web-phishing	0.8519	0.0988	0.8519	0.7376	0.4209
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9814	0.0186	0.9814	0.7987	0.3434
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5786	0.1405	0.5786	0.3180	0.4135
winequality-white	0.5072	0.1408	0.5072	0.1911	0.5065
winnipeg	0.9762	0.0064	0.9985	0.9844	0.0492
yale	0.7500	0.0333	0.7500	0.7311	0.0544
yeast	0.5135	0.0973	0.5135	0.3658	0.3839
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.9591	0.0082	0.9591	0.9542	0.0663
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 75: Detailed results for AdaBoost.OC

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1103	0.0614	0.1103	0.0488	0.3574
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9781	0.0219	0.9781	0.1944	0.5535
ads	0.9726	0.0274	0.9726	0.8808	0.2032
adult	0.7615	0.2385	0.7615	0.4907	0.6109
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8889	0.1111	0.8889	0.0745	0.6933
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7905	0.2095	0.7905	0.1109	0.7846
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3127	0.8572
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8384	0.1077	0.8384	0.1344	0.5984
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9941	0.0059	0.9941	0.1451	0.2361
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9494	0.0531
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9611	0.0097	0.9611	0.9356	0.1407
anuran-species	0.9764	0.0047	0.9764	0.9671	0.0606
aps-failure	0.9896	0.0104	0.9896	0.6173	0.2011
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6889	0.0479	0.6889	0.4878	0.2756
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.9130	0.0072	0.9130	0.9000	0.0000
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.7868	0.0355	0.7868	0.7325	0.3267
balance	0.8226	0.1183	0.8226	0.6889	0.3634
bank	0.9065	0.0935	0.9065	0.5240	0.6083
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6620	0.5053
basehock	0.9698	0.0302	0.9698	0.9397	0.1709
bio	0.9972	0.0028	0.9972	0.8211	0.1485
biodeg	0.8857	0.1143	0.8857	0.7600	0.4858
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9855	0.0010	0.9855	0.0692	0.2232
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.6364	0.3636	0.6364	0.2667	0.8952
breast-cancer-ma	0.6364	0.3636	0.6364	0.2414	0.8512
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9147	0.0853	0.9147	0.1541	0.3531
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8841	0.1159	0.8841	0.7598	0.4723
cardiotocography	0.8873	0.0225	0.8873	0.8646	0.1239
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8036	0.2489
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2602
cas_N6512_cdk_ECFP2	0.5407	0.4593	0.5407	0.1299	0.7348
cdc_diabetes	0.8351	0.1099	0.8351	0.0431	0.4448
census10%	0.9509	0.0491	0.9509	0.3754	0.3829
central-nervous-system	1.0000	0.0000	1.0000	1.0000	0.0000
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.6250	0.3750	0.6250	0.1429	0.8433
chrom19	0.9998	0.0002	0.9998	0.8570	0.1298
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.7970	0.3704
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6737	0.3263	0.6737	0.3178	0.8552
cirrhosis	0.7381	0.1746	0.7381	0.4797	0.4383
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7722	0.1139	0.7722	0.6520	0.4748
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.7500	0.1667	0.7500	0.6087	0.4277
cm1	0.8400	0.1600	0.8400	-0.0811	0.7590
cmc	0.5918	0.2721	0.5918	0.3541	0.6493
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0615
codon_usage	0.6355	0.0663	0.6355	0.5623	0.4038
coil20	0.9931	0.0007	0.9931	0.9927	0.0052
collins	0.9600	0.0053	0.9600	0.9559	0.0167
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.1989	0.8928
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6207	0.3793	0.6207	0.2276	0.8192
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9985	0.0010	0.9985	0.9663	0.0035
cottonmeloidogyne	0.6250	0.3750	0.6250	0.2542	0.7334
coupon	0.7066	0.2934	0.7066	0.3975	0.8160
covtype	0.5814	0.1196	0.5814	0.2655	0.3306
covtypeCD	0.9821	0.0179	0.9821	0.9235	0.1873
covtypeT	0.9769	0.0231	0.9769	0.8231	0.3467
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.1697	0.7884
crowdsourced	0.8710	0.0430	0.8710	0.7135	0.2385
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2610	0.1244
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.8230	0.1770	0.8230	0.3773	0.6423
deposit	0.8467	0.1533	0.8467	0.4649	0.6203
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6000	0.2311
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.4251	0.7957
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.3566	0.4289	0.3566	-0.0028	0.5043
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	-0.0286	0.9973
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5013	0.4987	0.5013	0.0339	0.8930
dropout	0.7223	0.1851	0.7223	0.5069	0.4316
drug-01	0.3723	0.1793	0.3723	0.0409	0.7288
drug-02	0.4521	0.1565	0.4521	0.0845	0.6331
drug-03	0.4415	0.1596	0.4415	0.1351	0.6130
drug-04	0.3617	0.1824	0.3617	0.0528	0.7492
drug-05	0.4787	0.1489	0.4787	0.0357	0.5365
drug-06	0.3085	0.1976	0.3085	0.1655	0.7060
drug-07	0.4149	0.1672	0.4149	-0.0018	0.4485
drug-08	0.4894	0.1459	0.4894	0.0569	0.5783
drug-09	0.8191	0.0517	0.8191	-0.0252	0.4886
drug-10	0.4362	0.1611	0.4362	0.1311	0.5713
drug-11	0.7713	0.0654	0.7713	0.0451	0.6410
drug-12	0.7553	0.0699	0.7553	0.0226	0.5849
drug-13	0.5745	0.1216	0.5745	0.1986	0.4892
drug-14	0.5000	0.1429	0.5000	0.1341	0.6557
drug-15	0.7287	0.0775	0.7287	0.0934	0.5450
drug-16	0.5106	0.1398	0.5106	0.2337	0.6633
drug-17	0.2606	0.2112	0.2606	0.0401	0.7299
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6649	0.0957	0.6649	0.1166	0.5961
drybean	0.9052	0.0271	0.9052	0.8853	0.1399
ecoli	0.8235	0.0441	0.8235	0.7527	0.1400
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1815	0.1023	0.1815	0.0897	0.4005
eeg-eye	0.5781	0.4219	0.5781	0.2107	0.6446
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3966	0.8082
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4378	0.6885
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6202	0.5322
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6369	0.6155
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6109	0.5306
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6183	0.6296
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6027	0.1589	0.6027	0.4912	0.4779
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	0.8893	0.1107	0.8893	0.7799	0.4034
fbis-wc	0.6463	0.0416	0.6463	0.6001	0.3272
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.6000	0.1000	0.6000	0.4953	0.2110
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4800	0.0068	0.4798	0.4502	0.2828
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9878	0.0041	0.9878	0.9852	0.0305
gastrointestinal	0.7500	0.1667	0.7500	0.5949	0.3105
gender	0.5537	0.2975	0.5537	0.0034	0.6564
gene	0.9338	0.0442	0.9338	0.8943	0.2042
german	0.6300	0.3700	0.6300	0.2026	0.9001
gina	0.7723	0.2277	0.7723	0.5435	0.7043
glass	0.7619	0.0794	0.7619	0.6759	0.2438
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9524	0.0476	0.9524	0.8889	0.1675
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.8690	0.1310	0.8690	0.7295	0.5195
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.6000	0.2000	0.6000	0.4545	0.4602
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.8984	0.0169	0.8984	0.8798	0.1184
har70	0.8676	0.0378	0.8676	0.8099	0.2271
harth10%	0.8668	0.0217	0.8806	0.8174	0.1580
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.7778	0.2222	0.7778	0.5120	0.6272
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.9333	0.0667	0.9333	0.8148	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7917	0.1927	0.7992	0.5909	0.5837
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higgs10%	0.5429	0.4562	0.5623	0.0526	0.6006
higher	0.2143	0.1964	0.2143	0.0833	0.3213
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9207	0.0793	0.9207	0.6943	0.4382
hiva	0.9645	0.0355	0.9645	0.1102	0.3399
horse	0.6389	0.2407	0.6389	0.3615	0.5853
htru2	0.9737	0.0263	0.9737	0.8383	0.3013
ht-sensor	0.7171	0.1886	0.7171	0.5641	0.3659
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7119	0.2881	0.7119	0.2302	0.8431
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4827	0.0398	0.4827	0.4620	0.3529
jm1	0.8127	0.1873	0.8127	0.1034	0.5243
fvowels	0.8564	0.0319	0.8564	0.8374	0.1807
kc1	0.8626	0.1374	0.8626	0.2727	0.5332
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	-0.0208	0.2707
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8699	0.0145	0.8699	0.8547	0.2016
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7463	0.0866	0.7481	0.6615	0.3745
la2s-wc	0.7564	0.0811	0.7623	0.6854	0.3344
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5422	0.0869
led24	0.5500	0.0900	0.5500	0.4944	0.2071
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4245	0.0443	0.4245	0.4022	0.3433
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6667	0.0444	0.6667	0.6424	0.1329
linkage10%	0.9976	0.0000	0.9764	0.9945	0.0001
liver	0.6471	0.3529	0.6471	0.2302	0.8750
localization	0.4467	0.1006	0.4467	0.3041	0.5360
lrs	0.8302	0.0340	0.8302	0.7632	0.1174
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.5308	0.4692	0.5308	0.0615	0.9433
magic04	0.8090	0.1910	0.8090	0.5633	0.6518

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5423	0.7111
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7579	0.2870
messidor	0.6609	0.3391	0.6609	0.3084	0.8710
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0443
mfeat-fou	0.6450	0.0710	0.6450	0.6056	0.2916
mfeat-kar	0.8800	0.0240	0.8800	0.8667	0.1340
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2275
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0734
mfeat-zer	0.5400	0.0920	0.5400	0.4889	0.3868
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3348	0.5512
mobile	0.8601	0.0044	0.8713	0.8663	0.0578
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9833	0.0167	0.9833	0.9360	0.1721
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4706	0.5294	0.4706	-0.0588	0.9398
mutagen_class_3	0.4928	0.5072	0.4928	-0.0263	0.8535
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.7009
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2261	0.8960
MUT_ci300400a	0.5263	0.4737	0.5263	0.1443	0.6688
MUT_ci300400a_cdk_ECFP2	0.5827	0.4173	0.5827	0.2288	0.7472
myocardial	0.8765	0.0309	0.8765	0.3721	0.2156
naticusdroid	0.9676	0.0324	0.9676	0.9352	0.1918
nci9	0.5000	0.1111	0.5000	0.4545	0.0625
ncRNA10%	0.8870	0.0095	0.9246	0.7379	0.2062
newspop	0.4728	0.5272	0.4728	0.0076	0.5953
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9452	0.0548	0.9452	0.8661	0.3229
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0875	0.7890
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0643
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9406	0.0119	0.9406	0.9320	0.0580
oh10-wc	0.7619	0.0476	0.7619	0.7270	0.2204
oh15-wc	0.8261	0.0348	0.8261	0.8016	0.1630
oh5-wc	0.7253	0.0549	0.7253	0.6919	0.2455
opn310k	0.9144	0.0856	0.9144	0.1480	0.3509
opnat310k-hg16-17	0.9134	0.0866	0.9134	0.1220	0.3311
optdigits	0.9520	0.0096	0.9520	0.9466	0.0678
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.8000	0.0100	0.8000	0.7949	0.0331
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9130	0.0870	0.9130	0.0537	0.6079
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8869	0.2657

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8842	0.1158	0.8842	0.7227	0.5254
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4278	0.5722	0.4278	-0.1424	1.0000
pd	0.8947	0.1053	0.8947	0.7091	0.4943
pediatric-leukemia	0.7941	0.0588	0.7941	0.7465	0.1263
pendigits	0.9927	0.0015	0.9927	0.9919	0.0140
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5805	0.6596
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6825	0.5766
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9837	0.0163	0.9837	0.9657	0.1170
phoneme	0.8111	0.1889	0.8111	0.5782	0.6449
phy	0.5802	0.4198	0.5802	0.1568	0.6904
pima	0.7368	0.2632	0.7368	0.4225	0.7566
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.8234	0.0353	0.8234	0.6855	0.7571
polish-1st	0.9673	0.0327	0.9673	0.2506	0.0987
polish-2nd	0.9558	0.0442	0.9558	0.0312	0.4904
polish-3rd	0.9419	0.0581	0.9419	0.0404	0.5919
polish-4th	0.9449	0.0551	0.9449	0.2990	0.5688
polish-5th	0.9408	0.0592	0.9408	0.4479	0.5324
polya	0.6876	0.3124	0.6876	0.1985	0.7193
popularity	0.4739	0.3507	0.4739	0.1108	0.4919
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.6858	0.1257	0.6858	0.6084	0.3692
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9127
primary-tumor	0.3333	0.0606	0.3333	0.2659	0.2356
profb	0.7463	0.2537	0.7463	0.4040	0.7813
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9749	0.0100	0.9749	0.9663	0.0615
pufs-6410%	0.4944	0.5056	0.4944	-0.0113	1.0000
raisin	0.8444	0.1556	0.8444	0.6889	0.5706
re0-wc	0.7600	0.0369	0.7600	0.6816	0.2685
re1-wc	0.7590	0.0193	0.7590	0.7272	0.1843
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5602	0.4398	0.5602	0.2091	0.6727
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0030
satimage	0.8756	0.0415	0.8756	0.8466	0.1843
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9222	0.0778	0.9222	0.5474	0.5697
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9231	0.0769	0.9231	0.1103	0.6287
secondary_mushroom	0.9998	0.0002	0.9998	0.9997	0.0023
segment	0.9697	0.0087	0.9697	0.9646	0.0374
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	0.2746	0.5963
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8605	0.1395	0.8605	0.0391	0.5724
sens-2-gram	0.8579	0.1421	0.8579	0.1464	0.6742
sens-3-gram	0.8342	0.1658	0.8342	0.0590	0.7556
sens-4-gram	0.8762	0.1416	0.8684	0.1332	0.6435
sensorless	0.9921	0.0014	0.9921	0.9913	0.0153
sepsis	0.9090	0.0910	0.9090	0.0008	0.2421
shoppers	0.8751	0.1249	0.8751	0.4302	0.6077
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8412	0.2443
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9990	0.0076
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.6978	0.1007	0.6978	0.6143	0.2589
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9559	0.0046	0.9559	0.9516	0.0280
spambase	0.9283	0.0717	0.9283	0.8487	0.3417
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.3208	0.0283	0.3208	0.2854	0.1605
splice-EI	0.9653	0.0347	0.9653	0.9099	0.2583
splice-IE	0.9432	0.0568	0.9432	0.8442	0.3564
sport-articles	0.8300	0.1700	0.8300	0.6413	0.6178
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.3725	0.7583
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8539	0.0974	0.8539	0.7605	0.2366
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7333	0.2667	0.7333	0.3834	0.7899
steel-p	0.9231	0.0769	0.9231	0.3135	0.5446
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.5385	0.3077	0.5385	0.2909	0.5610
student-weekend	0.4308	0.2277	0.4308	0.2125	0.6667
student-workday	0.7031	0.1187	0.7031	0.2314	0.3691
susy10%	0.7544	0.2456	0.7544	0.5022	0.7416
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9783	0.0004	1.0000	0.9933	0.0048
swarm_grouped	0.9881	0.0000	1.0000	0.9910	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8611	0.1389	0.8611	0.6154	0.6155
texture	0.9727	0.0050	0.9727	0.9699	0.0403
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.4291	0.6434
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8706	0.1294	0.8706	0.6274	0.5483
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.7500	0.0833	0.7500	0.6098	0.1060
tox_171	0.7647	0.1176	0.7647	0.6852	0.1975
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.1076	0.9215
trec11-wc	0.8780	0.0271	0.8780	0.8511	0.0972
trec12-wc	0.9032	0.0242	0.9032	0.8835	0.0763

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7047	0.1030
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9429	0.0981
trec41-wc	0.9545	0.0091	0.9545	0.9444	0.0400
trec45-wc	0.9565	0.0087	0.9565	0.9493	0.0297
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8500	0.0750	0.8500	0.8000	0.2299
tvnews	0.8360	0.1640	0.8360	0.6389	0.6005
urban	0.7761	0.0498	0.7761	0.7392	0.1972
vehicle	0.6667	0.1667	0.6667	0.5419	0.4250
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5152	0.0882	0.5152	0.4667	0.2541
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9102	0.0898	0.9102	0.0485	0.3010
wap-wc	0.7115	0.0288	0.7115	0.6753	0.1946
warpar10p	1.0000	0.0000	1.0000	1.0000	0.0000
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9829	0.0049	0.9829	0.9800	0.0320
watch-gyr10%	0.9838	0.0046	0.9838	0.9811	0.0232
waveform	0.6940	0.2040	0.6940	0.5400	0.5327
web-phishing	0.8815	0.0790	0.8815	0.7901	0.3322
weight-lift	0.9975	0.0010	0.9975	0.9968	0.0079
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5283	0.1572	0.5283	0.2673	0.6946
winequality-white	0.4049	0.1700	0.4049	0.1522	0.6262
winnipeg	0.9820	0.0063	0.9998	0.9922	0.0494
yale	0.5000	0.0667	0.5000	0.4667	0.1142
yeast	0.4189	0.1162	0.4189	0.2685	0.3840
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.8548	0.0290	0.8548	0.8371	0.1818
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 76: Detailed results for AdaBoost.ECC

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0983	0.0622	0.0983	0.0093	0.4056
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9812	0.0188	0.9812	0.1371	0.4146
ads	0.9726	0.0274	0.9726	0.8830	0.2343
adult	0.8610	0.1390	0.8610	0.5776	0.5722
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8810	0.1190	0.8810	-0.0488	0.7141
AID1608Morered	0.8641	0.1359	0.8641	0.0526	0.6574
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0629	0.5322
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.7838	0.2162	0.7838	0.5608	0.6904
AID_602330	0.9323	0.0677	0.9323	-0.0331	0.6496
AID604	0.9966	0.0034	0.9966	0.1941	0.2907
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9928	0.0072	0.9928	0.1539	0.5003
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9777	0.0111	0.9777	0.9574	0.0560
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9588	0.0977
anuran-species	0.9750	0.0050	0.9750	0.9653	0.0766
aps-failure	0.9900	0.0100	0.9900	0.6434	0.2259
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6000	0.0615	0.6000	0.4185	0.3920
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7500	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8184	0.0303	0.8184	0.7531	0.1766
balance	0.7581	0.1613	0.7581	0.5899	0.4222
bank	0.9051	0.0949	0.9051	0.4490	0.5913
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8502	0.1498	0.8502	0.6501	0.4520
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9964	0.0036	0.9964	0.7562	0.1572
biodeg	0.8476	0.1524	0.8476	0.6738	0.5763
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9835	0.0011	0.9835	0.2371	0.4798
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6071	0.3929	0.6071	0.0723	0.9102
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9116	0.0884	0.9116	0.0764	0.3062
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.7681	0.2319	0.7681	0.5373	0.6993
cardiotocography	0.7887	0.0423	0.7887	0.7484	0.2708
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7736	0.3506
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5531	0.4782
cas_N6512_cdk_ECFP2	0.6221	0.3779	0.6221	0.1980	0.6910
cdc_diabetes	0.8299	0.1134	0.8299	0.2144	0.5680
census10%	0.9432	0.0568	0.9432	0.2803	0.4905
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8401	0.1179
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.5802	0.5823
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.5946	0.6457
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3805	0.8206
cirrhosis	0.7619	0.1587	0.7619	0.5405	0.3782
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7926	0.1037	0.7926	0.6782	0.4455
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5102	0.3265	0.5102	0.2377	0.7430
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0512
codon_usage	0.7452	0.0463	0.7452	0.6892	0.3402
coil20	0.9444	0.0056	0.9444	0.9415	0.0329
collins	0.9800	0.0027	0.9800	0.9780	0.0058
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3591	0.8058
colposcopies-2	0.7931	0.2069	0.7931	0.5085	0.4011
colposcopies-3	0.7931	0.2069	0.7931	0.5735	0.6840
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7742	0.1505	0.7742	0.6401	0.2818
connect-4	0.9979	0.0014	0.9979	0.9525	0.0051
cottonmeloidogyne	0.6274	0.3726	0.6274	0.2593	0.6877
coupon	0.7177	0.2823	0.7177	0.4186	0.8002
covtype	0.6963	0.0868	0.6963	0.5198	0.4191
covtypeCD	0.9771	0.0229	0.9771	0.9001	0.1947
covtypeT	0.9745	0.0255	0.9745	0.8042	0.3640
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2129	0.7253
crowdsourced	0.9014	0.0329	0.9014	0.7922	0.2565
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2500	0.0375	0.2500	0.2305	0.1018
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7407	0.2593	0.7407	0.4449	0.7087
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8247	0.1753	0.8247	0.3891	0.6447
deposit	0.8850	0.1150	0.8850	0.1063	0.4549
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3514	0.4961
dexter	0.9333	0.0667	0.9333	0.8667	0.3124
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5435	0.6720
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5354	0.3098	0.5354	0.0009	0.4441
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5417	0.4583	0.5417	0.0435	0.9771
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5829	0.4171	0.5829	0.1574	0.9415
dropout	0.7201	0.1866	0.7201	0.5259	0.4947
drug-01	0.4043	0.1702	0.4043	0.0546	0.5710
drug-02	0.5000	0.1429	0.5000	0.2053	0.7365
drug-03	0.6436	0.1018	0.6436	-0.0048	0.5754
drug-04	0.4840	0.1474	0.4840	0.1139	0.5260
drug-05	0.6755	0.0927	0.6755	-0.0486	0.7053
drug-06	0.3883	0.1748	0.3883	0.2242	0.5413
drug-07	0.4202	0.1657	0.4202	0.0573	0.5968
drug-08	0.5372	0.1322	0.5372	0.1821	0.6747
drug-09	0.8457	0.0441	0.8457	0.1033	0.3566
drug-10	0.5372	0.1322	0.5372	0.2061	0.5164
drug-11	0.7926	0.0593	0.7926	0.0485	0.6066
drug-12	0.7872	0.0608	0.7872	0.0303	0.2577
drug-13	0.5638	0.1246	0.5638	0.1770	0.4848
drug-14	0.5585	0.1261	0.5585	0.2535	0.5661
drug-15	0.6915	0.0881	0.6915	0.0783	0.4546
drug-16	0.4894	0.1459	0.4894	0.1768	0.6593
drug-17	0.2979	0.2006	0.2979	0.0696	0.6858
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7394	0.0745	0.7394	0.0482	0.4753
drybean	0.9023	0.0279	0.9023	0.8821	0.1360
ecoli	0.8235	0.0441	0.8235	0.7542	0.1342
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1757	0.1030	0.1757	0.0697	0.4296
eeg-eye	0.5955	0.4045	0.5955	0.1112	0.5907
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.3045	0.8639
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5402	0.6695
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.4672	0.5906
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6630	0.5105
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6712	0.1315	0.6712	0.5786	0.3856
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	0.9071	0.0703	0.9090	0.8370	0.3299
fbis-wc	0.6911	0.0363	0.6911	0.6496	0.2583
fda.atompair_fp	0.7727	0.2273	0.7727	0.3210	0.7098
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6141	0.1742
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4946	0.0067	0.5079	0.4550	0.2859
forest	0.8654	0.0673	0.8654	0.8141	0.1919
gas	0.9849	0.0050	0.9849	0.9817	0.0384
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5705	0.2863	0.5705	0.0516	0.5779
gene	0.9464	0.0358	0.9464	0.9145	0.1715
german	0.6500	0.3500	0.6500	0.0642	0.7808
gina	0.8040	0.1960	0.8040	0.6063	0.6112
glass	0.8571	0.0476	0.8571	0.7981	0.1433
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2593	0.5495
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9296	0.0117	0.9296	0.9167	0.0882
har70	0.8162	0.0468	0.8414	0.7810	0.1501
harth10%	0.8479	0.0227	0.8374	0.8458	0.1555
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.7037	0.2963	0.7037	0.3684	0.8172
heart-c	0.7667	0.2333	0.7667	0.5333	0.7203
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7907	0.2021	0.8094	0.6017	0.5763
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5603	0.4387	0.5539	0.0812	0.8867
higher	0.3571	0.1607	0.3571	0.2317	0.3192
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9022	0.0978	0.9022	0.6211	0.5172
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6667	0.2222	0.6667	0.4209	0.5539
htru2	0.9754	0.0246	0.9754	0.8464	0.2701
ht-sensor	0.7510	0.1660	0.7510	0.6285	0.4184
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6610	0.3390	0.6610	0.1114	0.9005
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4929	0.0390	0.4929	0.4727	0.3288
jm1	0.8026	0.1974	0.8026	0.0316	0.5512
jvowels	0.8434	0.0348	0.8434	0.8227	0.2152
kc1	0.8626	0.1374	0.8626	0.2969	0.5700
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3488	0.0435
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4633	0.6998
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8385	0.0179	0.8385	0.8197	0.2655
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7621	0.0876	0.7239	0.6602	0.3686
la2s-wc	0.7504	0.0816	0.7918	0.6786	0.3245
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5397	0.0873
led24	0.6000	0.0800	0.6000	0.5480	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.3030	0.0536	0.3030	0.2760	0.4408
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6667	0.0444	0.6667	0.6421	0.1387
linkage10%	0.9831	0.0000	0.9912	0.9872	0.0001
liver	0.6765	0.3235	0.6765	0.3100	0.8329
localization	0.4723	0.0959	0.4723	0.2587	0.3994
lrs	0.6981	0.0604	0.6981	0.5802	0.2487
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0610
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.5088	0.2504
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5154	0.4846	0.5154	0.0308	0.9900
magic04	0.7933	0.2067	0.7933	0.4884	0.5366

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5839	0.6742
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7592	0.3528
messidor	0.6000	0.4000	0.6000	0.2255	0.8659
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0637
mfeat-fou	0.6800	0.0640	0.6800	0.6444	0.2739
mfeat-kar	0.8550	0.0290	0.8550	0.8389	0.1623
mfeat-mor	0.6600	0.0680	0.6600	0.6222	0.2502
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0958
mfeat-zer	0.6450	0.0710	0.6450	0.6056	0.2985
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.3824	0.2471	0.3824	0.2222	0.5940
mobile	0.3047	0.0250	0.3001	0.2856	0.2684
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9636	0.0364	0.9636	0.8474	0.1550
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9949
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4783	0.5217	0.4783	-0.0570	0.8170
mutagens_ExtendedFingerprinter	0.8235	0.1765	0.8235	0.6471	0.5811
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3434	0.8529
MUT_ci300400a	0.6892	0.3108	0.6892	0.3957	0.7640
MUT_ci300400a_cdk_ECFP2	0.6259	0.3741	0.6259	0.1275	0.6343
myocardial	0.8824	0.0294	0.8824	0.4550	0.3286
naticusdroid	0.9652	0.0348	0.9652	0.9304	0.2019
nci9	0.0000	0.2222	0.0000	-0.1250	0.1979
ncRNA10%	0.8901	0.0097	0.9214	0.7159	0.2056
newspop	0.5336	0.4664	0.5336	0.0030	0.5330
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9254	0.0746	0.9254	0.8207	0.4015
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.1345	0.7782
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0700
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.8713	0.0257	0.8713	0.8523	0.1245
oh10-wc	0.7238	0.0552	0.7238	0.6862	0.2527
oh15-wc	0.7717	0.0457	0.7717	0.7398	0.2141
oh5-wc	0.7912	0.0418	0.7912	0.7634	0.1788
opn310k	0.9131	0.0869	0.9131	0.1012	0.2946
opnat310k-hg16-17	0.9141	0.0859	0.9141	0.1143	0.2700
optdigits	0.9431	0.0114	0.9431	0.9367	0.0829
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7250	0.0138	0.7250	0.7179	0.0491
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0480
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9209	0.0791	0.9209	0.2495	0.6005
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8662	0.1669

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8648	0.1352	0.8648	0.6541	0.5645
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.3909	0.6055
pcmac	0.5361	0.4639	0.5361	-0.0029	0.9778
pd	0.8947	0.1053	0.8947	0.7288	0.5149
pediatric-leukemia	0.7353	0.0756	0.7353	0.6745	0.2302
pendigits	0.9873	0.0025	0.9873	0.9858	0.0222
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5539	0.6782
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7149	0.5330
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.7815	0.2185	0.7815	0.5322	0.6542
phy	0.6320	0.3680	0.6320	0.2620	0.7930
pima	0.7632	0.2368	0.7632	0.4738	0.6848
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.7523	0.0523	0.7341	0.4948	0.2815
polish-1st	0.9630	0.0370	0.9630	0.3002	0.4775
polish-2nd	0.9607	0.0393	0.9607	0.2931	0.5111
polish-3rd	0.9381	0.0619	0.9381	-0.0225	0.6196
polish-4th	0.9541	0.0459	0.9541	0.4089	0.4844
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6595	0.3405	0.6595	0.0644	0.5143
popularity	0.6303	0.2465	0.6303	0.0008	0.3557
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9063	0.0375	0.9063	0.8829	0.1525
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8720
primary-tumor	0.3636	0.0579	0.3636	0.2957	0.2456
profb	0.7463	0.2537	0.7463	0.3893	0.7756
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9646	0.0142	0.9646	0.9524	0.0922
pufs-6410%	0.5037	0.4963	0.5037	0.0073	0.9979
raisin	0.8000	0.2000	0.8000	0.6000	0.6625
re0-wc	0.7333	0.0410	0.7333	0.6421	0.3559
re1-wc	0.7470	0.0202	0.7470	0.7098	0.2042
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5878	0.4122	0.5878	-0.0047	0.6187
RT_IOT2022	0.9990	0.0002	0.9990	0.9976	0.0018
satimage	0.8600	0.0467	0.8600	0.8267	0.1976
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8958	0.1042	0.8958	0.0399	0.4552
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9231	0.0769	0.9231	0.1103	0.6287
secondary_mushroom	0.6794	0.3206	0.6794	0.3940	0.5101
segment	0.9697	0.0087	0.9697	0.9646	0.0366
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.1445	0.5922
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.1503	0.5774
sens-3-gram	0.8553	0.1447	0.8553	0.0534	0.6462
sens-4-gram	0.8722	0.1406	0.8684	0.1309	0.6258
sensorless	0.9908	0.0017	0.9908	0.9898	0.0168
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8808	0.1192	0.8808	0.4838	0.6088
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9814	0.0186	0.9814	0.8276	0.0656
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9993	0.0063
smk_can_187	0.7895	0.2105	0.7895	0.5730	0.6420
solar-flare	0.7842	0.0719	0.7842	0.7242	0.2087
sonar	0.5500	0.4500	0.5500	0.1000	0.9473
soybean	0.9412	0.0062	0.9412	0.9356	0.0360
spambase	0.9261	0.0739	0.9261	0.8440	0.3476
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4528	0.0228	0.4528	0.4220	0.1647
splice-EI	0.9685	0.0315	0.9685	0.9184	0.2445
splice-IE	0.9369	0.0631	0.9369	0.8330	0.3894
sport-articles	0.8200	0.1800	0.8200	0.6095	0.6396
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8513	0.1487	0.8513	0.4486	0.5403
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8844	0.0771	0.8844	0.8111	0.2497
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7231	0.2769	0.7231	0.2882	0.6790
steel-p	0.9333	0.0667	0.9333	0.5161	0.5590
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3846	0.4103	0.3846	0.0189	0.6981
student-weekend	0.2769	0.2892	0.2769	0.0329	0.7547
student-workday	0.6875	0.1250	0.6875	0.2772	0.4095
susy10%	0.7547	0.2453	0.7547	0.5034	0.7422
swarm_aligned	0.9786	0.0000	0.9808	0.9899	0.0000
swarm_flocking	0.9797	0.0004	0.9775	0.9929	0.0048
swarm_grouped	0.9953	0.0000	0.9784	0.9968	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8056	0.1944	0.8056	0.4615	0.7201
texture	0.9636	0.0066	0.9636	0.9599	0.0518
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8781	0.1219	0.8781	0.6557	0.5388
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6098	0.1060
tox_171	0.8235	0.0882	0.8235	0.7639	0.2092
toxicity	0.7647	0.2353	0.7647	0.3929	0.4155
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	-0.0345	0.9007
trec11-wc	0.8780	0.0271	0.8780	0.8498	0.1111
trec12-wc	0.9355	0.0161	0.9355	0.9231	0.0621

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8193	0.2358
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9432	0.0114	0.9432	0.9307	0.0633
trec45-wc	0.9130	0.0174	0.9130	0.8981	0.0754
tuandromd	0.9843	0.0157	0.9843	0.9507	0.1231
turkish	0.8000	0.1000	0.8000	0.7333	0.2671
tvnews	0.8029	0.2098	0.7717	0.4882	0.6004
urban	0.8358	0.0365	0.8358	0.8080	0.1550
vehicle	0.7976	0.1012	0.7976	0.7285	0.2368
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.4646	0.0973	0.4646	0.4111	0.3123
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0113	0.2763
wap-wc	0.7115	0.0288	0.7115	0.6775	0.2234
warpar10p	0.6154	0.0769	0.6154	0.5638	0.1193
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9485	0.0147	0.9485	0.9398	0.0545
watch-gyr10%	0.9277	0.0207	0.9277	0.9155	0.0375
waveform	0.7140	0.1907	0.7140	0.5703	0.5182
web-phishing	0.8741	0.0840	0.8741	0.7776	0.3645
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0018
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9772	0.0228	0.9772	0.7635	0.4120
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5157	0.1614	0.5157	0.2218	0.3893
winequality-white	0.4601	0.1543	0.4601	0.1612	0.6131
winnipeg	1.0000	0.0063	0.9555	0.9861	0.0489
yale	0.5000	0.0667	0.5000	0.4644	0.1222
yeast	0.5135	0.0973	0.5135	0.3733	0.4243
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.8667	0.0267	0.8667	0.8505	0.1821
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 77: Detailed results for AdaBoost.M2

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1823	0.0564	0.1823	0.0891	0.3897
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.9315	0.0685	0.9315	-0.0224	0.6102
accelerometer	0.9812	0.0188	0.9812	0.2603	0.4871
ads	0.9726	0.0274	0.9726	0.8830	0.2343
adult	0.8294	0.1706	0.8294	0.3755	0.3641
AID1284Morered	0.7500	0.2500	0.7500	0.1649	0.7334
AID1284red	0.7222	0.2778	0.7222	-0.1613	0.7929
AID_1431	0.8810	0.1190	0.8810	-0.0488	0.7141
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.8447	0.1553	0.8447	-0.0785	0.5812
AID_1878	0.7524	0.2476	0.7524	-0.0508	0.8465
AID362red	0.9790	0.0210	0.9790	0.1713	0.5745
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9985	0.0015	0.9985	-0.0007	0.5338
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7297	0.2703	0.7297	0.4729	0.7058
AID_602330	0.9010	0.0990	0.9010	-0.0507	0.5773
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9987	0.0013	0.9987	-0.0005	0.5055
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8500	0.1500	0.8500	0.6250	0.5806
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9958	0.0042	0.9958	-0.0017	0.5306
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9933	0.0067	0.9933	0.1282	0.4369
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.8876	0.0449	0.8876	0.7513	0.0803
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9193	0.0403	0.9193	0.8415	0.1252
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.8150	0.0462	0.8150	0.6790	0.3093
anuran-species	0.5222	0.0956	0.5222	0.3903	0.3293
aps-failure	0.9901	0.0099	0.9901	0.6760	0.3145
arcene	0.8000	0.2000	0.8000	0.5833	0.6737
arrhythmia	0.6444	0.0547	0.6444	0.2969	0.2035
auction	0.9608	0.0392	0.9608	0.7970	0.1211
audiology	0.2174	0.0652	0.2174	0.0980	0.2822
audit-risk	0.3974	0.6026	0.3974	0.0000	0.5233
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6500	0.1167	0.6500	0.5105	0.2354
avila	0.6339	0.0610	0.6339	0.4687	0.2339
balance	0.8065	0.1290	0.8065	0.6590	0.4140
bank	0.9085	0.0915	0.9085	0.5510	0.6034
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8594	0.1406	0.8594	0.6745	0.4501
basehock	0.9196	0.0804	0.9196	0.8392	0.3686
bio	0.9966	0.0034	0.9966	0.7898	0.2314
biodeg	0.8286	0.1714	0.8286	0.6294	0.6130
biomed	0.8571	0.1429	0.8571	0.6736	0.3386
bitcoin10%	0.9844	0.0011	0.9844	0.2495	0.5878
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.1250	0.8994
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.2727	0.2424	0.2727	0.0330	0.4194
bridges	0.7000	0.0857	0.7000	0.5455	0.1224
bub10at310k-hg16-17	0.9111	0.0889	0.9111	0.0553	0.2716
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.8986	0.1014	0.8986	0.7785	0.4599
car	0.8563	0.0718	0.8563	0.6652	0.2118
card	0.7971	0.2029	0.7971	0.5875	0.6722
cardiotocography	0.8169	0.0366	0.8169	0.7802	0.2167
cardiotocography-nsp	0.9061	0.0626	0.9061	0.7363	0.3456
cargo2k	0.9975	0.0017	0.9975	0.9962	0.0098
cars	0.7250	0.1833	0.7250	0.4977	0.4949
cas_N6512_cdk_ECFP2	0.6037	0.3963	0.6037	0.1636	0.7944
cdc_diabetes	0.8440	0.1040	0.8440	0.1588	0.3844
census10%	0.9475	0.0525	0.9475	0.4042	0.5065
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9419	0.0581	0.9419	0.5841	0.5676
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8635	0.2038
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7094	0.4381
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.6071	0.6470
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3862	0.8123
cirrhosis	0.6667	0.2222	0.6667	0.3348	0.4577
cjs	0.3250	0.2250	0.3250	0.1625	0.3130
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7630	0.1185	0.7630	0.6341	0.4583
climate	0.8333	0.1667	0.8333	-0.0897	0.6582
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.5014
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.6054	0.2630	0.6054	0.3740	0.6449
cnae-9	0.6389	0.0802	0.6389	0.5938	0.1677
codon_usage	0.7053	0.0536	0.7053	0.6381	0.2542
coil20	0.3750	0.0625	0.3750	0.3425	0.2645
collins	0.5800	0.0560	0.5800	0.5376	0.1917
colon-tumor	0.3333	0.6667	0.3333	-0.2000	0.9308
colposcopies-1	0.6552	0.3448	0.6552	0.2714	0.8634
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.4483	0.5517	0.4483	-0.0594	0.9746
colposcopies-4	0.5862	0.4138	0.5862	-0.1226	0.9524

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.5827	0.6201
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.5862	0.4138	0.5862	0.0543	0.8522
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.3548	0.4301	0.3548	0.0691	0.6588
connect-4	0.9871	0.0086	0.9871	0.6528	0.2714
cottonmeloidogyne	0.5986	0.4014	0.5986	0.1920	0.7486
coupon	0.7114	0.2886	0.7114	0.4088	0.8099
covtype	0.7235	0.0790	0.7235	0.5512	0.3455
covtypeCD	0.9911	0.0089	0.9911	0.9619	0.1068
covtypeT	0.9727	0.0273	0.9727	0.7831	0.3569
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.1306	0.8230
crowdsourced	0.8147	0.0618	0.8147	0.5542	0.2543
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0938	0.0453	0.0938	0.0645	0.2927
cyclopentane	0.6296	0.3704	0.6296	0.2623	0.8892
cylinder-bands	0.7593	0.2407	0.7593	0.4876	0.6885
darwin	0.6667	0.3333	0.6667	0.3333	0.7578
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8810	0.1190	0.8810	0.3943	0.6704
dermatology	0.5135	0.1622	0.5135	0.3752	0.2980
desharnais	0.3750	0.4167	0.3750	0.1111	0.3538
dexter	0.7833	0.2167	0.7833	0.5667	0.6700
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5380	0.6517
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5403	0.3065	0.5403	0.0039	0.3486
diagnosis	0.9167	0.0833	0.9167	0.8333	0.3145
dishonest	0.9062	0.0938	0.9062	0.7624	0.2534
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.3750	0.6250	0.3750	-0.1111	0.8890
dlbcl-stanford	0.4000	0.6000	0.4000	-0.3636	1.0000
dota2	0.5984	0.4016	0.5984	0.1897	0.9291
dropout	0.7133	0.1911	0.7133	0.5265	0.5348
drug-01	0.3936	0.1733	0.3936	0.0046	0.3927
drug-02	0.5160	0.1383	0.5160	0.0236	0.3702
drug-03	0.6649	0.0957	0.6649	-0.0221	0.3899
drug-04	0.5319	0.1337	0.5319	0.0258	0.3576
drug-05	0.7234	0.0790	0.7234	-0.0143	0.2970
drug-06	0.3883	0.1748	0.3883	0.2115	0.4543
drug-07	0.4309	0.1626	0.4309	0.0045	0.2873
drug-08	0.5532	0.1277	0.5532	0.0455	0.3869
drug-09	0.8298	0.0486	0.8298	0.0356	0.3783
drug-10	0.5426	0.1307	0.5426	0.0257	0.3360
drug-11	0.8138	0.0532	0.8138	0.1280	0.4746
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6064	0.1125	0.6064	0.2275	0.3312
drug-14	0.6170	0.1094	0.6170	0.3072	0.3966
drug-15	0.7660	0.0669	0.7660	0.0664	0.1851
drug-16	0.5479	0.1292	0.5479	0.2833	0.5026
drug-17	0.3138	0.1960	0.3138	-0.0083	0.4139
drug-18	0.9894	0.0043	0.9894	-0.0053	0.1743
drug-19	0.7553	0.0699	0.7553	-0.0044	0.3636
drybean	0.9287	0.0204	0.9287	0.9137	0.1161
ecoli	0.2941	0.1765	0.2941	0.1338	0.3037
ecoliCP-IM	0.9091	0.0909	0.9091	0.8036	0.4217

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8182	0.1818	0.8182	0.5050	0.6964
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.1737	0.1033	0.1737	0.0392	0.3969
eeg-eye	0.5928	0.4072	0.5928	0.1053	0.6034
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4583	0.7707
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4636	0.7349
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9016	0.0984	0.9016	0.6726	0.5112
er_tox_rdkit_descriptors	0.7705	0.2295	0.7705	0.4917	0.7384
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7615	0.4418
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9626	0.1355
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.4945	0.6854
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.5479	0.1808	0.5479	0.4181	0.4741
euthyroid	0.9557	0.0443	0.9557	0.7422	0.4183
exon.vs.intron-freq	0.9811	0.0218	0.9929	0.9662	0.1390
fbis-wc	0.6138	0.0454	0.6138	0.5543	0.2417
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.2500	0.1875	0.2500	-0.0345	0.4110
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.4980	0.0066	0.4828	0.4526	0.2741
forest	0.6923	0.1538	0.6923	0.5798	0.2841
gas	0.8771	0.0410	0.8771	0.8512	0.1440
gastrointestinal	0.5000	0.3333	0.5000	0.1233	0.5717
gender	0.5874	0.2751	0.5874	0.0053	0.4104
gene	0.8139	0.1241	0.8139	0.6987	0.3936
german	0.6600	0.3400	0.6600	0.2111	0.8859
gina	0.8242	0.1758	0.8242	0.6469	0.5725
glass	0.4286	0.1905	0.4286	0.1250	0.4570
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6897	0.5637
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.9048	0.0952	0.9048	0.7375	0.4884
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.2000	0.4000	0.2000	0.0476	0.4431
glioma-grade	0.8333	0.1667	0.8333	0.6571	0.6041
green	0.8000	0.2000	0.8000	0.4118	0.3750
GREY_MAO_DESC_PADEL	0.4286	0.5714	0.4286	0.0000	0.5288
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3519	0.4598
haberman	0.7000	0.3000	0.7000	0.1290	0.8673
hapt	0.9543	0.0076	0.9543	0.9459	0.0534
har70	0.9087	0.0232	0.9236	0.8891	0.1171
harth10%	0.8689	0.0219	0.8880	0.8034	0.1569
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.4706	0.5294	0.4706	-0.1168	1.0000
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8044	0.1930	0.8179	0.5994	0.5969
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.6000	0.4000	0.6000	0.1304	0.8900
higgs10%	0.5612	0.4461	0.5563	0.0520	0.5797
higher	0.1429	0.2143	0.1429	0.0345	0.3863
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.9073	0.0927	0.9073	0.6570	0.5221
hiva	0.9527	0.0473	0.9527	0.0699	0.6111
horse	0.5833	0.2778	0.5833	0.2653	0.6327
htru2	0.9743	0.0257	0.9743	0.8394	0.2810
ht-sensor	0.7943	0.1372	0.7943	0.6933	0.3852
hypothyroid	0.9602	0.0199	0.9602	0.7216	0.2811
hypothyroidT	0.9814	0.0186	0.9814	0.8627	0.2248
ilpd	0.7627	0.2373	0.7627	0.2988	0.6778
immuno-therapy	0.7778	0.2222	0.7778	0.5263	0.5283
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	0.4667	0.3556	0.4667	0.2405	0.5267
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7022	0.0229	0.7022	0.6903	0.1823
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
fvowels	0.8133	0.0415	0.8133	0.7891	0.2098
kc1	0.8626	0.1374	0.8626	0.3196	0.5977
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.3243	0.8514
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.0577	0.1784
kc1-class-level-top5percentDF	0.6667	0.3333	0.6667	-0.1194	0.4433
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	0.9250	0.0750	0.9250	0.8462	0.3145
krkopt	0.5465	0.0504	0.5465	0.4898	0.4371
krvskp	0.9875	0.0125	0.9875	0.9749	0.0919
la1s-wc	0.7457	0.0894	0.7353	0.6752	0.3721
la2s-wc	0.7451	0.0801	0.7610	0.7035	0.3252
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.0294	0.0485	0.0294	0.0286	0.3516
led24	0.2000	0.1600	0.2000	0.1111	0.3629
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.5750	0.0327	0.5750	0.5576	0.2720
leukemia	0.7143	0.1905	0.7143	0.5625	0.3324
leukemia2	0.5714	0.4286	0.5714	0.2222	0.5283
libra	0.1111	0.1185	0.1111	0.0384	0.3923
linkage10%	1.0000	0.0000	0.9872	1.0000	0.0001
liver	0.6471	0.3529	0.6471	0.2941	0.8066
localization	0.4997	0.0910	0.4997	0.3412	0.3988
lrs	0.4151	0.1170	0.4151	0.2730	0.3133
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.7619	0.0952	0.7619	0.3860	0.1967
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.4483	0.1594
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.2500	0.2143	0.2500	0.0769	0.2266
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.5556	0.0988	0.5556	0.4286	0.1682
madelon	0.5115	0.4885	0.5115	0.0231	0.9750
magic04	0.7801	0.2199	0.7801	0.4492	0.5414

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5648	0.6803
MAO_MACCS	0.7143	0.2857	0.7143	0.4615	0.5000
maternal	0.8317	0.1122	0.8317	0.7455	0.3693
messidor	0.6435	0.3565	0.6435	0.3172	0.7726
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	0.2222	0.5185	0.2222	0.0000	0.4199
meter-C	0.5000	0.2500	0.5000	0.2926	0.3304
meter-D	0.3889	0.3056	0.3889	0.1316	0.4793
mfeat-fac	0.3100	0.1380	0.3100	0.2333	0.3851
mfeat-fou	0.7750	0.0450	0.7750	0.7500	0.1875
mfeat-kar	0.7300	0.0540	0.7300	0.7000	0.2062
mfeat-mor	0.6650	0.0670	0.6650	0.6278	0.2289
mfeat-pix	0.3250	0.1350	0.3250	0.2500	0.3693
mfeat-zer	0.6150	0.0770	0.6150	0.5722	0.2759
mice-prot	0.8704	0.0324	0.8704	0.8515	0.1148
mines	0.5588	0.1765	0.5588	0.4522	0.3494
mobile	0.8900	0.0046	0.8568	0.8815	0.0570
monks-1	0.9273	0.0727	0.9273	0.8549	0.2661
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.5855	0.4145	0.5855	0.1938	0.5213
musk	0.9803	0.0197	0.9803	0.9212	0.1091
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9153
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.8088	0.1912	0.8088	0.6176	0.6395
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3289	0.8430
MUT_ci300400a	0.6855	0.3145	0.6855	0.3904	0.7597
MUT_ci300400a_cdk_ECFP2	0.6487	0.3513	0.6487	0.1885	0.6300
myocardial	0.8941	0.0265	0.8941	0.4975	0.0862
naticusdroid	0.9673	0.0327	0.9673	0.9345	0.1941
nci9	0.3333	0.1481	0.3333	0.2000	0.2131
ncRNA10%	0.9099	0.0095	0.9047	0.7244	0.2022
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9414	0.0586	0.9414	0.8529	0.3071
NPHA-doctor-visits	0.3889	0.4074	0.3889	-0.0663	0.8229
nursery	0.9653	0.0139	0.9653	0.9490	0.0908
obs	0.7407	0.1296	0.7407	0.5607	0.1852
occupancy	0.9869	0.0131	0.9869	0.9628	0.1100
Occupancy_Estimation	0.8440	0.0780	0.8440	0.6205	0.4378
oh0-wc	0.5941	0.0812	0.5941	0.5332	0.1917
oh10-wc	0.5524	0.0895	0.5524	0.4796	0.3076
oh15-wc	0.5870	0.0826	0.5870	0.5175	0.2475
oh5-wc	0.6484	0.0703	0.6484	0.5988	0.2489
opn310k	0.9117	0.0883	0.9117	0.0724	0.2845
opnat310k-hg16-17	0.9128	0.0872	0.9128	0.0932	0.2821
optdigits	0.6815	0.0637	0.6815	0.6459	0.3033
optdigitsZ	0.9929	0.0071	0.9929	0.9561	0.1305
orl	0.7250	0.0138	0.7250	0.7179	0.0558
orlraws10P	0.2000	0.1600	0.2000	0.1111	0.3505
ovarian-cancer	0.8800	0.1200	0.8800	0.7331	0.4856
ozone1hr	0.9407	0.0593	0.9407	-0.0293	0.6345
ozone8hr	0.9012	0.0988	0.9012	0.1909	0.6798
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8837	0.2274

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.9474	0.0526	0.9474	0.8550	0.1675
particle	0.8698	0.1302	0.8698	0.6774	0.5624
pasture	0.0000	0.6667	0.0000	-0.6000	0.5456
pc1	0.9099	0.0901	0.9099	0.2387	0.6639
pcmac	0.5052	0.4948	0.5052	-0.0392	0.9998
pd	0.8158	0.1842	0.8158	0.5254	0.6906
pediatric-leukemia	0.5000	0.1429	0.5000	0.3491	0.3231
pendigits	0.2748	0.1450	0.2748	0.1890	0.3731
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.7887	0.2113	0.7887	0.4899	0.6664
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6670	0.5914
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9755	0.0245	0.9755	0.9482	0.1381
phoneme	0.7944	0.2056	0.7944	0.5561	0.6411
phy	0.6270	0.3730	0.6270	0.2518	0.7850
pima	0.6447	0.3553	0.6447	0.2059	0.8767
plx	0.5000	0.5000	0.5000	-0.3279	0.9705
poker	0.7827	0.0431	0.7965	0.5831	0.1780
polish-1st	0.9687	0.0313	0.9687	0.4614	0.4444
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9486	0.0514	0.9486	0.0566	0.4658
polish-4th	0.9500	0.0500	0.9500	0.4117	0.5519
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6584	0.3416	0.6584	0.0670	0.5699
popularity	0.6310	0.2460	0.6310	0.0005	0.3140
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9631	0.0147	0.9631	0.9539	0.0810
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8828
primary-tumor	0.5152	0.0441	0.5152	0.4573	0.2015
profb	0.7910	0.2090	0.7910	0.4908	0.6818
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	0.7273	0.2727	0.7273	0.4407	0.7677
puc-rio	0.9548	0.0181	0.9548	0.9393	0.0916
pufs-6410%	0.5014	0.4986	0.5014	0.0027	0.9990
raisin	0.8778	0.1222	0.8778	0.7556	0.4920
re0-wc	0.6067	0.0605	0.6067	0.4131	0.3117
re1-wc	0.5361	0.0371	0.5361	0.4460	0.1908
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9789	0.0211	0.9789	0.9576	0.1234
rnaseq	0.5375	0.1850	0.5375	0.3374	0.3734
rocket	0.5936	0.4064	0.5936	0.0094	0.5873
RT_IOT2022	0.9961	0.0006	0.9961	0.9902	0.0074
satimage	0.8445	0.0518	0.8445	0.8085	0.2102
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.4286	0.1633	0.4286	0.0968	0.2105
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.6471	0.3529	0.6471	0.2941	0.8778
secom	0.8654	0.1346	0.8654	0.1539	0.6227
secondary_mushroom	0.6913	0.3087	0.6913	0.3320	0.5646
segment	0.3766	0.1781	0.3766	0.2619	0.3416
segmentO	0.9221	0.0779	0.9221	0.7454	0.4723

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9186	0.0814	0.9186	0.1823	0.6517
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sens-3-gram	0.8658	0.1342	0.8658	0.0754	0.5299
sens-4-gram	0.8406	0.1403	0.8598	0.1304	0.6343
sensorless	0.9928	0.0013	0.9928	0.9921	0.0142
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8621	0.1379	0.8621	0.2870	0.5830
shuttle	0.9969	0.0009	0.9969	0.9912	0.0197
sick	0.9576	0.0424	0.9576	0.6143	0.4497
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9986	0.0092
smk_can_187	0.4737	0.5263	0.4737	-0.0674	1.0000
solar-flare	0.7770	0.0743	0.7770	0.7148	0.2194
sonar	0.5000	0.5000	0.5000	0.0000	0.9243
soybean	0.9118	0.0093	0.9118	0.9029	0.0532
spambase	0.9174	0.0826	0.9174	0.8259	0.3807
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.7714	0.2286	0.7714	0.3636	0.7272
spectrometer	0.1887	0.0338	0.1887	0.1315	0.3022
splice-EI	0.9117	0.0883	0.9117	0.7697	0.4627
splice-IE	0.9085	0.0915	0.9085	0.7502	0.4814
sport-articles	0.7900	0.2100	0.7900	0.5470	0.6985
squash-stored	0.6000	0.2667	0.6000	0.3333	0.3447
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7641	0.2359	0.7641	0.0290	0.7699
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8935	0.0710	0.8935	0.8277	0.2475
steel-k	0.9795	0.0205	0.9795	0.9347	0.0802
steel-o	0.7077	0.2923	0.7077	0.2334	0.6710
steel-p	0.9231	0.0769	0.9231	0.4046	0.5933
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.4615	0.3590	0.4615	0.1415	0.6139
student-weekend	0.3385	0.2646	0.3385	0.0275	0.6523
student-workday	0.6406	0.1437	0.6406	0.0316	0.3886
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	1.0000	0.0000	1.0000	0.9790	0.0000
swarm_flocking	1.0000	0.0004	0.9997	1.0000	0.0046
swarm_grouped	0.9937	0.0000	0.9765	0.9837	0.0000
tae	0.7333	0.1778	0.7333	0.6000	0.3518
Tdp_desc	0.6667	0.3333	0.6667	0.1148	0.8478
texture	0.7436	0.0466	0.7436	0.7170	0.2344
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.1607	0.7805
Thyroid_Diff	0.9211	0.0789	0.9211	0.8131	0.4145
tic-tac-toe	0.9789	0.0211	0.9789	0.9536	0.1529
tis	0.8796	0.1204	0.8796	0.6455	0.4958
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.2353	0.3824	0.2353	-0.0474	0.6429
toxicity	0.5882	0.4118	0.5882	0.1314	0.9243
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0965	0.9113
trec11-wc	0.1951	0.1789	0.1951	0.0956	0.3741
trec12-wc	0.5484	0.1129	0.5484	0.4688	0.2588

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5417	0.1766
trec23-wc	0.5238	0.1587	0.5238	0.3333	0.3711
trec31-wc	0.6129	0.1106	0.6129	0.4253	0.2548
trec41-wc	0.3523	0.1295	0.3523	0.1996	0.3333
trec45-wc	0.5942	0.0812	0.5942	0.5362	0.2287
tuandromd	0.9821	0.0179	0.9821	0.9434	0.1312
turkish	0.5500	0.2250	0.5500	0.4000	0.3808
tvnews	0.9504	0.0540	0.9532	0.9023	0.2820
urban	0.2687	0.1625	0.2687	0.1205	0.3944
vehicle	0.5119	0.2440	0.5119	0.3613	0.5576
vehicleVAN	0.9524	0.0476	0.9524	0.8730	0.3040
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8372	0.1628	0.8372	0.6760	0.5146
vowel	0.5152	0.0882	0.5152	0.4667	0.2561
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.3397	0.0660	0.3397	0.1839	0.2800
warpar10p	0.3077	0.1385	0.3077	0.2148	0.2682
warppie10p	0.3810	0.1238	0.3810	0.3158	0.2903
watch-acc10%	0.9352	0.0185	0.9352	0.9243	0.0961
watch-gyr10%	0.9623	0.0108	0.9623	0.9559	0.0540
waveform	0.7480	0.1680	0.7480	0.6218	0.4868
web-phishing	0.8519	0.0988	0.8519	0.7384	0.4129
weight-lift	0.7121	0.1152	0.7121	0.6389	0.2413
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0690
wilt	0.9772	0.0228	0.9772	0.7723	0.4275
wine	0.7647	0.1569	0.7647	0.6136	0.2957
winequality-red	0.5975	0.1342	0.5975	0.3460	0.4497
winequality-white	0.5051	0.1414	0.5051	0.2385	0.5295
winnipeg	0.9568	0.0063	0.9905	0.9715	0.0479
yale	0.4375	0.0750	0.4375	0.4000	0.1413
yeast	0.5068	0.0986	0.5068	0.3667	0.3918
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7591	0.0482	0.7591	0.7303	0.2256
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 78: Detailed results for ECOC

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0815	0.3998
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8604	0.1396	0.8604	0.5767	0.5759
AID1284Morered	0.8056	0.1944	0.8056	-0.0862	0.8010
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.8000	0.2000	0.8000	0.0801	0.7395
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9375	0.0625	0.9375	-0.0286	0.6474
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9930	0.0070	0.9930	0.1572	0.4873
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9527	0.0236	0.9527	0.9082	0.1085
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9541	0.0115	0.9541	0.9235	0.0632
anuran-species	0.9417	0.0117	0.9417	0.9180	0.0756
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7111	0.0444	0.7111	0.4877	0.2147
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8696	0.0109	0.8696	0.8493	0.0224
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6593	0.0568	0.6593	0.4968	0.1742
balance	0.8548	0.0968	0.8548	0.7304	0.3532
bank	0.9109	0.0891	0.9109	0.5740	0.5959
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6288	0.6224
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9865	0.0009	0.9865	0.1236	0.0740
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.6071	0.3929	0.6071	0.1895	0.8342
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9483	0.0259	0.9483	0.8906	0.1534
card	0.8116	0.1884	0.8116	0.6223	0.6266
cardiotocography	0.8404	0.0319	0.8404	0.8069	0.1505
cardiotocography-nsp	0.9108	0.0595	0.9108	0.7651	0.3888
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5383	0.5265
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0557	0.5953
cdc_diabetes	0.8383	0.1078	0.8383	0.1937	0.5733
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.4934	0.6985
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2567	0.7938
cirrhosis	0.5952	0.2698	0.5952	0.2031	0.6354
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7880	0.1060	0.7880	0.6749	0.4578
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4875
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.5714	0.2857	0.5714	0.3330	0.6739
cnae-9	0.8519	0.0329	0.8519	0.8333	0.1322
codon_usage	0.6523	0.0632	0.6523	0.5654	0.2487
coil20	0.8542	0.0146	0.8542	0.8466	0.0633
collins	0.9400	0.0080	0.9400	0.9340	0.0359
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.6774	0.2151	0.6774	0.4825	0.3163
connect-4	0.9825	0.0116	0.9825	0.4875	0.3193
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3732	0.8280
covtype	0.7168	0.0809	0.7168	0.5337	0.2967
covtypeCD	0.9766	0.0234	0.9766	0.9006	0.2376
covtypeT	0.9779	0.0221	0.9779	0.8275	0.3205
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8571	0.0476	0.8571	0.6758	0.2272
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1562	0.0422	0.1562	0.1334	0.2457
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8969	0.1031	0.8969	0.4354	0.6194
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.2500	0.5000	0.2500	0.0000	0.4274
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5403	0.3065	0.5403	0.0080	0.3854
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7201	0.1866	0.7201	0.5422	0.5242
drug-01	0.3989	0.1717	0.3989	0.0131	0.3789
drug-02	0.5053	0.1413	0.5053	0.0115	0.4528
drug-03	0.6809	0.0912	0.6809	0.0048	0.2724
drug-04	0.4096	0.1687	0.4096	0.0826	0.4781
drug-05	0.7234	0.0790	0.7234	-0.0160	0.2475
drug-06	0.3670	0.1809	0.3670	0.2094	0.4656
drug-07	0.1596	0.2401	0.1596	-0.0113	0.3131
drug-08	0.5426	0.1307	0.5426	0.0297	0.4161
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5426	0.1307	0.5426	0.0342	0.3455
drug-11	0.8457	0.0441	0.8457	-0.0070	0.2075
drug-12	0.7819	0.0623	0.7819	0.0053	0.2587
drug-13	0.6170	0.1094	0.6170	0.2380	0.3693
drug-14	0.5904	0.1170	0.5904	0.2726	0.4302
drug-15	0.7500	0.0714	0.7500	0.0475	0.4254
drug-16	0.4840	0.1474	0.4840	0.1543	0.4689
drug-17	0.3936	0.1733	0.3936	0.1499	0.4883
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	0.0091	0.2259
drybean	0.9126	0.0250	0.9126	0.8942	0.1293
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1454	0.1068	0.1454	0.0351	0.3832
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.2802	0.5153
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6690	0.5584
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.6164	0.1534	0.6164	0.4920	0.2989
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9614	0.0222	0.9906	0.9549	0.1389
fbis-wc	0.6382	0.0426	0.6382	0.5726	0.2050
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5000	0.1250	0.5000	0.3421	0.2369
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.4771	0.0065	0.4920	0.4471	0.2876
forest	0.8846	0.0577	0.8846	0.8408	0.1704
gas	0.9288	0.0237	0.9288	0.9138	0.1105
gastrointestinal	0.5625	0.2917	0.5625	0.3812	0.4805
gender	0.5811	0.2793	0.5811	-0.0059	0.4717
gene	0.9022	0.0652	0.9022	0.8432	0.2481
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.7619	0.0794	0.7619	0.6708	0.2320
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3548	0.8301
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.6000	0.2000	0.6000	0.4444	0.1161
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1867	0.5702
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8902	0.0183	0.8902	0.8699	0.0992
har70	0.9201	0.0234	0.9395	0.8715	0.1198
harth10%	0.8794	0.0216	0.8722	0.8048	0.1576
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7956	0.1947	0.8077	0.6196	0.5972
hERG-121inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5503	0.4567	0.5406	0.0530	0.5789
higher	0.2857	0.1786	0.2857	0.1463	0.3024
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5237	0.6374
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.5556	0.2963	0.5556	0.2490	0.7126
htru2	0.9777	0.0223	0.9777	0.8596	0.2396
ht-sensor	0.6709	0.2194	0.6709	0.5160	0.3656
hypothyroid	0.9841	0.0080	0.9841	0.9040	0.1304
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.3710	0.0484	0.3710	0.3458	0.3041
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
fvowels	0.8303	0.0377	0.8303	0.8081	0.2230
kc1	0.8531	0.1469	0.8531	0.2727	0.6396
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.0744	0.2234
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8428	0.0175	0.8428	0.8243	0.2233
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7331	0.0864	0.7437	0.6791	0.3625
la2s-wc	0.7466	0.0798	0.7767	0.6970	0.3245
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4412	0.0279	0.4412	0.4206	0.1240
led24	0.6500	0.0700	0.6500	0.6078	0.1463
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4115	0.0453	0.4115	0.3890	0.3503
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5833	0.0556	0.5833	0.5519	0.1761
linkage10%	1.0000	0.0000	0.9922	0.9907	0.0001
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.4486	0.1003	0.4486	0.2634	0.3240
lrs	0.8113	0.0377	0.8113	0.7402	0.1393
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7791	0.2209	0.7791	0.4462	0.5424

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5806	0.6792
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7327	0.1782	0.7327	0.5936	0.4703
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	0.8889	0.0741	0.8889	0.8235	0.1114
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9241	0.0699
mfeat-fac	0.8850	0.0230	0.8850	0.8722	0.1157
mfeat-fou	0.6600	0.0680	0.6600	0.6222	0.2567
mfeat-kar	0.7100	0.0580	0.7100	0.6778	0.2720
mfeat-mor	0.7350	0.0530	0.7350	0.7056	0.1830
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0583
mfeat-zer	0.5800	0.0840	0.5800	0.5333	0.3133
mice-prot	0.9815	0.0046	0.9815	0.9788	0.0217
mines	0.3235	0.2706	0.3235	0.1481	0.6186
mobile	0.8751	0.0046	0.8550	0.8821	0.0557
monks-1	0.7091	0.2909	0.7091	0.4195	0.7967
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8706	0.0324	0.8706	0.4123	0.3045
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9209	0.0096	0.9138	0.7261	0.2031
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9277	0.0723	0.9277	0.8266	0.3938
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0701	0.6979
nursery	0.9931	0.0028	0.9931	0.9898	0.0255
obs	0.8889	0.0556	0.8889	0.8401	0.1235
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0143
oh0-wc	0.8812	0.0238	0.8812	0.8645	0.1193
oh10-wc	0.6381	0.0724	0.6381	0.5866	0.2732
oh15-wc	0.7609	0.0478	0.7609	0.7256	0.2100
oh5-wc	0.7033	0.0593	0.7033	0.6599	0.2125
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9324	0.0135	0.9324	0.9248	0.0932
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.6000	0.0200	0.6000	0.5897	0.0879
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9289	0.0711	0.9289	-0.0369	0.6062
ozone8hr	0.8933	0.1067	0.8933	0.0753	0.6985
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9616	0.0154	0.9616	0.7821	0.2350

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7368	0.2632	0.7368	0.3624	0.7894
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.7941	0.0588	0.7941	0.7489	0.1637
pendigits	0.9827	0.0035	0.9827	0.9808	0.0271
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.7944	0.2056	0.7944	0.5652	0.6136
phy	0.6274	0.3726	0.6274	0.2526	0.7838
pima	0.6447	0.3553	0.6447	0.1752	0.8270
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.7659	0.0439	0.7675	0.5864	0.1752
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6310	0.2460	0.6310	0.0038	0.3438
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.7761	0.0896	0.7761	0.7194	0.2487
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.4242	0.0523	0.4242	0.3589	0.2251
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.8908	0.0437	0.8908	0.8509	0.1355
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8444	0.1556	0.8444	0.6889	0.5491
re0-wc	0.5933	0.0626	0.5933	0.3878	0.3040
re1-wc	0.6988	0.0241	0.6988	0.6438	0.1857
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9991	0.0001	0.9991	0.9978	0.0014
satimage	0.8694	0.0435	0.8694	0.8384	0.1885
satimageF	0.9813	0.0187	0.9813	0.9062	0.2602
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9567	0.0124	0.9567	0.9494	0.0513
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8552	0.1418	0.8764	0.1314	0.6497
sensorless	0.9012	0.0180	0.9012	0.8913	0.0758
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4397	0.5578
shuttle	0.9997	0.0001	0.9997	0.9990	0.0230
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9910	0.0090	0.9910	0.9731	0.1177
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7842	0.0719	0.7842	0.7232	0.2049
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.2264	0.0322	0.2264	0.1784	0.2175
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9085	0.0915	0.9085	0.7408	0.4660
sport-articles	0.7600	0.2400	0.7600	0.4852	0.7487
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7897	0.2103	0.7897	0.0535	0.5552
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8887	0.0742	0.8887	0.8200	0.2564
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.8974	0.1026	0.8974	0.2780	0.6749
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9538	0.0462	0.9538	0.7746	0.4674
studentap	0.5385	0.3077	0.5385	0.2500	0.5362
student-weekend	0.3385	0.2646	0.3385	0.0315	0.7223
student-workday	0.6875	0.1250	0.6875	0.0704	0.3264
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	0.9779	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9889	0.9799	0.0048
swarm_grouped	0.9855	0.0000	1.0000	0.9844	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6620
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9564	0.0079	0.9564	0.9519	0.0573
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8411	0.1292
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.8537	0.0325	0.8537	0.8185	0.1444
trec12-wc	0.9032	0.0242	0.9032	0.8827	0.0538

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6236	0.1940
trec23-wc	0.9048	0.0317	0.9048	0.8720	0.1218
trec31-wc	0.9355	0.0184	0.9355	0.9134	0.0830
trec41-wc	0.9432	0.0114	0.9432	0.9305	0.0571
trec45-wc	0.8841	0.0232	0.8841	0.8637	0.0824
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.7250	0.1375	0.7250	0.6333	0.3336
tvnews	0.9569	0.0532	0.9639	0.8666	0.2789
urban	0.8358	0.0365	0.8358	0.8082	0.1486
vehicle	0.7619	0.1190	0.7619	0.6711	0.3187
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5000	0.5000	0.5000	-0.1250	0.9835
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.3333	0.1212	0.3333	0.2667	0.3561
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.6218	0.0378	0.6218	0.5705	0.2057
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8697	0.0372	0.8697	0.8475	0.1453
watch-gyr10%	0.8796	0.0344	0.8796	0.8594	0.1069
waveform	0.6640	0.2240	0.6640	0.4957	0.5367
web-phishing	0.8741	0.0840	0.8741	0.7802	0.3839
weight-lift	0.7231	0.1108	0.7231	0.6531	0.2894
white-clover	0.1667	0.4167	0.1667	-0.6667	0.3708
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	0.9412	0.0392	0.9412	0.9006	0.1533
winequality-red	0.4717	0.1761	0.4717	0.1484	0.4644
winequality-white	0.4703	0.1513	0.4703	0.1778	0.5361
winnipeg	0.9744	0.0062	0.9718	0.9699	0.0476
yale	0.5625	0.0583	0.5625	0.5314	0.1084
yeast	0.5473	0.0905	0.5473	0.4151	0.3463
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.7796	0.0441	0.7796	0.7522	0.2518
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 79: Detailed results for ECOC(sparse)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1103	0.0614	0.1103	0.0400	0.3708
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.8904	0.1096	0.8904	0.2808	0.5905
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8604	0.1396	0.8604	0.5778	0.5778
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9597	0.0202	0.9597	0.9223	0.0980
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9513	0.0122	0.9513	0.9188	0.0705
anuran-species	0.9389	0.0122	0.9389	0.9140	0.0634
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7111	0.0444	0.7111	0.5430	0.2939
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8261	0.0145	0.8261	0.7996	0.0224
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7288	0.1396
avila	0.7230	0.0462	0.7230	0.6047	0.1449
balance	0.8065	0.1290	0.8065	0.6484	0.3995
bank	0.9094	0.0906	0.9094	0.5709	0.5994
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6288	0.6224
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9872	0.0009	0.9872	0.3060	0.2498
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.6071	0.3929	0.6071	0.1895	0.8342
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1471
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9018	0.1456
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8310	0.0338	0.8310	0.7954	0.1685
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8180	0.2886
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5541	0.4786
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0557	0.5953
cdc_diabetes	0.8448	0.1034	0.8448	0.1769	0.3311
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.4934	0.6985
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2567	0.7938
cirrhosis	0.6429	0.2381	0.6429	0.3107	0.6249
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7824	0.1088	0.7824	0.6641	0.4779
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.5918	0.2721	0.5918	0.3600	0.6616
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0656
codon_usage	0.7068	0.0533	0.7068	0.6369	0.2251
coil20	0.7569	0.0243	0.7569	0.7440	0.0970
collins	0.8800	0.0160	0.8800	0.8674	0.0454
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.7097	0.1935	0.7097	0.5311	0.3148
connect-4	0.9833	0.0112	0.9833	0.4276	0.1068
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3729	0.8278
covtype	0.7188	0.0803	0.7188	0.5409	0.3869
covtypeCD	0.9766	0.0234	0.9766	0.9006	0.2376
covtypeT	0.9779	0.0221	0.9779	0.8275	0.3205
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8341	0.0553	0.8341	0.6090	0.2405
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1562	0.0422	0.1562	0.1403	0.2071
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8257	0.1743	0.8257	0.3867	0.6332
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5383	0.3078	0.5383	0.0016	0.3777
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5539	0.4461	0.5539	0.0772	0.8886
dropout	0.7201	0.1866	0.7201	0.5313	0.5139
drug-01	0.3883	0.1748	0.3883	0.0226	0.4789
drug-02	0.5053	0.1413	0.5053	0.0145	0.4521
drug-03	0.6755	0.0927	0.6755	-0.0121	0.2878
drug-04	0.4787	0.1489	0.4787	0.1473	0.4677
drug-05	0.7181	0.0805	0.7181	0.0133	0.3389
drug-06	0.3617	0.1824	0.3617	0.2110	0.5977
drug-07	0.3989	0.1717	0.3989	-0.0376	0.3836
drug-08	0.5266	0.1353	0.5266	0.1275	0.4775
drug-09	0.8617	0.0395	0.8617	-0.0064	0.2133
drug-10	0.5319	0.1337	0.5319	0.0079	0.4067
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7766	0.0638	0.7766	-0.0202	0.2717
drug-13	0.6170	0.1094	0.6170	0.1857	0.2946
drug-14	0.6011	0.1140	0.6011	0.2016	0.4181
drug-15	0.7394	0.0745	0.7394	0.0733	0.5658
drug-16	0.5638	0.1246	0.5638	0.3144	0.4752
drug-17	0.3564	0.1839	0.3564	0.0856	0.4848
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	-0.0068	0.2303
drybean	0.9030	0.0277	0.9030	0.8830	0.1442
ecoli	0.7353	0.0662	0.7353	0.6404	0.1463
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2306	0.0962	0.2306	0.1212	0.4277
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.3556	0.5608
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6690	0.5584
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.6027	0.1589	0.6027	0.4766	0.3033
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9657	0.0218	0.9706	0.9376	0.1376
fbis-wc	0.6707	0.0387	0.6707	0.6169	0.1840
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3500	0.1625	0.3500	0.0972	0.3154
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.4955	0.0067	0.4812	0.4531	0.2846
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9490	0.0170	0.9490	0.9380	0.0719
gastrointestinal	0.6875	0.2083	0.6875	0.5210	0.3282
gender	0.5853	0.2765	0.5853	0.0042	0.4311
gene	0.9401	0.0400	0.9401	0.9036	0.1859
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.6190	0.1270	0.6190	0.4783	0.3520
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3750	0.4406
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8984	0.0169	0.8984	0.8799	0.0955
har70	0.9296	0.0232	0.9366	0.8989	0.1190
harth10%	0.8873	0.0222	0.8601	0.8077	0.1577
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8082	0.1920	0.7831	0.5906	0.5989
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5657	0.4503	0.5425	0.0542	0.5885
higher	0.2857	0.1786	0.2857	0.1617	0.3335
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8668	0.1332	0.8668	0.5230	0.6468
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.5833	0.2778	0.5833	0.2552	0.6720
htru2	0.9771	0.0229	0.9771	0.8573	0.2568
ht-sensor	0.7324	0.1784	0.7324	0.6006	0.4323
hypothyroid	0.9894	0.0053	0.9894	0.9359	0.0899
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5366	0.0356	0.5366	0.5181	0.2501
jm1	0.8026	0.1974	0.8026	0.0316	0.5512
fvowels	0.8313	0.0375	0.8313	0.8088	0.1584
kc1	0.8531	0.1469	0.8531	0.2954	0.6557
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1340	0.1688
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8307	0.0188	0.8307	0.8108	0.2019
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7241	0.0872	0.7398	0.6635	0.3601
la2s-wc	0.7519	0.0807	0.7716	0.6906	0.3283
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5000	0.0250	0.5000	0.4821	0.0884
led24	0.6000	0.0800	0.6000	0.5531	0.1765
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.3630	0.0490	0.3630	0.3364	0.3176
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7012	0.1045
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0002
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.4818	0.0942	0.4818	0.2619	0.3244
lrs	0.8113	0.0377	0.8113	0.7384	0.1179
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.8190	0.1639
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8400	0.0648
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7801	0.2199	0.7801	0.4492	0.5414

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5817	0.6807
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7426	0.1716	0.7426	0.6061	0.4455
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9217	0.0489
mfeat-fac	0.7550	0.0490	0.7550	0.7278	0.1494
mfeat-fou	0.7000	0.0600	0.7000	0.6667	0.2486
mfeat-kar	0.7500	0.0500	0.7500	0.7222	0.2220
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.1960
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.0872
mfeat-zer	0.5600	0.0880	0.5600	0.5111	0.2785
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0118
mines	0.5588	0.1765	0.5588	0.4481	0.3979
mobile	0.8608	0.0044	0.8907	0.8855	0.0561
monks-1	0.7091	0.2909	0.7091	0.4195	0.7967
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8765	0.0309	0.8765	0.4381	0.2951
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.3333	0.1481	0.3333	0.2258	0.1458
ncRNA10%	0.8925	0.0095	0.9189	0.7215	0.2055
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9283	0.0717	0.9283	0.8271	0.3910
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0734	0.6528
nursery	0.9923	0.0031	0.9923	0.9887	0.0374
obs	0.8981	0.0509	0.8981	0.8530	0.1194
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9901	0.0049	0.9901	0.9698	0.0356
oh0-wc	0.8713	0.0257	0.8713	0.8514	0.1079
oh10-wc	0.6476	0.0705	0.6476	0.6028	0.2881
oh15-wc	0.7717	0.0457	0.7717	0.7420	0.2107
oh5-wc	0.6703	0.0659	0.6703	0.6190	0.2098
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.8879	0.0224	0.8879	0.8754	0.1105
optdigitsZ	0.9893	0.0107	0.9893	0.9329	0.1458
orl	0.5000	0.0250	0.5000	0.4872	0.0968
orlraws10P	0.6000	0.0800	0.6000	0.5556	0.1106
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9289	0.0711	0.9289	-0.0369	0.6062
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9653	0.0139	0.9653	0.7993	0.2282

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7368	0.2632	0.7368	0.3624	0.7894
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	0.7500	0.1667	0.7500	0.6000	0.1321
pc1	0.8829	0.1171	0.8829	0.0708	0.6940
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.7941	0.0588	0.7941	0.7521	0.1837
pendigits	0.8853	0.0229	0.8853	0.8725	0.0571
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.7852	0.2148	0.7852	0.5494	0.6193
phy	0.6276	0.3724	0.6276	0.2530	0.7837
pima	0.7105	0.2895	0.7105	0.3871	0.8164
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.7857	0.0437	0.7780	0.5784	0.1719
polish-1st	0.9545	0.0455	0.9545	0.0937	0.5648
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9520	0.0480	0.9520	0.4104	0.5237
polish-5th	0.9543	0.0457	0.9543	0.5496	0.3677
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6313	0.2458	0.6313	0.0030	0.3300
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.7189	0.1124	0.7189	0.6501	0.1935
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3636	0.0579	0.3636	0.2796	0.2004
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9392	0.0243	0.9392	0.9179	0.0959
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8444	0.1556	0.8444	0.6889	0.5491
re0-wc	0.7133	0.0441	0.7133	0.5939	0.2660
re1-wc	0.7771	0.0178	0.7771	0.7422	0.1761
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9462	0.0090	0.9462	0.8647	0.0255
satimage	0.8663	0.0446	0.8663	0.8350	0.1865
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.8927	0.1073	0.8927	0.0545	0.5389
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9394	0.0173	0.9394	0.9291	0.0672
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8518	0.1411	0.8453	0.1293	0.6554
sensorless	0.8287	0.0311	0.8287	0.8116	0.1046
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9732	0.1170
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7626	0.0791	0.7626	0.6961	0.2115
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9853	0.0015	0.9853	0.9839	0.0063
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.3585	0.0267	0.3585	0.3246	0.1530
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7600	0.2400	0.7600	0.4852	0.7487
squash-stored	0.8000	0.1333	0.8000	0.7059	0.1585
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8873	0.0752	0.8873	0.8176	0.2578
steel-k	0.9744	0.0256	0.9744	0.9221	0.2232
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.8974	0.1026	0.8974	0.2780	0.6749
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8093	0.4129
studentap	0.6154	0.2564	0.6154	0.3981	0.5877
student-weekend	0.3231	0.2708	0.3231	-0.0124	0.6819
student-workday	0.6719	0.1313	0.6719	0.0725	0.3715
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	1.0000	0.0000	0.9927	0.9813	0.0000
swarm_flocking	1.0000	0.0004	1.0000	0.9988	0.0046
swarm_grouped	0.9760	0.0000	0.9914	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.4179
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.8673	0.0241	0.8673	0.8540	0.0910
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8586	0.3353
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1881
tox_171	0.7647	0.1176	0.7647	0.6822	0.2126
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.8780	0.0271	0.8780	0.8498	0.0977
trec12-wc	0.8710	0.0323	0.8710	0.8448	0.0962

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5761	0.1922
trec23-wc	0.9048	0.0317	0.9048	0.8720	0.1218
trec31-wc	0.9462	0.0154	0.9462	0.9279	0.0803
trec41-wc	0.9545	0.0091	0.9545	0.9444	0.0536
trec45-wc	0.8986	0.0203	0.8986	0.8821	0.0654
tuandromd	0.9843	0.0157	0.9843	0.9519	0.1658
turkish	0.7500	0.1250	0.7500	0.6667	0.3484
tvnews	0.9517	0.0535	0.9544	0.8674	0.2832
urban	0.8209	0.0398	0.8209	0.7912	0.1670
vehicle	0.8452	0.0774	0.8452	0.7845	0.1339
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8140	0.1860	0.8140	0.6301	0.5432
vowel	0.4141	0.1065	0.4141	0.3556	0.2903
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.6795	0.0321	0.6795	0.6401	0.1836
warpar10p	0.6154	0.0769	0.6154	0.5724	0.1292
warppiel0p	0.9524	0.0095	0.9524	0.9468	0.0229
watch-acc10%	0.7812	0.0625	0.7812	0.7441	0.1542
watch-gyr10%	0.8403	0.0456	0.8403	0.8135	0.1301
waveform	0.6880	0.2080	0.6880	0.5323	0.5298
web-phishing	0.9037	0.0642	0.9037	0.8319	0.3189
weight-lift	0.8859	0.0457	0.8859	0.8552	0.1796
white-clover	0.1667	0.4167	0.1667	-0.6667	0.3708
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0484
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4843	0.1719	0.4843	0.1278	0.4069
winequality-white	0.3906	0.1741	0.3906	0.1954	0.5579
winnipeg	0.9861	0.0064	0.9538	0.9698	0.0483
yale	0.6250	0.0500	0.6250	0.6000	0.0882
yeast	0.3716	0.1257	0.3716	0.2013	0.3844
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.7645	0.0471	0.7645	0.7364	0.2024
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 80: Detailed results for AdaBoost.MH

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1439	0.0590	0.1439	0.0431	0.3957
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9378	0.0622	0.9378	0.1847	0.4262
ads	0.9726	0.0274	0.9726	0.8830	0.2343
adult	0.8073	0.1927	0.8073	0.2607	0.3673
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7333	0.2667	0.7333	-0.0761	0.8605
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6757	0.3243	0.6757	0.2816	0.8203
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9993	0.0007	0.9993	0.8849	0.0042
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9882	0.0118	0.9882	-0.0040	0.5155
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.4361	0.5639	0.4361	0.0056	0.0349
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	0.6667	0.3333	0.6667	0.0000	0.4644
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9694	0.0153	0.9694	0.9411	0.0623
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9611	0.0097	0.9611	0.9352	0.0536
anuran-species	0.9722	0.0056	0.9722	0.9612	0.0670
aps-failure	0.9859	0.0263	0.9737	0.5050	0.5454
arcene	0.5000	0.5000	0.5000	-0.1364	1.0000
arrhythmia	0.7556	0.0376	0.7556	0.5837	0.1932
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.9130	0.0072	0.9130	0.9004	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.5855	0.0691	0.5855	0.4412	0.2530
balance	0.8548	0.0968	0.8548	0.7424	0.3577
bank	0.8866	0.1134	0.8866	0.0245	0.3646
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.8318	0.1682	0.8318	0.5999	0.4486
basehock	0.9899	0.0100	0.9899	0.9799	0.0768
bio	0.9922	0.0078	0.9922	0.6375	0.5185
biodeg	0.7905	0.2095	0.7905	0.5188	0.5898
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9868	0.0009	0.9868	0.2781	0.2012
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.6786	0.3214	0.6786	0.1818	0.8787
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.3636	0.6364	0.3636	-0.3051	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9099	0.0901	0.9099	0.0204	0.2261
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9598	0.0201	0.9598	0.9160	0.1671
card	0.8841	0.1159	0.8841	0.7643	0.4795
cardiotocography	0.8122	0.0376	0.8122	0.7729	0.1752
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8049	0.3007
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7717	0.2506
cas_N6512_cdk_ECFP2	0.6160	0.3840	0.6160	0.1903	0.7786
cdc_diabetes	0.6513	0.2325	0.6513	0.2271	0.3685
census10%	0.9415	0.0585	0.9415	0.0412	0.1524
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9998	0.0002	0.9998	0.8745	0.1010
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.5985	0.6406
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6824	0.5726
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.6947	0.3053	0.6947	0.3182	0.8315
cirrhosis	0.7143	0.1905	0.7143	0.4028	0.3993
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8167	0.0917	0.8167	0.7153	0.3988
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.3333	0.4444	0.3333	-0.2632	0.6119
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5034	0.3311	0.5034	0.2187	0.6848
cnae-9	0.5741	0.0946	0.5741	0.5208	0.2055
codon_usage	0.7114	0.0525	0.7114	0.6448	0.2545
coil20	0.9792	0.0021	0.9792	0.9781	0.0150
collins	0.9600	0.0053	0.9600	0.9560	0.0291
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6207	0.3793	0.6207	0.0963	0.9266
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6552	0.3448	0.6552	0.2961	0.7083
colposcopies-c	0.8276	0.1724	0.8276	0.5511	0.6703
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9708	0.0194	0.9708	0.5543	0.5322
cottonmeloidogyne	0.5433	0.4567	0.5433	0.0940	0.6408
coupon	0.7098	0.2902	0.7098	0.4013	0.8103
covtype	0.9664	0.0111	0.9678	0.9455	0.1060
covtypeCD	0.9836	0.0164	0.9836	0.9280	0.1195
covtypeT	0.9808	0.0192	0.9808	0.8506	0.2954
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8009	0.0664	0.8009	0.5768	0.2341
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5171	0.0770
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7790	0.2210	0.7790	0.0000	0.3738
deposit	0.8837	0.1163	0.8837	0.0128	0.2649
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.8500	0.1500	0.8500	0.7000	0.5201
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.4504	0.7526
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5403	0.3065	0.5403	0.0062	0.3776
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.3750	0.6250	0.3750	0.0909	0.4711
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5799	0.4201	0.5799	0.1384	0.9066
dropout	0.3928	0.4048	0.3928	0.2135	0.4553
drug-01	0.2660	0.2097	0.2660	-0.0214	0.3929
drug-02	0.1809	0.2340	0.1809	0.0305	0.4737
drug-03	0.3404	0.1885	0.3404	0.0962	0.3971
drug-04	0.3404	0.1885	0.3404	0.0479	0.5231
drug-05	0.2021	0.2280	0.2021	-0.0335	0.2876
drug-06	0.2447	0.2158	0.2447	0.0055	0.4976
drug-07	0.3777	0.1778	0.3777	-0.0185	0.4201
drug-08	0.3245	0.1930	0.3245	-0.0385	0.4482
drug-09	0.8564	0.0410	0.8564	-0.0122	0.3265
drug-10	0.2394	0.2173	0.2394	0.0202	0.4739
drug-11	0.8457	0.0441	0.8457	0.0215	0.2204
drug-12	0.4149	0.1672	0.4149	0.0899	0.2183
drug-13	0.2181	0.2234	0.2181	0.0245	0.3686
drug-14	0.5585	0.1261	0.5585	0.0393	0.4177
drug-15	0.2394	0.2173	0.2394	0.0436	0.4397
drug-16	0.5213	0.1368	0.5213	0.1147	0.4300
drug-17	0.2447	0.2158	0.2447	0.0186	0.4503
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0755	0.2501
drybean	0.9030	0.0277	0.9030	0.8829	0.1333
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6341	0.5914
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1544	0.1057	0.1544	0.0142	0.3836
eeg-eye	0.5100	0.4900	0.5100	0.0998	0.5495
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.4115	0.8025
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4841	0.6670
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6285	0.6082
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7710	0.4703
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6164	0.1534	0.6164	0.5068	0.3894
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9561	0.0213	0.9784	0.9332	0.1421
fbis-wc	0.4715	0.0622	0.4715	0.3955	0.2641
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5500	0.1125	0.5500	0.4231	0.2346
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4919	0.0067	0.4822	0.4467	0.2842
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8152	0.0616	0.8152	0.7746	0.1620
gastrointestinal	0.8125	0.1250	0.8125	0.7126	0.1983
gender	0.5789	0.2807	0.5789	-0.0111	0.4530
gene	0.9369	0.0421	0.9369	0.8990	0.1712
german	0.6400	0.3600	0.6400	0.0137	0.7500
gina	0.6801	0.3199	0.6801	0.3522	0.5898
glass	0.8095	0.0635	0.8095	0.7407	0.2171
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	0.5000	0.5000	0.5000	0.0000	0.8322
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1718	0.6297
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9286	0.0119	0.9286	0.9156	0.0811
har70	0.9264	0.0225	0.9057	0.8705	0.1164
harth10%	0.8724	0.0220	0.8556	0.8050	0.1597
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6637	0.5926
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8178	0.1948	0.8159	0.6153	0.6017
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5410	0.4437	0.5401	0.0538	0.5968
higher	0.2143	0.1964	0.2143	0.0833	0.3277
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.7757	0.2243	0.7757	0.4384	0.6251
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6389	0.2407	0.6389	0.3545	0.6021
htru2	0.9777	0.0223	0.9777	0.8620	0.2617
ht-sensor	0.4844	0.3437	0.4844	0.1891	0.4871
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9947	0.0053	0.9947	0.9626	0.1146
ilpd	0.6780	0.3220	0.6780	0.1397	0.8847
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5828	0.0321	0.5828	0.5661	0.2062
jm1	0.8099	0.1901	0.8099	0.0677	0.4909
fvowels	0.7349	0.0589	0.7349	0.6996	0.2048
kc1	0.4739	0.5261	0.4739	0.1409	0.4758
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3824	0.7363
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8050	0.0217	0.8050	0.7824	0.2333
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7404	0.0883	0.7420	0.6726	0.3722
la2s-wc	0.7494	0.0787	0.7541	0.7079	0.3283
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.7647	0.0118	0.7647	0.7523	0.0503
led24	0.6500	0.0700	0.6500	0.6034	0.1308
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.2280	0.0594	0.2280	0.2001	0.3651
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.5714	0.4286	0.5714	0.1600	0.9174
libra	0.8889	0.0148	0.8889	0.8807	0.0496
linkage10%	0.9906	0.0000	1.0000	0.9744	0.0001
liver	0.6471	0.3529	0.6471	0.1535	0.9051
localization	0.1389	0.1566	0.1389	0.0194	0.3473
lrs	0.8113	0.0377	0.8113	0.7374	0.1637
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.3333	0.6667	0.3333	0.0000	0.5000
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5077	0.4923	0.5077	0.0154	0.9946
magic04	0.7806	0.2194	0.7806	0.4508	0.5408

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6645	0.5960
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7327	0.1782	0.7327	0.5884	0.4302
messidor	0.6174	0.3826	0.6174	0.2751	0.7639
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	0.3333	0.4444	0.3333	0.0000	0.4024
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0830
mfeat-fou	0.6550	0.0690	0.6550	0.6167	0.2047
mfeat-kar	0.6750	0.0650	0.6750	0.6389	0.2053
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1897
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.0895
mfeat-zer	0.4450	0.1110	0.4450	0.3833	0.2861
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.5588	0.1765	0.5588	0.4463	0.4049
mobile	0.8822	0.0044	0.8620	0.8566	0.0577
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9379	0.0621	0.9379	0.7358	0.3482
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9588
mutagen_class_2	0.6176	0.3824	0.6176	0.2353	0.8249
mutagen_class_3	0.5652	0.4348	0.5652	0.1244	0.8983
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7445
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3642	0.8267
MUT_ci300400a	0.6178	0.3822	0.6178	0.1239	0.6318
MUT_ci300400a_cdk_ECFP2	0.6295	0.3705	0.6295	0.1363	0.6237
myocardial	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid	0.9475	0.0525	0.9475	0.8950	0.2725
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9034	0.0097	0.9087	0.7162	0.2090
newspop	0.5333	0.4667	0.5333	0.0024	0.5330
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9002	0.0998	0.9002	0.7716	0.4597
NPHA-doctor-visits	0.4028	0.3981	0.4028	-0.0154	0.8155
nursery	0.9961	0.0015	0.9961	0.9943	0.0230
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.3762	0.1248	0.3762	0.2539	0.2730
oh10-wc	0.5810	0.0838	0.5810	0.5115	0.2464
oh15-wc	0.4891	0.1022	0.4891	0.4254	0.2869
oh5-wc	0.4505	0.1099	0.4505	0.3570	0.2953
opn310k	0.9149	0.0851	0.9149	0.1752	0.3896
opnat310k-hg16-17	0.8932	0.0882	0.9286	0.0391	0.2507
optdigits	0.9359	0.0128	0.9359	0.9288	0.0888
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.6750	0.0163	0.6750	0.6667	0.0874
orlraws10P	0.1000	0.1800	0.1000	0.0000	0.3220
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9209	0.0791	0.9209	0.0719	0.4911
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9799	0.0080	0.9799	0.8815	0.1193

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.7259	0.2741	0.7259	0.0336	0.4288
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.4485	0.5515	0.4485	-0.1050	1.0000
pd	0.8816	0.1184	0.8816	0.6400	0.4189
pediatric-leukemia	0.5882	0.1176	0.5882	0.4989	0.3197
pendigits	0.9754	0.0049	0.9754	0.9727	0.0380
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.3636	1.0000
P-Glycoprotein_b_Inhibitor	0.5825	0.4175	0.5825	0.2622	0.6715
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6308	0.6174
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.6741	0.3259	0.6741	0.3902	0.6122
phy	0.5028	0.4972	0.5028	0.0000	0.5459
pima	0.6842	0.3158	0.6842	0.2525	0.6773
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7745	0.0447	0.7838	0.5863	0.1725
polish-1st	0.9061	0.0939	0.9061	0.1514	0.5481
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.7238	0.2762	0.7238	0.0875	0.3647
polish-4th	0.6265	0.3735	0.6265	0.0782	0.3277
polish-5th	0.9306	0.0694	0.9306	0.4914	0.6048
polya	0.6768	0.3232	0.6768	0.1681	0.7411
popularity	0.6313	0.2458	0.6313	0.0009	0.2992
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.4768	0.2093	0.4768	0.3419	0.2998
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.9095
primary-tumor	0.2727	0.0661	0.2727	0.1793	0.2987
profb	0.7612	0.2388	0.7612	0.4586	0.7576
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.6364	0.3636	0.6364	0.2667	0.8952
puc-rio	0.7855	0.0858	0.7855	0.7143	0.1864
pufs-6410%	0.4907	0.5093	0.4907	-0.0187	0.9914
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.6067	0.0605	0.6067	0.4151	0.2426
re1-wc	0.5301	0.0376	0.5301	0.4374	0.1867
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.5493	0.4507	0.5493	0.1568	0.5278
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.5878	0.4122	0.5878	-0.0061	0.6047
RT_IOT2022	0.9984	0.0003	0.9984	0.9959	0.0025
satimage	0.8305	0.0565	0.8305	0.7878	0.1863
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.8569	0.1431	0.8569	0.4521	0.6091
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.5957	0.4043	0.5957	0.1010	0.5087
segment	0.9567	0.0124	0.9567	0.9494	0.0507
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8915	0.1085	0.8915	0.1184	0.6754
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.4368	0.5632	0.4368	0.0627	0.4918
sens-3-gram	0.5842	0.4158	0.5842	0.1060	0.5834
sens-4-gram	0.8753	0.1397	0.8638	0.1322	0.6458
sensorless	0.9262	0.0134	0.9262	0.9188	0.0608
sepsis	0.7475	0.2525	0.7475	0.0367	0.6122
shoppers	0.8808	0.1192	0.8808	0.3744	0.4431
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8276	0.0656
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9995	0.0005	0.9995	0.9985	0.0115
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.6763	0.1079	0.6763	0.5824	0.2515
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9130	0.0870	0.9130	0.8150	0.3758
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5094	0.0204	0.5094	0.4778	0.1367
splice-EI	0.9779	0.0221	0.9779	0.9422	0.1877
splice-IE	0.9495	0.0505	0.9495	0.8652	0.3404
sport-articles	0.6100	0.3900	0.6100	0.3001	0.6502
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.0749	0.3544
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8382	0.1079	0.8382	0.7356	0.2376
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.9282	0.0718	0.9282	0.4622	0.5763
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9104	0.1831
studentap	0.6154	0.2564	0.6154	0.3868	0.4512
student-weekend	0.3385	0.2646	0.3385	0.0365	0.5993
student-workday	0.7188	0.1125	0.7188	0.1014	0.2069
susy10%	0.6132	0.3868	0.6132	0.1663	0.5139
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9939	0.0004	1.0000	0.9925	0.0046
swarm_grouped	0.9914	0.0000	0.9887	0.9944	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7078
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9382	0.0112	0.9382	0.9319	0.0691
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.7577	0.2423	0.7577	0.0599	0.5350
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.7500	0.0833	0.7500	0.6444	0.0282
tox_171	0.4706	0.2647	0.4706	0.2850	0.5448
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	-0.0956	0.8451
trec11-wc	0.8293	0.0379	0.8293	0.7860	0.1108
trec12-wc	0.8387	0.0403	0.8387	0.8058	0.1037

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9355	0.0184	0.9355	0.9153	0.0747
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0759
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0493
tuandromd	0.9776	0.0224	0.9776	0.9286	0.1463
turkish	0.7500	0.1250	0.7500	0.6667	0.2919
tvnews	0.9479	0.0551	0.9273	0.8801	0.2777
urban	0.8358	0.0365	0.8358	0.8066	0.1402
vehicle	0.7619	0.1190	0.7619	0.6797	0.2275
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5354	0.0845	0.5354	0.4889	0.2751
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.8924	0.0905	0.9259	0.0011	0.2390
wap-wc	0.3654	0.0635	0.3654	0.2245	0.2723
warpar10p	0.3077	0.1385	0.3077	0.2303	0.2221
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8168	0.0523	0.8168	0.7854	0.1730
watch-gyr10%	0.8831	0.0334	0.8831	0.8634	0.1484
waveform	0.7380	0.1747	0.7380	0.6076	0.4570
web-phishing	0.8593	0.0938	0.8593	0.7529	0.3927
weight-lift	0.7878	0.0849	0.7878	0.7324	0.2039
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5409	0.1530	0.5409	0.2331	0.3260
winequality-white	0.4744	0.1502	0.4744	0.0726	0.3641
winnipeg	0.9563	0.0061	0.9739	0.9900	0.0490
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5608	0.0878	0.5608	0.4314	0.3903
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.6075	0.0785	0.6075	0.5459	0.2235
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 81: Detailed results for AdaBoost.M1W

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1775	0.0567	0.1775	0.0839	0.3692
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9816	0.0184	0.9816	0.2065	0.4419
ads	0.9787	0.0213	0.9787	0.9107	0.2129
adult	0.8604	0.1396	0.8604	0.5767	0.5759
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8641	0.1359	0.8641	-0.0729	0.6742
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.7714	0.2286	0.7714	-0.0227	0.8163
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.2172	0.8672
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8687	0.0875	0.8687	-0.0118	0.3886
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9935	0.0065	0.9935	0.1679	0.4321
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9734	0.0321
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9666	0.0083	0.9666	0.9447	0.0779
anuran-species	0.9917	0.0017	0.9917	0.9884	0.0101
aps-failure	0.9895	0.0105	0.9895	0.5993	0.1507
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7333	0.0410	0.7333	0.5462	0.1975
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6258	0.0624	0.6258	0.4560	0.2492
balance	0.7419	0.1720	0.7419	0.5720	0.4325
bank	0.9119	0.0881	0.9119	0.5209	0.5816
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6560	0.4488
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9963	0.0037	0.9963	0.7693	0.2656
biodeg	0.8667	0.1333	0.8667	0.7200	0.5345
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9432	0.0039	0.9432	0.1776	0.4282
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9124	0.0876	0.9124	0.0802	0.2689
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8685	0.0263	0.8685	0.8422	0.1536
cardiotocography-nsp	0.9108	0.0595	0.9108	0.7571	0.3581
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6429	0.3764
cas_N6512_cdk_ECFP2	0.5929	0.4071	0.5929	0.1389	0.7962
cdc_diabetes	0.8475	0.1017	0.8475	0.1532	0.3002
census10%	0.9482	0.0518	0.9482	0.3915	0.4820
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9419	0.0581	0.9419	0.2612	0.5311
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9998	0.0002	0.9998	0.8609	0.1294
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7159	0.4925
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3528	0.8238
cirrhosis	0.7143	0.1905	0.7143	0.4233	0.4950
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8167	0.0917	0.8167	0.7175	0.4064
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.6122	0.2585	0.6122	0.3947	0.6446
cnae-9	0.6667	0.0741	0.6667	0.6250	0.1694
codon_usage	0.7322	0.0487	0.7322	0.6683	0.2361
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1215	0.9927
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.3029	0.8444
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9824	0.0117	0.9824	0.5992	0.4581
cottonmeloidogyne	0.6418	0.3582	0.6418	0.2876	0.7086
coupon	0.7169	0.2831	0.7169	0.4184	0.8020
covtype	0.9759	0.0114	0.9413	0.9477	0.1110
covtypeCD	0.9836	0.0164	0.9836	0.9304	0.1862
covtypeT	0.9777	0.0223	0.9777	0.8214	0.3018
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.0763	0.7630
crowdsourced	0.8092	0.0636	0.8092	0.5445	0.2387
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4688	0.0266	0.4688	0.4533	0.0776
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.3842	0.6236
deposit	0.8985	0.1015	0.8985	0.4506	0.6163
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5588	0.5652
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5796	0.4204	0.5796	0.1509	0.9445
dropout	0.7291	0.1806	0.7291	0.5283	0.4778
drug-01	0.3989	0.1717	0.3989	0.0078	0.3625
drug-02	0.5160	0.1383	0.5160	0.0237	0.3643
drug-03	0.6809	0.0912	0.6809	-0.0049	0.2706
drug-04	0.5213	0.1368	0.5213	0.0091	0.4276
drug-05	0.7394	0.0745	0.7394	0.0314	0.1760
drug-06	0.3883	0.1748	0.3883	0.2092	0.4430
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5372	0.1322	0.5372	0.0118	0.4407
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5426	0.1307	0.5426	0.0203	0.3360
drug-11	0.8351	0.0471	0.8351	-0.0187	0.4100
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6011	0.1140	0.6011	0.1879	0.3530
drug-14	0.6117	0.1109	0.6117	0.2166	0.3902
drug-15	0.7606	0.0684	0.7606	0.0599	0.2912
drug-16	0.5426	0.1307	0.5426	0.1810	0.3915
drug-17	0.3245	0.1930	0.3245	0.0008	0.3546
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7660	0.0669	0.7660	-0.0077	0.2153
drybean	0.9265	0.0210	0.9265	0.9110	0.1176
ecoli	0.7941	0.0515	0.7941	0.7122	0.1297
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1695	0.1038	0.1695	0.0334	0.4002
eeg-eye	0.5941	0.4059	0.5941	0.1080	0.5911
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4583	0.7707
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4715	0.6223
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6369	0.6155
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.2439	0.6242
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.4959	0.7244
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6575	0.1370	0.6575	0.5486	0.3102
euthyroid	0.9684	0.0316	0.9684	0.8212	0.3529
exon.vs.intron-freq	0.9793	0.0217	0.9778	0.9585	0.1408
fbis-wc	0.4756	0.0617	0.4756	0.3671	0.2472
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6795	0.1542
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4971	0.0068	0.4803	0.4591	0.2834
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8246	0.0585	0.8246	0.7873	0.1616
gastrointestinal	0.8125	0.1250	0.8125	0.6981	0.2631
gender	0.5916	0.2723	0.5916	0.0103	0.3336
gene	0.9211	0.0526	0.9211	0.8741	0.2166
german	0.7100	0.2900	0.7100	0.2602	0.7246
gina	0.8098	0.1902	0.8098	0.6178	0.5980
glass	0.7619	0.0794	0.7619	0.6719	0.2595
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3636	0.5415
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9515	0.0081	0.9515	0.9427	0.0447
har70	0.9322	0.0229	0.9332	0.9028	0.1209
harth10%	0.8866	0.0221	0.8761	0.8401	0.1601
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8079	0.2008	0.7876	0.6036	0.6051
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5481	0.4374	0.5479	0.0520	0.5810
higher	0.4286	0.1429	0.4286	0.3212	0.2644
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9174	0.0826	0.9174	0.6867	0.4677
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.6389	0.2407	0.6389	0.3352	0.5810
htru2	0.9782	0.0218	0.9782	0.8627	0.2293
ht-sensor	0.7436	0.1709	0.7436	0.6168	0.4368
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6610	0.3390	0.6610	0.0767	0.9032
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5764	0.0326	0.5764	0.5594	0.1862
jm1	0.8099	0.1901	0.8099	0.1118	0.5859
fvowels	0.8544	0.0324	0.8544	0.8353	0.1981
kc1	0.8720	0.1280	0.8720	0.3863	0.5769
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2403	0.1908
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8592	0.0156	0.8592	0.8427	0.1782
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7531	0.0884	0.7419	0.6720	0.3727
la2s-wc	0.7746	0.0794	0.7546	0.6878	0.3202
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6915	0.0520
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4190	0.0447	0.4190	0.3966	0.2877
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8210	0.0654
linkage10%	0.9883	0.0000	0.9953	1.0000	0.0001
liver	0.6471	0.3529	0.6471	0.2635	0.8463
localization	0.5198	0.0873	0.5198	0.3704	0.3761
lrs	0.8302	0.0340	0.8302	0.7646	0.1507
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6981	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.4731	0.5269	0.4731	-0.0538	1.0000
magic04	0.7528	0.2472	0.7528	0.4895	0.7280

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5850	0.6661
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7285	0.3865
messidor	0.6435	0.3565	0.6435	0.3081	0.8195
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0653
mfeat-fou	0.7650	0.0470	0.7650	0.7389	0.1791
mfeat-kar	0.8400	0.0320	0.8400	0.8222	0.1747
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2008
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0251
mfeat-zer	0.6650	0.0670	0.6650	0.6278	0.2031
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5575	0.3918
mobile	0.8855	0.0045	0.8579	0.8896	0.0566
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9727	0.0273	0.9727	0.8904	0.1766
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.5588	0.4412	0.5588	0.1176	0.8557
mutagen_class_3	0.5217	0.4783	0.5217	0.0429	0.9872
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.6830
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3745	0.8355
MUT_ci300400a	0.6992	0.3008	0.6992	0.4148	0.7507
MUT_ci300400a_cdk_ECFP2	0.6535	0.3465	0.6535	0.2105	0.7084
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9680	0.0320	0.9680	0.9359	0.1899
nci9	0.5000	0.1111	0.5000	0.4375	0.1065
ncRNA10%	0.8951	0.0094	0.8903	0.7302	0.2027
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9527	0.0473	0.9527	0.8831	0.2788
NPHA-doctor-visits	0.4306	0.3796	0.4306	-0.0405	0.7776
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9822	0.0726
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.5714	0.0857	0.5714	0.5014	0.2408
oh15-wc	0.5978	0.0804	0.5978	0.5300	0.2098
oh5-wc	0.6374	0.0725	0.6374	0.5796	0.2073
opn310k	0.9165	0.0756	0.9278	0.4473	0.5643
opnat310k-hg16-17	0.9118	0.0890	0.8941	0.0384	0.2464
optdigits	0.9537	0.0093	0.9537	0.9486	0.0627
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7750	0.0112	0.7750	0.7692	0.0487
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9289	0.0711	0.9289	0.2258	0.4618
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8878	0.1763

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8710	0.1290	0.8710	0.6756	0.5555
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.4639	0.5361	0.4639	-0.1218	1.0000
pd	0.8947	0.1053	0.8947	0.7288	0.5149
pediatric-leukemia	0.7941	0.0588	0.7941	0.7473	0.1816
pendigits	0.9845	0.0031	0.9845	0.9828	0.0265
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.7990	0.2010	0.7990	0.5261	0.6685
P-Glycoprotein_b_Substrate	0.4800	0.5200	0.4800	-0.0400	1.0000
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6677	0.5842
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.8500	0.1500	0.8500	0.6809	0.5520
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.8093	0.1907	0.8093	0.5823	0.6291
phy	0.6284	0.3716	0.6284	0.2546	0.7837
pima	0.7237	0.2763	0.7237	0.3824	0.7533
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.7737	0.0436	0.7973	0.5866	0.1797
polish-1st	0.9630	0.0370	0.9630	0.4163	0.5395
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9495	0.0505	0.9495	0.0592	0.4351
polish-4th	0.9561	0.0439	0.9561	0.4482	0.4750
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6508	0.3492	0.6508	0.0407	0.5744
popularity	0.6310	0.2460	0.6310	0.0001	0.3101
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.8020	0.0792	0.8020	0.7520	0.2495
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9023
primary-tumor	0.3939	0.0551	0.3939	0.3196	0.2529
profb	0.7164	0.2836	0.7164	0.3495	0.8224
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9463	0.0215	0.9463	0.9274	0.0934
pufs-6410%	0.4984	0.5016	0.4984	-0.0032	0.9998
raisin	0.8222	0.1778	0.8222	0.6444	0.6119
re0-wc	0.4800	0.0800	0.4800	0.1874	0.2894
re1-wc	0.5422	0.0366	0.5422	0.4543	0.1844
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0010	0.5884
RT_IOT2022	0.9988	0.0002	0.9988	0.9969	0.0038
satimage	0.8398	0.0534	0.8398	0.8016	0.2030
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.8942	0.1058	0.8942	0.0579	0.5133
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.6799	0.3201	0.6799	0.3948	0.5121
segment	0.9697	0.0087	0.9697	0.9646	0.0384
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.1445	0.5922
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8526	0.1474	0.8526	-0.0019	0.6363
sens-2-gram	0.8737	0.1263	0.8737	0.1412	0.4751
sens-3-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-4-gram	0.8713	0.1416	0.8447	0.1340	0.6468
sensorless	0.9851	0.0027	0.9851	0.9836	0.0223
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8962	0.1038	0.8962	0.5580	0.5598
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0085
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7266	0.0911	0.7266	0.6505	0.2411
sonar	0.7500	0.2500	0.7500	0.5000	0.6793
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9109	0.0891	0.9109	0.8120	0.4006
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7835	0.4068
spectrometer	0.4906	0.0212	0.4906	0.4573	0.1403
splice-EI	0.9685	0.0315	0.9685	0.9178	0.2408
splice-IE	0.9369	0.0631	0.9369	0.8285	0.3853
sport-articles	0.8100	0.1900	0.8100	0.5902	0.6610
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7795	0.2205	0.7795	0.0811	0.7120
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8916	0.0723	0.8916	0.8244	0.2482
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7128	0.2872	0.7128	0.2559	0.6890
steel-p	0.9385	0.0615	0.9385	0.5074	0.4915
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1574	0.6947
student-weekend	0.3538	0.2585	0.3538	0.0421	0.5906
student-workday	0.7188	0.1125	0.7188	0.1700	0.2996
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9771	0.0004	0.9972	0.9996	0.0047
swarm_grouped	0.9919	0.0000	1.0000	0.9973	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9564	0.0079	0.9564	0.9519	0.0558
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.3411	0.5745
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8788	0.1212	0.8788	0.6552	0.5312
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.7059	0.1471	0.7059	0.6047	0.2105
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	-0.2016	0.9292
trec11-wc	0.9024	0.0217	0.9024	0.8802	0.0960
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9545	0.0091	0.9545	0.9447	0.0702
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8000	0.1000	0.8000	0.7333	0.2248
tvnews	0.9545	0.0531	0.9441	0.8942	0.2831
urban	0.8657	0.0299	0.8657	0.8427	0.1276
vehicle	0.7976	0.1012	0.7976	0.7271	0.2458
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5253	0.0863	0.5253	0.4778	0.2560
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9255	0.0893	0.9248	0.0011	0.2402
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8751	0.0357	0.8751	0.8537	0.1328
watch-gyr10%	0.9457	0.0155	0.9457	0.9366	0.0640
waveform	0.7360	0.1760	0.7360	0.6043	0.5045
web-phishing	0.8444	0.1037	0.8444	0.7241	0.4224
weight-lift	0.5185	0.1926	0.5185	0.3496	0.2913
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9834	0.0166	0.9834	0.8313	0.3592
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5912	0.1363	0.5912	0.3213	0.3473
winequality-white	0.4519	0.1566	0.4519	0.0254	0.3935
winnipeg	0.9604	0.0063	0.9958	0.9796	0.0492
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5473	0.0905	0.5473	0.4193	0.3680
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7366	0.0527	0.7366	0.7041	0.2117
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 82: Detailed results for BoostMA

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1823	0.0564	0.1823	0.0886	0.3650
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9834	0.0166	0.9834	0.1810	0.2106
ads	0.9695	0.0305	0.9695	0.8663	0.2126
adult	0.8299	0.1701	0.8299	0.3789	0.3754
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7619	0.2381	0.7619	-0.0371	0.8340
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9992	0.0008	0.9992	-0.0003	0.2587
AID373red	0.9988	0.0012	0.9988	0.2217	0.4869
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.7568	0.2432	0.7568	0.4672	0.6926
AID_602330	0.9427	0.0573	0.9427	-0.0233	0.6301
AID604	0.9967	0.0033	0.9967	0.1108	0.0155
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.2496	0.3797
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9761	0.0300
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9586	0.0732
anuran-species	0.9806	0.0039	0.9806	0.9729	0.0353
aps-failure	0.9875	0.0125	0.9875	0.4761	0.1166
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5296	0.1379
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7500	0.0387
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6382	0.0603	0.6382	0.4754	0.2200
balance	0.7742	0.1505	0.7742	0.6210	0.3680
bank	0.9126	0.0874	0.9126	0.5685	0.5911
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8180	0.1820	0.8180	0.5643	0.4797
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9961	0.0039	0.9961	0.7354	0.1757
biodeg	0.8571	0.1429	0.8571	0.7014	0.5556
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9876	0.0009	0.9876	0.2734	0.2349
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1414
bub10at310k-hg16-17	0.9112	0.0888	0.9112	0.0492	0.2441
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	1.0000	0.0000	1.0000	1.0000	0.0000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.7971	0.2029	0.7971	0.5988	0.6219
cardiotocography	0.8685	0.0263	0.8685	0.8423	0.1593
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7844	0.3386
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.4534	0.4073
cas_N6512_cdk_ECFP2	0.5576	0.4424	0.5576	0.0450	0.5967
cdc_diabetes	0.8472	0.1019	0.8472	0.1533	0.3023
census10%	0.9472	0.0528	0.9472	0.2943	0.3893
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9841	0.0002	0.9780	0.8911	0.0701
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6711	0.5297
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5985	0.6406
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2825	0.8354
cirrhosis	0.7143	0.1905	0.7143	0.4286	0.5050
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7963	0.1019	0.7963	0.6865	0.4273
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.6054	0.2630	0.6054	0.3888	0.6591
cnae-9	0.7778	0.0494	0.7778	0.7500	0.1488
codon_usage	0.6232	0.0685	0.6232	0.5340	0.2181
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0387	0.9534
colposcopies-2	0.6207	0.3793	0.6207	0.0807	0.8598
colposcopies-3	0.7241	0.2759	0.7241	0.4171	0.7875
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.3029	0.8444
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9839	0.0108	0.9839	0.4505	0.0327
cottonmeloidogyne	0.5433	0.4567	0.5433	0.0789	0.6587
coupon	0.7295	0.2705	0.7295	0.4388	0.7780
covtype	0.9745	0.0110	0.9620	0.9345	0.1064
covtypeCD	0.9861	0.0139	0.9861	0.9401	0.1395
covtypeT	0.9769	0.0231	0.9769	0.8206	0.3364
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.8295	0.0568	0.8295	0.6061	0.2699
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5625	0.0219	0.5625	0.5493	0.0673
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7593	0.2407	0.7593	0.4753	0.5747
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8257	0.1743	0.8257	0.3834	0.6284
deposit	0.9007	0.0993	0.9007	0.4494	0.6027
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5833	0.4167	0.5833	0.1176	0.9466
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5632	0.4368	0.5632	0.0945	0.8581
dropout	0.7359	0.1761	0.7359	0.5430	0.4735
drug-01	0.4043	0.1702	0.4043	0.0198	0.4223
drug-02	0.5106	0.1398	0.5106	0.0118	0.3668
drug-03	0.6596	0.0973	0.6596	-0.0316	0.3595
drug-04	0.5266	0.1353	0.5266	0.0242	0.4247
drug-05	0.7394	0.0745	0.7394	0.0314	0.1760
drug-06	0.3936	0.1733	0.3936	0.2155	0.4219
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5585	0.1261	0.5585	0.0420	0.3091
drug-09	0.8564	0.0410	0.8564	-0.0124	0.2395
drug-10	0.5372	0.1322	0.5372	0.0089	0.3731
drug-11	0.8404	0.0456	0.8404	-0.0137	0.2384
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6117	0.1109	0.6117	0.2539	0.3291
drug-14	0.5957	0.1155	0.5957	0.1342	0.3287
drug-15	0.7553	0.0699	0.7553	0.0396	0.2526
drug-16	0.5957	0.1155	0.5957	0.3439	0.4126
drug-17	0.3298	0.1915	0.3298	0.0123	0.3567
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0007	0.2412
drybean	0.8736	0.0361	0.8736	0.8482	0.1601
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1646	0.1044	0.1646	0.0266	0.3861
eeg-eye	0.5661	0.4339	0.5661	0.0378	0.5287
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6255	0.6125
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.7336	0.5000
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.7997	0.4035
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6849	0.1260	0.6849	0.5842	0.3074
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9859	0.0218	0.9702	0.9378	0.1378
fbis-wc	0.4065	0.0698	0.4065	0.3131	0.2667
fda.atompair_fp	0.5909	0.4091	0.5909	-0.2222	0.9645
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5498	0.2093
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.4963	0.0066	0.4940	0.4568	0.2774
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8979	0.0340	0.8979	0.8769	0.1325
gastrointestinal	0.8125	0.1250	0.8125	0.7126	0.1983
gender	0.5895	0.2737	0.5895	0.0039	0.3341
gene	0.9274	0.0484	0.9274	0.8841	0.2043
german	0.6600	0.3400	0.6600	0.1123	0.8016
gina	0.8559	0.1441	0.8559	0.7119	0.5454
glass	0.6667	0.1111	0.6667	0.5421	0.3435
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7143	0.2857	0.7143	0.4000	0.7846
glassContainers	0.9091	0.0909	0.9091	0.4500	0.6330
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.7333	0.1333	0.7333	0.6296	0.2552
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.9048	0.0159	0.9048	0.8876	0.0863
har70	0.9102	0.0232	0.9108	0.8723	0.1192
harth10%	0.8720	0.0216	0.8802	0.8315	0.1596
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7926	0.1999	0.7903	0.5974	0.5821
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5651	0.4529	0.5542	0.0529	0.6016
higher	0.1429	0.2143	0.1429	-0.0244	0.4072
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8887	0.1113	0.8887	0.5613	0.5595
hiva	0.9645	0.0355	0.9645	0.2709	0.4898
horse	0.6111	0.2593	0.6111	0.2759	0.5972
htru2	0.9799	0.0201	0.9799	0.8736	0.2146
ht-sensor	0.6637	0.2242	0.6637	0.5069	0.3962
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.0585	0.8104
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5289	0.0362	0.5289	0.5100	0.2336
jm1	0.8081	0.1919	0.8081	0.0482	0.4789
fvowels	0.7329	0.0593	0.7329	0.6993	0.2023
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2566	0.1425
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8275	0.0192	0.8275	0.8073	0.2111
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7257	0.0882	0.7282	0.6521	0.3595
la2s-wc	0.7583	0.0805	0.7702	0.6946	0.3233
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6917	0.0461
led24	0.7000	0.0600	0.7000	0.6639	0.1327
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.5105	0.0377	0.5105	0.4918	0.2753
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8611	0.0185	0.8611	0.8507	0.0640
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0001
liver	0.7059	0.2941	0.7059	0.3585	0.8145
localization	0.4714	0.0961	0.4714	0.2866	0.3637
lrs	0.8679	0.0264	0.8679	0.8180	0.1231
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3077	0.8482
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5269	0.4731	0.5269	0.0538	0.9482
magic04	0.7543	0.2457	0.7543	0.3676	0.5293

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5636	0.6896
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7451	0.3582
messidor	0.5739	0.4261	0.5739	0.2146	0.6541
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0646
mfeat-fou	0.6700	0.0660	0.6700	0.6333	0.2199
mfeat-kar	0.6550	0.0690	0.6550	0.6167	0.2321
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.1923
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0315
mfeat-zer	0.6600	0.0680	0.6600	0.6222	0.2565
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3731	0.5209
mobile	0.8566	0.0044	0.8786	0.8632	0.0562
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8864	0.1136	0.8864	0.3784	0.2512
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9448
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.6664
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3927	0.7807
MUT_ci300400a	0.6115	0.3885	0.6115	0.1038	0.5827
MUT_ci300400a_cdk_ECFP2	0.5935	0.4065	0.5935	0.0309	0.5280
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9516	0.0484	0.9516	0.9032	0.2442
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.8964	0.0097	0.9018	0.7176	0.2087
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9391	0.0609	0.9391	0.8518	0.3491
NPHA-doctor-visits	0.4444	0.3704	0.4444	-0.0304	0.7335
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.3366	0.1327	0.3366	0.2088	0.3027
oh10-wc	0.3905	0.1219	0.3905	0.2850	0.2864
oh15-wc	0.3804	0.1239	0.3804	0.2655	0.2977
oh5-wc	0.4286	0.1143	0.4286	0.3728	0.2750
opn310k	0.9380	0.0755	0.9310	0.4499	0.5641
opnat310k-hg16-17	0.9060	0.0887	0.8981	0.0391	0.2497
optdigits	0.9395	0.0121	0.9395	0.9327	0.0765
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.8750	0.0063	0.8750	0.8718	0.0247
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8837	0.1368

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8861	0.1139	0.8861	0.7226	0.5218
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5773	0.4227	0.5773	-0.0103	0.5851
pd	0.9342	0.0658	0.9342	0.8214	0.3648
pediatric-leukemia	0.8529	0.0420	0.8529	0.8186	0.1220
pendigits	0.9891	0.0022	0.9891	0.9879	0.0173
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8093	0.1907	0.8093	0.5397	0.6143
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9452
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6703	0.5244
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7000	0.3000	0.7000	0.4000	0.7967
phishing	0.9796	0.0204	0.9796	0.9573	0.1420
phoneme	0.8148	0.1852	0.8148	0.5679	0.6678
phy	0.6352	0.3648	0.6352	0.2725	0.7646
pima	0.7368	0.2632	0.7368	0.4006	0.6803
plx	0.5000	0.5000	0.5000	-0.1739	0.9401
poker	0.7718	0.0449	0.7700	0.5897	0.1779
polish-1st	0.9744	0.0256	0.9744	0.5385	0.2912
polish-2nd	0.9646	0.0354	0.9646	0.2093	0.2227
polish-3rd	0.9495	0.0505	0.9495	-0.0054	0.3653
polish-4th	0.9561	0.0439	0.9561	0.4074	0.4284
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0128	0.5377
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.6206	0.1518	0.6206	0.5240	0.2445
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.7633
primary-tumor	0.3333	0.0606	0.3333	0.2515	0.2636
profb	0.7015	0.2985	0.7015	0.2343	0.8172
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9157	0.0337	0.9157	0.8855	0.1248
pufs-6410%	0.4996	0.5004	0.4996	-0.0010	0.9866
raisin	0.8444	0.1556	0.8444	0.6889	0.5491
re0-wc	0.4267	0.0882	0.4267	0.0719	0.2713
re1-wc	0.4819	0.0414	0.4819	0.3712	0.2050
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9984	0.0003	0.9984	0.9959	0.0026
satimage	0.8196	0.0601	0.8196	0.7786	0.2297
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9347	0.0653	0.9347	0.6085	0.5039
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5000	0.5000	0.5000	0.0000	0.9448
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	0.6091	0.3909	0.6091	0.2719	0.5225
segment	0.9654	0.0099	0.9654	0.9595	0.0374
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8722	0.1365	0.8664	0.1331	0.6378
sensorless	0.9754	0.0045	0.9754	0.9729	0.0233
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8897	0.1103	0.8897	0.5657	0.6031
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8149	0.2550
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9991	0.0009	0.9991	0.9971	0.0195
smk_can_187	0.7368	0.2632	0.7368	0.4751	0.7624
solar-flare	0.7698	0.0767	0.7698	0.7049	0.2105
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9412	0.0062	0.9412	0.9355	0.0336
spambase	0.9152	0.0848	0.9152	0.8232	0.3970
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.9143	0.0857	0.9143	0.7835	0.4068
spectrometer	0.4906	0.0212	0.4906	0.4638	0.1423
splice-EI	0.9685	0.0315	0.9685	0.9178	0.2408
splice-IE	0.9527	0.0473	0.9527	0.8731	0.3266
sport-articles	0.8100	0.1900	0.8100	0.5808	0.6508
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8025	0.1317	0.8025	0.6819	0.2456
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6821	0.3179	0.6821	0.1344	0.6332
steel-p	0.9231	0.0769	0.9231	0.3623	0.5753
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.5385	0.3077	0.5385	0.2778	0.5502
student-weekend	0.3692	0.2523	0.3692	0.0560	0.6015
student-workday	0.7188	0.1125	0.7188	0.1742	0.2946
susy10%	0.7057	0.2943	0.7057	0.3789	0.5813
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9798	0.0004	0.9879	0.9744	0.0048
swarm_grouped	0.9865	0.0000	1.0000	0.9895	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.3880
Tdp_desc	0.9167	0.0833	0.9167	0.7477	0.4300
texture	0.8945	0.0192	0.8945	0.8840	0.0658
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8773	0.1227	0.8773	0.6554	0.5444
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6098	0.1060
tox_171	0.5294	0.2353	0.5294	0.3704	0.3343
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7200	0.2800	0.7200	0.0741	0.8524
trec11-wc	0.9024	0.0217	0.9024	0.8806	0.0762
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9395	0.0867
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9573	0.0337
trec41-wc	0.8523	0.0295	0.8523	0.8196	0.1129
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0511
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8750	0.0625	0.8750	0.8333	0.1887
tvnews	0.9593	0.0529	0.9405	0.8862	0.2786
urban	0.8657	0.0299	0.8657	0.8426	0.1378
vehicle	0.7619	0.1190	0.7619	0.6812	0.2533
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4646	0.0973	0.4646	0.4111	0.2702
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9170	0.0895	0.8938	0.0011	0.2472
wap-wc	0.4551	0.0545	0.4551	0.3700	0.2223
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9468	0.0229
watch-acc10%	0.9662	0.0097	0.9662	0.9604	0.0300
watch-gyr10%	0.9286	0.0204	0.9286	0.9166	0.0422
waveform	0.6740	0.2173	0.6740	0.5107	0.4793
web-phishing	0.8815	0.0790	0.8815	0.7928	0.3614
weight-lift	0.7605	0.0958	0.7605	0.6977	0.1521
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6038	0.1321	0.6038	0.3353	0.3378
winequality-white	0.4499	0.1572	0.4499	0.0245	0.4909
winnipeg	0.9786	0.0063	0.9834	0.9573	0.0486
yale	0.6250	0.0500	0.6250	0.5983	0.1030
yeast	0.4189	0.1162	0.4189	0.2653	0.3573
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	0.1766	0.5813
zip	0.5462	0.0908	0.5462	0.5016	0.2393
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 83: Detailed results for CascadeVoting

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1775	0.0567	0.1775	0.0832	0.3696
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9834	0.0166	0.9834	0.1810	0.2106
ads	0.9573	0.0427	0.9573	0.8091	0.2813
adult	0.8618	0.1382	0.8618	0.5787	0.5669
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7429	0.2571	0.7429	-0.0638	0.8550
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.2649	0.7719
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9969	0.0031	0.9969	0.2099	0.0146
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.7000	0.3000	0.7000	0.2857	0.8453
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9941	0.0059	0.9941	0.1017	0.1596
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9360	0.0320	0.9360	0.8740	0.1192
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.8985	0.0254	0.8985	0.8262	0.1212
anuran-species	0.9653	0.0069	0.9653	0.9514	0.0700
aps-failure	0.9874	0.0126	0.9874	0.4620	0.0878
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7556	0.0376	0.7556	0.5912	0.1835
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.6196	0.0634	0.6196	0.4463	0.2653
balance	0.8387	0.1075	0.8387	0.6990	0.3614
bank	0.9138	0.0862	0.9138	0.5594	0.5848
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8180	0.1820	0.8180	0.5630	0.4646
basehock	0.9196	0.0804	0.9196	0.8393	0.3109
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9873	0.0009	0.9873	0.2490	0.2452
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9104	0.0896	0.9104	0.0313	0.2325
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9598	0.0201	0.9598	0.9160	0.1671
card	0.8841	0.1159	0.8841	0.7643	0.4795
cardiotocography	0.8169	0.0366	0.8169	0.7789	0.1919
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7712	0.3014
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4737	0.5194
cas_N6512_cdk_ECFP2	0.5576	0.4424	0.5576	0.0445	0.5812
cdc_diabetes	0.8481	0.1013	0.8481	0.1456	0.2895
census10%	0.9499	0.0501	0.9499	0.3697	0.4098
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8550	0.1024
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6857	0.5682
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7951	0.3746
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2803	0.6395
cirrhosis	0.6667	0.2222	0.6667	0.3163	0.4597
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8028	0.0986	0.8028	0.6954	0.4434
climate	0.8704	0.1296	0.8704	-0.0678	0.7084
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5782	0.2812	0.5782	0.3483	0.6676
cnae-9	0.6204	0.0844	0.6204	0.5729	0.1710
codon_usage	0.6094	0.0710	0.6094	0.5169	0.2201
coil20	0.9861	0.0014	0.9861	0.9854	0.0100
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	-0.0116	0.9557
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.6207	0.3793	0.6207	0.1671	0.8893
colposcopies-4	0.7241	0.2759	0.7241	0.3095	0.8231

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6207	0.3793	0.6207	0.2238	0.7270
colposcopies-c	0.8276	0.1724	0.8276	0.5892	0.6218
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9839	0.0108	0.9839	0.4451	0.0328
cottonmeloidogyne	0.5553	0.4447	0.5553	0.1032	0.6220
coupon	0.7027	0.2973	0.7027	0.3851	0.8188
covtype	0.9671	0.0113	0.9379	0.9574	0.1105
covtypeCD	0.9791	0.0209	0.9791	0.9093	0.1879
covtypeT	0.9805	0.0195	0.9805	0.8488	0.2998
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8138	0.0621	0.8138	0.5542	0.2718
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5000	0.0250	0.5000	0.4849	0.0843
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8267	0.1733	0.8267	0.3874	0.6255
deposit	0.8989	0.1011	0.8989	0.4438	0.6112
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7895	0.1981
dexter	0.8500	0.1500	0.8500	0.7000	0.5201
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9231	0.0769	0.9231	0.8375	0.3723
diabetic10%	0.5403	0.3065	0.5403	0.0039	0.3486
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6667	0.3333	0.6667	0.2941	0.8617
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5574	0.4426	0.5574	0.0826	0.8679
dropout	0.7314	0.1791	0.7314	0.5423	0.4834
drug-01	0.3989	0.1717	0.3989	0.0120	0.3740
drug-02	0.5213	0.1368	0.5213	0.0205	0.2953
drug-03	0.6755	0.0927	0.6755	-0.0219	0.2826
drug-04	0.5266	0.1353	0.5266	0.0199	0.4226
drug-05	0.7287	0.0775	0.7287	-0.0064	0.2524
drug-06	0.3989	0.1717	0.3989	0.2247	0.4430
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5585	0.1261	0.5585	0.0412	0.3055
drug-09	0.8511	0.0426	0.8511	-0.0192	0.3154
drug-10	0.5372	0.1322	0.5372	-0.0060	0.3392
drug-11	0.8404	0.0456	0.8404	-0.0137	0.2384
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6064	0.1125	0.6064	0.2735	0.3540
drug-14	0.6011	0.1140	0.6011	0.1701	0.3755
drug-15	0.7660	0.0669	0.7660	0.0808	0.1860
drug-16	0.5851	0.1185	0.5851	0.3191	0.3956
drug-17	0.3298	0.1915	0.3298	0.0123	0.3567
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9236	0.0218	0.9236	0.9074	0.1225
ecoli	0.9118	0.0221	0.9118	0.8765	0.0471
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1693	0.1038	0.1693	0.0328	0.3945
eeg-eye	0.5908	0.4092	0.5908	0.0984	0.5507
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.3590	0.5830
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6197	0.5879
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.7039	0.5412
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	-0.0403	0.6626
eucalyptus	0.6575	0.1370	0.6575	0.5486	0.3072
euthyroid	0.9620	0.0380	0.9620	0.7790	0.3765
exon.vs.intron-freq	0.9924	0.0213	0.9811	0.9691	0.1406
fbis-wc	0.4675	0.0626	0.4675	0.3555	0.2473
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5455	0.1682
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4856	0.0067	0.4917	0.4423	0.2845
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8109	0.0630	0.8109	0.7707	0.1623
gastrointestinal	0.8750	0.0833	0.8750	0.7987	0.2054
gender	0.5874	0.2751	0.5874	0.0040	0.4075
gene	0.9401	0.0400	0.9401	0.9040	0.1674
german	0.6400	0.3600	0.6400	0.0296	0.7897
gina	0.8271	0.1729	0.8271	0.6523	0.5333
glass	0.8095	0.0635	0.8095	0.7407	0.2171
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8929	0.1071	0.8929	0.7823	0.4537
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4247
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.8984	0.0169	0.8984	0.8800	0.0988
har70	0.9371	0.0228	0.9036	0.8820	0.1188
harth10%	0.8540	0.0221	0.8741	0.8175	0.1556
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.7667	0.2333	0.7667	0.5249	0.6926
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8168	0.1935	0.8117	0.6140	0.6037
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5576	0.4369	0.5464	0.0533	0.5876
higher	0.2857	0.1786	0.2857	0.1566	0.3021
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8820	0.1180	0.8820	0.5347	0.5839
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6111	0.2593	0.6111	0.2706	0.6071
htru2	0.9793	0.0207	0.9793	0.8712	0.2334
ht-sensor	0.7562	0.1625	0.7562	0.6390	0.3762
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0475	0.6485
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4994	0.0385	0.4994	0.4793	0.2139
jm1	0.8072	0.1928	0.8072	0.0463	0.4949
fvowels	0.7791	0.0491	0.7791	0.7495	0.2233
kc1	0.8626	0.1374	0.8626	0.2727	0.5332
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1250	0.1457
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2956	0.7699
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.7911	0.0232	0.7911	0.7669	0.2435
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7509	0.0899	0.7274	0.6780	0.3692
la2s-wc	0.7521	0.0787	0.7605	0.6936	0.3268
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6314	0.0557
led24	0.7500	0.0500	0.7500	0.7183	0.1008
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4110	0.0453	0.4110	0.3880	0.2869
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8507	0.0649
linkage10%	0.9994	0.0000	1.0000	1.0000	0.0001
liver	0.5882	0.4118	0.5882	-0.0393	0.9586
localization	0.4830	0.0940	0.4830	0.3027	0.3509
lrs	0.8302	0.0340	0.8302	0.7646	0.1507
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.4885	0.5115	0.4885	-0.0231	0.9618
magic04	0.7880	0.2120	0.7880	0.4700	0.5166

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5411	0.7155
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7426	0.1716	0.7426	0.6122	0.4403
messidor	0.5913	0.4087	0.5913	0.2435	0.6500
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9100	0.0180	0.9100	0.9000	0.1016
mfeat-fou	0.7000	0.0600	0.7000	0.6667	0.2029
mfeat-kar	0.6900	0.0620	0.6900	0.6556	0.2006
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.2087
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0975
mfeat-zer	0.6050	0.0790	0.6050	0.5611	0.2323
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5211	0.4074
mobile	0.8941	0.0045	0.8553	0.8770	0.0578
monks-1	0.9818	0.0182	0.9818	0.9636	0.1023
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8894	0.1106	0.8894	0.4018	0.2472
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9709
mutagen_class_2	0.5147	0.4853	0.5147	0.0294	0.6675
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.7316
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3642	0.8267
MUT_ci300400a	0.5940	0.4060	0.5940	0.0561	0.5627
MUT_ci300400a_cdk_ECFP2	0.5947	0.4053	0.5947	0.0352	0.5453
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2632
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.8934	0.0094	0.9019	0.7118	0.2086
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9344	0.0656	0.9344	0.8411	0.3680
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0202	0.7119
nursery	0.9985	0.0006	0.9985	0.9977	0.0050
obs	0.9630	0.0185	0.9630	0.9456	0.0716
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.6535	0.0693	0.6535	0.5926	0.1727
oh10-wc	0.4381	0.1124	0.4381	0.3429	0.2712
oh15-wc	0.4457	0.1109	0.4457	0.3505	0.2578
oh5-wc	0.5055	0.0989	0.5055	0.4213	0.2539
opn310k	0.9284	0.0755	0.9063	0.4548	0.5415
opnat310k-hg16-17	0.9176	0.0893	0.9294	0.0385	0.2434
optdigits	0.8915	0.0217	0.8915	0.8793	0.1400
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.6750	0.0163	0.6750	0.6667	0.0756
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9708	0.0117	0.9708	0.8278	0.1886

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8681	0.1319	0.8681	0.6726	0.5666
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5619	0.4381	0.5619	-0.0409	0.7163
pd	0.8553	0.1447	0.8553	0.5600	0.5340
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9500	0.0100	0.9500	0.9444	0.0644
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.3636	1.0000
P-Glycoprotein_b_Inhibitor	0.8351	0.1649	0.8351	0.6186	0.6022
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8960
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7160	0.5090
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.8074	0.1926	0.8074	0.5848	0.6139
phy	0.6336	0.3664	0.6336	0.2650	0.7734
pima	0.6974	0.3026	0.6974	0.3150	0.7801
plx	0.5000	0.5000	0.5000	-0.1739	0.9401
poker	0.7915	0.0447	0.7689	0.5890	0.1726
polish-1st	0.9630	0.0370	0.9630	0.0689	0.1081
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9476	0.0524	0.9476	-0.0087	0.4454
polish-4th	0.9612	0.0388	0.9612	0.4698	0.3320
polish-5th	0.9492	0.0508	0.9492	0.4608	0.3502
polya	0.6422	0.3578	0.6422	0.0034	0.5225
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.6437	0.1425	0.6437	0.5537	0.2648
pred-tox_mutagen_ref-desc	0.5000	0.5000	0.5000	0.0000	0.8489
primary-tumor	0.4545	0.0496	0.4545	0.3825	0.2181
profb	0.7015	0.2985	0.7015	0.1184	0.4472
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9134	0.0346	0.9134	0.8825	0.1323
pufs-6410%	0.4931	0.5069	0.4931	-0.0138	0.9989
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.4467	0.0851	0.4467	0.1153	0.2693
re1-wc	0.5120	0.0390	0.5120	0.4132	0.1989
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9670	0.0504
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9943	0.0009	0.9943	0.9857	0.0077
satimage	0.8243	0.0586	0.8243	0.7812	0.2229
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.9316	0.0684	0.9316	0.5837	0.5138
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.5263	0.5283
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9481	0.0148	0.9481	0.9392	0.0572
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0927	0.3832
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-4-gram	0.8755	0.1398	0.8554	0.1312	0.6459
sensorless	0.8740	0.0229	0.8740	0.8614	0.0927
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8921	0.1079	0.8921	0.5647	0.5917
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9912	0.0088	0.9912	0.9737	0.1156
smk_can_187	0.5263	0.4737	0.5263	0.0552	0.9801
solar-flare	0.7482	0.0839	0.7482	0.6768	0.2303
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9261	0.0739	0.9261	0.8428	0.3279
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.3585	0.0267	0.3585	0.3101	0.1795
splice-EI	0.9779	0.0221	0.9779	0.9422	0.1877
splice-IE	0.9495	0.0505	0.9495	0.8652	0.3404
sport-articles	0.8300	0.1700	0.8300	0.6333	0.6202
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8103	0.1897	0.8103	0.1459	0.3454
steel-d	0.9795	0.0205	0.9795	0.5899	0.3873
steel_industry	0.8916	0.0723	0.8916	0.8246	0.2446
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.9077	0.0923	0.9077	0.2066	0.6425
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9744	0.0256	0.9744	0.8507	0.2860
studentap	0.5385	0.3077	0.5385	0.2778	0.6502
student-weekend	0.4000	0.2400	0.4000	0.0904	0.5117
student-workday	0.6719	0.1313	0.6719	0.0132	0.4369
susy10%	0.7567	0.2433	0.7567	0.5049	0.7315
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9966	1.0000	0.0047
swarm_grouped	1.0000	0.0000	0.9886	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5311
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.8109	0.0344	0.8109	0.7922	0.1136
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8721	0.1279	0.8721	0.6426	0.5626
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1442
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0881	0.8806
trec11-wc	0.8293	0.0379	0.8293	0.7837	0.1402
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5471	0.3213
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9462	0.0154	0.9462	0.9291	0.0673
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9420	0.0116	0.9420	0.9326	0.0531
tuandromd	0.9865	0.0135	0.9865	0.9582	0.1317
turkish	0.8000	0.1000	0.8000	0.7333	0.2397
tvnews	0.9536	0.0540	0.9292	0.8767	0.2753
urban	0.8358	0.0365	0.8358	0.8067	0.1308
vehicle	0.7738	0.1131	0.7738	0.6928	0.2249
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8372	0.1628	0.8372	0.6760	0.5146
vowel	0.5152	0.0882	0.5152	0.4667	0.2440
vowelZ	0.9192	0.0808	0.9192	0.3016	0.4768
vrnormat310k-hg16-17	0.8933	0.0910	0.8983	0.0012	0.2373
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8202	0.0514	0.8202	0.7893	0.1587
watch-gyr10%	0.8653	0.0385	0.8653	0.8425	0.1449
waveform	0.7120	0.1920	0.7120	0.5688	0.4859
web-phishing	0.8370	0.1086	0.8370	0.7093	0.4220
weight-lift	0.5029	0.1988	0.5029	0.3273	0.2949
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0548
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.5157	0.1614	0.5157	0.1845	0.4256
winequality-white	0.4479	0.1578	0.4479	0.0168	0.3917
winnipeg	0.9706	0.0062	0.9896	0.9725	0.0495
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.5270	0.0946	0.5270	0.3975	0.3586
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9459	0.0541	0.9459	0.1766	0.5813
zip	0.6581	0.0684	0.6581	0.6174	0.2251
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 84: Detailed results for AdaBoostEPIC

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1823	0.0564	0.1823	0.0887	0.3628
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.8978	0.1022	0.8978	0.1671	0.3230
ads	0.9604	0.0396	0.9604	0.8400	0.3613
adult	0.7606	0.2394	0.7606	0.3823	0.7672
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8651	0.1349	0.8651	-0.0657	0.7371
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.6476	0.3524	0.6476	0.0300	0.7975
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6757	0.3243	0.6757	0.3412	0.8452
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.8885	0.1115	0.8885	0.0484	0.0827
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8687	0.0875	0.8687	-0.0118	0.3886
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red	0.4024	0.5976	0.4024	0.0012	0.0560
AID721morered	0.4444	0.5556	0.4444	-0.3636	0.8576
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.5485	0.4515	0.5485	0.0064	0.0433
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.9077	0.0923	0.9077	0.7273	0.4552
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9889	0.0056	0.9889	0.9787	0.0273
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9805	0.0049	0.9805	0.9679	0.0610
anuran-species	0.9833	0.0033	0.9833	0.9768	0.0297
aps-failure	0.9378	0.0622	0.9378	0.3279	0.4221
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7778	0.0342	0.7778	0.6338	0.1787
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6253	0.0624	0.6253	0.4599	0.2679
balance	0.7258	0.1828	0.7258	0.5500	0.4301
bank	0.8252	0.1748	0.8252	0.1981	0.7249
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.5438	0.4562	0.5438	0.2103	0.6494
basehock	0.9648	0.0352	0.9648	0.9296	0.2044
bio	0.9581	0.0418	0.9581	0.2662	0.3584
biodeg	0.8571	0.1429	0.8571	0.7042	0.5490
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9781	0.0015	0.9781	0.2854	0.3705
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2903	0.8322
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.4265	0.5735	0.4265	0.0799	0.3377
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8696	0.1304	0.8696	0.7231	0.4278
cardiotocography	0.8451	0.0310	0.8451	0.8134	0.1779
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7829	0.3432
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.3189
cas_N6512_cdk_ECFP2	0.6144	0.3856	0.6144	0.1852	0.7608
cdc_diabetes	0.8458	0.1028	0.8458	0.1990	0.3363
census10%	0.7691	0.2309	0.7691	0.2114	0.4403
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.8837	0.1163	0.8837	-0.0617	0.6549
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9850	0.0002	0.9805	0.8838	0.0678
ci100410h_MACCS	0.8438	0.1562	0.8438	0.5181	0.6559
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6347	0.5902
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3433	0.8405
cirrhosis	0.7619	0.1587	0.7619	0.5281	0.4617
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8111	0.0944	0.8111	0.7079	0.3934
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5918	0.2721	0.5918	0.3664	0.6749
cnae-9	0.6667	0.0741	0.6667	0.6250	0.1662
codon_usage	0.6063	0.0716	0.6063	0.5127	0.2275
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0387	0.9534
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6207	0.3793	0.6207	0.2084	0.9148
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7742	0.1505	0.7742	0.6407	0.3672
connect-4	0.9843	0.0105	0.9843	0.5527	0.2752
cottonmeloidogyne	0.6418	0.3582	0.6418	0.2876	0.7086
coupon	0.6869	0.3131	0.6869	0.3617	0.8407
covtype	0.9705	0.0114	0.9384	0.9265	0.1111
covtypeCD	0.8678	0.1322	0.8678	0.5597	0.6056
covtypeT	0.9042	0.0958	0.9042	0.3428	0.6477
cox2_cdk_ECFP2	0.7391	0.2609	0.7391	0.0951	0.8413
crowdsourced	0.8184	0.0605	0.8184	0.5668	0.2571
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5176	0.0736
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7407	0.2593	0.7407	0.4514	0.7389
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8237	0.1763	0.8237	0.3755	0.6343
deposit	0.8890	0.1110	0.8890	0.4188	0.6498
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7105	0.2895	0.7105	0.4456	0.6841
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5403	0.3065	0.5403	0.0039	0.3486
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5696	0.4304	0.5696	0.1434	0.9459
dropout	0.7314	0.1791	0.7314	0.5386	0.4882
drug-01	0.3989	0.1717	0.3989	0.0099	0.3710
drug-02	0.5106	0.1398	0.5106	0.0163	0.3676
drug-03	0.6755	0.0927	0.6755	-0.0118	0.3195
drug-04	0.5213	0.1368	0.5213	0.0184	0.5320
drug-05	0.7287	0.0775	0.7287	0.0068	0.2555
drug-06	0.3989	0.1717	0.3989	0.2244	0.4218
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5479	0.1292	0.5479	0.0422	0.3852
drug-09	0.8617	0.0395	0.8617	-0.0064	0.2133
drug-10	0.5372	0.1322	0.5372	0.0177	0.3755
drug-11	0.8457	0.0441	0.8457	-0.0065	0.2227
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6170	0.1094	0.6170	0.2257	0.3660
drug-14	0.5957	0.1155	0.5957	0.1668	0.4228
drug-15	0.7606	0.0684	0.7606	0.0470	0.1885
drug-16	0.5798	0.1201	0.5798	0.3055	0.4408
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19	0.7660	0.0669	0.7660	0.0099	0.2594
drybean	0.9221	0.0223	0.9221	0.9057	0.1249
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1684	0.1039	0.1684	0.0315	0.3858
eeg-eye	0.5120	0.4880	0.5120	0.1022	0.5771
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3659	0.8276
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.5076	0.7098
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6695	0.5756
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.5279	0.2289
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.4061	0.5795
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.4616	0.7249
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.7397	0.1041	0.7397	0.6629	0.2902
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9922	0.0214	0.9855	0.9654	0.1385
fbis-wc	0.5691	0.0507	0.5691	0.4842	0.2334
fda.atompair_fp	0.5455	0.4545	0.5455	-0.2791	0.9704
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4984	0.2268
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4870	0.0065	0.4838	0.4561	0.2780
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8138	0.0621	0.8138	0.7742	0.1777
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.3761
gender	0.5853	0.2765	0.5853	0.0002	0.4208
gene	0.9369	0.0421	0.9369	0.8992	0.1679
german	0.6700	0.3300	0.6700	0.1451	0.7923
gina	0.7089	0.2911	0.7089	0.4207	0.7688
glass	0.7143	0.0952	0.7143	0.6062	0.3155
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7273	0.5096
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2593	0.5453
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9286	0.0119	0.9286	0.9157	0.0811
har70	0.9245	0.0232	0.9049	0.8989	0.1198
harth10%	0.8852	0.0218	0.8565	0.8082	0.1570
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.7667	0.2333	0.7667	0.5291	0.7212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8181	0.1985	0.8018	0.5911	0.5977
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5535	0.4418	0.5604	0.0529	0.6016
higher	0.2857	0.1786	0.2857	0.1617	0.3399
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9207	0.0793	0.9207	0.6995	0.4527
hiva	0.9409	0.0591	0.9409	0.0439	0.6281
horse	0.6111	0.2593	0.6111	0.2971	0.6237
htru2	0.7883	0.2117	0.7883	0.3407	0.5304
ht-sensor	0.7563	0.1624	0.7563	0.6392	0.3788
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6271	0.3729	0.6271	0.1774	0.8671
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5738	0.0328	0.5738	0.5567	0.2018
jm1	0.8081	0.1919	0.8081	0.1079	0.6043
fvowels	0.8183	0.0404	0.8183	0.7939	0.2070
kc1	0.6445	0.3554	0.6445	0.2093	0.6340
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3000	0.1979
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.2877	0.7839
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8638	0.0151	0.8638	0.8479	0.1737
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7288	0.0878	0.7209	0.6560	0.3735
la2s-wc	0.7632	0.0807	0.7631	0.7008	0.3188
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6917	0.0487
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4815	0.0399	0.4815	0.4621	0.2670
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8507	0.0612
linkage10%	0.9864	0.0000	1.0000	0.9914	0.0001
liver	0.5294	0.4706	0.5294	0.0588	0.9045
localization	0.5284	0.0857	0.5284	0.3791	0.4096
lrs	0.8679	0.0264	0.8679	0.8158	0.1005
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5000	0.5000	0.5000	0.0000	0.9997
magic04	0.6497	0.3503	0.6497	0.3515	0.6877

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4832	0.7409
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7429	0.3587
messidor	0.5565	0.4435	0.5565	0.0135	0.8592
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0546
mfeat-fou	0.7500	0.0500	0.7500	0.7222	0.1903
mfeat-kar	0.7750	0.0450	0.7750	0.7500	0.1887
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1969
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0436
mfeat-zer	0.6750	0.0650	0.6750	0.6389	0.2145
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4475	0.4345
mobile	0.8563	0.0044	0.8677	0.8906	0.0578
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9464	0.0536	0.9464	0.8926	0.2736
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9758	0.0242	0.9758	0.9049	0.1994
mutagen_class_1	0.4559	0.5441	0.4559	-0.0882	1.0000
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.5260
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7888
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3960	0.7979
MUT_ci300400a	0.6967	0.3033	0.6967	0.4052	0.7765
MUT_ci300400a_cdk_ECFP2	0.6499	0.3501	0.6499	0.1983	0.6895
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9131	0.0869	0.9131	0.8261	0.3773
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9102	0.0094	0.8919	0.7142	0.2073
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9602	0.0398	0.9602	0.9020	0.2472
NPHA-doctor-visits	0.5417	0.3056	0.5417	0.1287	0.5859
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9822	0.0726
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.7129	0.0574	0.7129	0.6654	0.1514
oh10-wc	0.5810	0.0838	0.5810	0.5115	0.2624
oh15-wc	0.5652	0.0870	0.5652	0.4895	0.2271
oh5-wc	0.6374	0.0725	0.6374	0.5857	0.2133
opn310k	0.9366	0.0772	0.9115	0.4421	0.5546
opnat310k-hg16-17	0.9005	0.0874	0.8883	0.0376	0.2478
optdigits	0.9626	0.0075	0.9626	0.9585	0.0506
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6250	0.0187	0.6250	0.6154	0.0834
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.8656	0.1344	0.8656	0.1894	0.6618
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8989	0.1722

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.7476	0.2524	0.7476	0.1427	0.4480
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4845	0.5155	0.4845	-0.0036	0.9695
pd	0.8947	0.1053	0.8947	0.7193	0.5115
pediatric-leukemia	0.8235	0.0504	0.8235	0.7830	0.1421
pendigits	0.9918	0.0016	0.9918	0.9909	0.0143
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5731	0.6761
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9551
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8016	0.1984	0.8016	0.6012	0.6621
P-Glycoprotein_RDkit_AtomPair_FP	0.5500	0.4500	0.5500	0.1000	0.9625
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9837	0.0163	0.9837	0.9656	0.1063
phoneme	0.7185	0.2815	0.7185	0.0204	0.5060
phy	0.6374	0.3626	0.6374	0.2769	0.7554
pima	0.6447	0.3553	0.6447	0.1857	0.8486
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7928	0.0440	0.7921	0.5911	0.1760
polish-1st	0.9374	0.0626	0.9374	0.3403	0.5928
polish-2nd	0.4779	0.5221	0.4779	0.0205	0.2164
polish-3rd	0.6343	0.3657	0.6343	0.0759	0.3048
polish-4th	0.8031	0.1969	0.8031	0.1858	0.4580
polish-5th	0.8849	0.1151	0.8849	0.3229	0.6292
polya	0.4605	0.5395	0.4605	0.1046	0.6513
popularity	0.6310	0.2460	0.6310	0.0001	0.3101
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.7143	0.1143	0.7143	0.6423	0.2809
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8295
primary-tumor	0.4242	0.0523	0.4242	0.3509	0.2489
profb	0.7463	0.2537	0.7463	0.4441	0.7676
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9352	0.0259	0.9352	0.9123	0.1005
pufs-6410%	0.4995	0.5005	0.4995	-0.0010	0.9990
raisin	0.8111	0.1889	0.8111	0.6222	0.6385
re0-wc	0.4800	0.0800	0.4800	0.2022	0.3090
re1-wc	0.5241	0.0381	0.5241	0.4304	0.1974
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5515	0.4485	0.5515	0.2034	0.5950
RT_IOT2022	0.9982	0.0003	0.9982	0.9955	0.0031
satimage	0.8383	0.0539	0.8383	0.8000	0.2054
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8507	0.1493	0.8507	0.4640	0.5836
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9167	0.0833	0.9167	0.0946	0.6614
secondary_mushroom	0.6050	0.3950	0.6050	0.1237	0.5065
segment	0.9740	0.0074	0.9740	0.9696	0.0338
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8837	0.1163	0.8837	0.0554	0.6766
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8500	0.1500	0.8500	-0.0065	0.6592
sens-2-gram	0.4947	0.5053	0.4947	0.0755	0.5287
sens-3-gram	0.6947	0.3053	0.6947	0.1530	0.6632
sens-4-gram	0.8534	0.1395	0.8713	0.1340	0.6532
sensorless	0.9937	0.0011	0.9937	0.9930	0.0124
sepsis	0.5536	0.4464	0.5536	0.0927	0.4309
shoppers	0.8905	0.1095	0.8905	0.5736	0.6019
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9995	0.0005	0.9995	0.9985	0.0083
smk_can_187	0.5789	0.4211	0.5789	0.1461	0.9386
solar-flare	0.7626	0.0791	0.7626	0.6967	0.2231
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.8587	0.1413	0.8587	0.7151	0.5148
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5283	0.0197	0.5283	0.4987	0.1406
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9495	0.0505	0.9495	0.8640	0.3386
sport-articles	0.6200	0.3800	0.6200	0.2740	0.8090
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.6359	0.3641	0.6359	0.2652	0.6729
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8784	0.0810	0.8784	0.8038	0.2242
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6154	0.3846	0.6154	0.2993	0.7033
steel-p	0.9385	0.0615	0.9385	0.5668	0.5414
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.5385	0.3077	0.5385	0.2909	0.5505
student-weekend	0.3692	0.2523	0.3692	0.0814	0.6665
student-workday	0.6875	0.1250	0.6875	0.1432	0.4447
susy10%	0.6585	0.3415	0.6585	0.2704	0.5226
swarm_aligned	1.0000	0.0000	1.0000	0.9994	0.0000
swarm_flocking	0.9978	0.0004	0.9792	0.9992	0.0047
swarm_grouped	1.0000	0.0000	0.9796	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.8611	0.1389	0.8611	0.6154	0.6155
texture	0.9582	0.0076	0.9582	0.9539	0.0497
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.7771	0.2229	0.7771	0.4487	0.7348
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8440	0.0951
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0965	0.9113
trec11-wc	0.8537	0.0325	0.8537	0.8198	0.1076
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9432	0.0114	0.9432	0.9306	0.0625
trec45-wc	0.9565	0.0087	0.9565	0.9494	0.0345
tuandromd	0.9731	0.0269	0.9731	0.9143	0.1802
turkish	0.8750	0.0625	0.8750	0.8333	0.1273
tvnews	0.9284	0.0529	0.9613	0.8851	0.2788
urban	0.8507	0.0332	0.8507	0.8248	0.1326
vehicle	0.7738	0.1131	0.7738	0.6970	0.2271
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5758	0.0771	0.5758	0.5333	0.2248
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.8870	0.0914	0.9148	0.0011	0.2449
wap-wc	0.3269	0.0673	0.3269	0.1610	0.2854
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8579	0.0406	0.8579	0.8336	0.1394
watch-gyr10%	0.9346	0.0187	0.9346	0.9236	0.0772
waveform	0.7400	0.1733	0.7400	0.6095	0.4721
web-phishing	0.8074	0.1284	0.8074	0.6614	0.4823
weight-lift	0.5197	0.1921	0.5197	0.3528	0.3069
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9752	0.0248	0.9752	0.7261	0.4016
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5849	0.1384	0.5849	0.3068	0.3609
winequality-white	0.4499	0.1572	0.4499	0.0249	0.4850
winnipeg	0.9850	0.0062	0.9946	0.9696	0.0477
yale	0.6250	0.0500	0.6250	0.6000	0.0886
yeast	0.5608	0.0878	0.5608	0.4386	0.3629
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7527	0.0495	0.7527	0.7223	0.2083
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 85: Detailed results for ModestAdaBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1487	0.0587	0.1487	0.0788	0.5821
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.6451	0.5340
accelerometer	0.9822	0.0178	0.9822	0.2130	0.4039
ads	0.8872	0.1128	0.8872	0.6072	0.5932
adult	0.8127	0.1873	0.8127	0.5033	0.7009
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7524	0.2476	0.7524	0.1646	0.8110
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9427	0.0573	0.9427	-0.0233	0.6301
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9988	0.0012	0.9988	0.3631	0.5151
AID644Morered	0.7000	0.3000	0.7000	0.2857	0.8453
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.9091	0.0606	0.9091	0.4107	0.1316
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.6848	0.3152	0.6848	0.0005	0.0835
AID721morered	0.4444	0.5556	0.4444	-0.3636	0.8576
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9977	0.0023	0.9977	-0.0011	0.4669
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.7036	0.5340
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9734	0.0309
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9585	0.0902
anuran-species	0.9708	0.0058	0.9708	0.9594	0.0448
aps-failure	0.9584	0.0416	0.9584	0.3685	0.5018
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.6889	0.0479	0.6889	0.5146	0.2871
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9152	0.0141	0.9152	0.8907	0.0971
balance	0.7742	0.1505	0.7742	0.6206	0.3355
bank	0.7419	0.2581	0.7419	0.3441	0.5061
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8410	0.1590	0.8410	0.6403	0.5649
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9936	0.0064	0.9936	0.6772	0.4859
biodeg	0.7905	0.2095	0.7905	0.5682	0.6814
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9858	0.0010	0.9858	0.3193	0.5057
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.5714	0.4286	0.5714	0.0870	0.8810
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.8182	0.1818	0.8182	0.6333	0.6309
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.3770	0.6230	0.3770	0.0599	0.3260
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8116	0.1884	0.8116	0.6152	0.6473
cardiotocography	0.8310	0.0338	0.8310	0.7983	0.1994
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8069	0.3120
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7760	0.2195
cas_N6512_cdk_ECFP2	0.5591	0.4409	0.5591	0.0520	0.6781
cdc_diabetes	0.5423	0.3052	0.5423	0.1093	0.5132
census10%	0.8175	0.1825	0.8175	0.2637	0.4889
central-nervous-system	0.3333	0.6667	0.3333	-0.5000	1.0000
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.8721	0.1279	0.8721	-0.0677	0.6325
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9379	0.0621	0.9379	0.0249	0.0408
ci100410h_MACCS	0.7500	0.2500	0.7500	0.2686	0.8079
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7537	0.4063
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6313	0.5951
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.6737	0.3263	0.6737	0.3105	0.8599
cirrhosis	0.6905	0.2063	0.6905	0.3592	0.4339
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8176	0.0912	0.8176	0.7183	0.3844
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8400	0.1600	0.8400	-0.0811	0.7590
cmc	0.5170	0.3220	0.5170	0.2394	0.7305
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0709
codon_usage	0.9233	0.0140	0.9233	0.9065	0.1192
coil20	0.9653	0.0035	0.9653	0.9634	0.0217
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.0963	0.9266
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9849	0.0101	0.9849	0.5749	0.3149
cottonmeloidogyne	0.5433	0.4567	0.5433	0.0940	0.6408
coupon	0.7208	0.2792	0.7208	0.4251	0.7957
covtype	0.6557	0.0984	0.6557	0.4732	0.4375
covtypeCD	0.9801	0.0199	0.9801	0.9150	0.2041
covtypeT	0.9631	0.0369	0.9631	0.7412	0.4754
cox2_cdk_ECFP2	0.7391	0.2609	0.7391	0.1712	0.8222
crowdsourced	0.9217	0.0261	0.9217	0.8410	0.2150
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.2500	0.0375	0.2500	0.2305	0.1345
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.5556	0.4444	0.5556	0.1302	0.9281
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.2417	0.7583	0.2417	0.0056	0.4583
deposit	0.2316	0.7684	0.2316	0.0317	0.3042
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1795	0.6427
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4858	0.7520
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.1965	0.5357	0.1965	0.0008	0.6614
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0959	0.9453
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5539	0.4461	0.5539	0.0772	0.8886
dropout	0.6433	0.2378	0.6433	0.4505	0.5802
drug-01	0.2287	0.2204	0.2287	-0.0158	0.7483
drug-02	0.3298	0.1915	0.3298	0.1091	0.6822
drug-03	0.5266	0.1353	0.5266	0.1383	0.6110
drug-04	0.3564	0.1839	0.3564	0.0939	0.8517
drug-05	0.4894	0.1459	0.4894	0.0046	0.5208
drug-06	0.2979	0.2006	0.2979	0.1445	0.7219
drug-07	0.2979	0.2006	0.2979	-0.0369	0.4883
drug-08	0.3670	0.1809	0.3670	0.0179	0.6948
drug-09	0.7500	0.0714	0.7500	-0.0202	0.3677
drug-10	0.3830	0.1763	0.3830	0.0439	0.6477
drug-11	0.8032	0.0562	0.8032	0.0390	0.5057
drug-12	0.6543	0.0988	0.6543	0.1291	0.5859
drug-13	0.4894	0.1459	0.4894	0.1707	0.5838
drug-14	0.4415	0.1596	0.4415	0.1459	0.6133
drug-15	0.6702	0.0942	0.6702	0.1144	0.6527
drug-16	0.4096	0.1687	0.4096	0.1755	0.6135
drug-17	0.3298	0.1915	0.3298	0.1189	0.6908
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.5745	0.1216	0.5745	0.0832	0.5092
drybean	0.9236	0.0218	0.9236	0.9075	0.1242
ecoli	0.7941	0.0515	0.7941	0.7143	0.1627
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6043	0.6300
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3239	0.0845	0.3239	0.2592	0.6155
eeg-eye	0.5387	0.4613	0.5387	0.1432	0.6571
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.5385	0.4615	0.5385	0.1333	0.8720
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.5076	0.7098
er_tox_rdkit_ATOMPAIR	0.8852	0.1148	0.8852	0.3146	0.5382
er_tox_rdkit_AVALON	0.8852	0.1148	0.8852	0.5656	0.6173
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.2439	0.6242
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.4971	0.7090
er_tox_rdkit_TORSION	0.9032	0.0968	0.9032	0.2017	0.6010
eucalyptus	0.6575	0.1370	0.6575	0.5626	0.3814
euthyroid	0.9620	0.0380	0.9620	0.7723	0.3520
exon.vs.intron-freq	0.9295	0.0705	0.9295	0.8587	0.3408
fbis-wc	0.8374	0.0191	0.8374	0.8149	0.1279
fda.atompair_fp	0.5455	0.4545	0.5455	-0.0377	0.9115
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4953	0.2333
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.6414	0.0047	0.6414	0.6235	0.3163
forest	0.8654	0.0673	0.8654	0.8133	0.1548
gas	0.9892	0.0036	0.9892	0.9869	0.0270
gastrointestinal	0.9375	0.0417	0.9375	0.9006	0.1278
gender	0.3074	0.4618	0.3074	0.0314	0.7048
gene	0.9369	0.0421	0.9369	0.8986	0.1865
german	0.6900	0.3100	0.6900	0.3568	0.8162
gina	0.6916	0.3084	0.6916	0.3867	0.7837
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8571	0.1429	0.8571	0.7061	0.5505
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.7333	0.1333	0.7333	0.6471	0.2613
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.9387	0.0102	0.9387	0.9276	0.0669
har70	0.6109	0.1112	0.6109	0.5285	0.1966
harth10%	0.7200	0.0467	0.7200	0.6331	0.2422
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8000	0.2000	0.8000	0.5982	0.6654
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5761
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.4737	0.6644
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.3571	0.1607	0.3571	0.2317	0.3048
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.9039	0.0961	0.9039	0.6503	0.5399
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.6111	0.2593	0.6111	0.3217	0.6273
htru2	0.9564	0.0436	0.9564	0.7505	0.4580
ht-sensor	0.6782	0.2145	0.6782	0.5266	0.3555
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7458	0.2542	0.7458	0.4112	0.7742
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8742	0.0097	0.8742	0.8692	0.1057
jm1	0.2296	0.7704	0.2296	-0.0098	0.4991
fvowels	0.9719	0.0062	0.9719	0.9681	0.0478
kc1	0.5261	0.4739	0.5261	0.0613	0.6312
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3750	0.1277
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.6538	0.3462	0.6538	0.1804	0.7855
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9337	0.0074	0.9337	0.9260	0.0925
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8603	0.0466	0.8603	0.8241	0.2384
la2s-wc	0.8841	0.0386	0.8841	0.8545	0.2166
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6622	0.0471
led24	0.6500	0.0700	0.6500	0.6078	0.1649
lenses	0.9940	0.0000	1.0000	0.9887	0.0000
letter	0.9375	0.0048	0.9375	0.9350	0.0722
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7608	0.0802
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.3448	0.1191	0.3448	0.2727	0.6411
lrs	0.8113	0.0377	0.8113	0.7375	0.1249
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5266	0.2752
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.0486
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.0575
madelon	0.5308	0.4692	0.5308	0.0615	0.9548
magic04	0.7454	0.2546	0.7454	0.4578	0.7637

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6021	0.6610
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7896	0.3260
messidor	0.6348	0.3652	0.6348	0.3080	0.7334
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0707
mfeat-fou	0.8050	0.0390	0.8050	0.7833	0.1722
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0659
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2100
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0541
mfeat-zer	0.7600	0.0480	0.7600	0.7333	0.1712
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3355	0.5394
mobile	0.8531	0.0052	0.8531	0.8505	0.0678
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9758	0.0242	0.9758	0.9049	0.1994
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9633
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.7351
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.8074
MUT_ci034254q_MACCS	0.7705	0.2295	0.7705	0.5328	0.7053
MUT_ci300400a	0.6779	0.3221	0.6779	0.3771	0.7643
MUT_ci300400a_cdk_ECFP2	0.6019	0.3981	0.6019	0.0550	0.5430
myocardial	0.9000	0.0250	0.9000	0.5247	0.0855
naticusdroid	0.9673	0.0327	0.9673	0.9345	0.1934
nci9	0.3333	0.1481	0.3333	0.2258	0.1169
ncRNA10%	0.3779	0.0655	0.3779	0.2348	0.5678
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9263	0.0737	0.9263	0.8257	0.3977
NPHA-doctor-visits	0.3056	0.4630	0.3056	-0.1229	0.8748
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.0984
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8812	0.0238	0.8812	0.8638	0.1031
oh10-wc	0.8000	0.0400	0.8000	0.7714	0.1837
oh15-wc	0.8478	0.0304	0.8478	0.8268	0.1380
oh5-wc	0.8132	0.0374	0.8132	0.7882	0.1644
opn310k	0.2846	0.7154	0.2846	0.0359	0.2930
opnat310k-hg16-17	0.2496	0.7504	0.2496	0.0251	0.2884
optdigits	0.9644	0.0071	0.9644	0.9604	0.0508
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6250	0.0187	0.6250	0.6154	0.0711
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0853
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9051	0.0949	0.9051	0.1534	0.6730
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9049	0.0380	0.9049	0.6105	0.6202

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8770	0.1230	0.8770	0.6927	0.5417
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9099	0.0901	0.9099	0.3265	0.6546
pcmac	0.4175	0.5825	0.4175	-0.0209	0.7584
pd	0.8421	0.1579	0.8421	0.6066	0.6295
pediatric-leukemia	0.7647	0.0672	0.7647	0.7088	0.2147
pendigits	0.9873	0.0025	0.9873	0.9858	0.0226
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9755	0.0245	0.9755	0.9484	0.1522
phoneme	0.7426	0.2574	0.7426	0.4716	0.6648
phy	0.6272	0.3728	0.6272	0.2522	0.7844
pima	0.6447	0.3553	0.6447	0.1752	0.8270
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7727	0.0447	0.7988	0.5978	0.1731
polish-1st	0.9417	0.0583	0.9417	0.2504	0.6167
polish-2nd	0.5703	0.4297	0.5703	0.0168	0.2491
polish-3rd	0.6533	0.3467	0.6533	0.0450	0.3253
polish-4th	0.7541	0.2459	0.7541	0.0988	0.4213
polish-5th	0.8545	0.1455	0.8545	0.2796	0.5935
polya	0.4357	0.5643	0.4357	0.0835	0.5891
popularity	0.1082	0.5945	0.1082	-0.0015	0.4920
post-operative	0.4444	0.3704	0.4444	-0.1538	0.4531
postures	0.9830	0.0068	0.9830	0.9787	0.0418
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8608
primary-tumor	0.4545	0.0496	0.4545	0.3951	0.2076
profb	0.7015	0.2985	0.7015	0.3808	0.7857
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9774	0.0091	0.9774	0.9696	0.0541
pufs-6410%	0.4974	0.5026	0.4974	-0.0052	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.8000	0.0308	0.8000	0.7419	0.2552
re1-wc	0.8373	0.0130	0.8373	0.8139	0.1267
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9990	0.0002	0.9990	0.9976	0.0019
satimage	0.8709	0.0430	0.8709	0.8411	0.1903
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.8782	0.1218	0.8782	0.0301	0.6648
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9654	0.0099	0.9654	0.9595	0.0449
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.5853	0.4147	0.5853	0.0340	0.3813
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.3737	0.6263	0.3737	0.0088	0.5004
sens-2-gram	0.5895	0.4105	0.5895	0.1099	0.5856
sens-3-gram	0.6105	0.3895	0.6105	0.0864	0.6181
sens-4-gram	0.6684	0.3316	0.6684	0.1529	0.6360
sensorless	0.9969	0.0006	0.9969	0.9966	0.0065
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.5750	0.4250	0.5750	0.2082	0.5207
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9993	0.0007	0.9993	0.9979	0.0141
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.6906	0.1031	0.6906	0.6098	0.3039
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9196	0.0804	0.9196	0.8323	0.3832
spect	0.5556	0.4444	0.5556	0.0526	0.7987
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5849	0.0173	0.5849	0.5625	0.1061
splice-EI	0.9685	0.0315	0.9685	0.9184	0.2445
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.7700	0.2300	0.7700	0.4983	0.7319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7128	0.2872	0.7128	0.2881	0.7644
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8864	0.0757	0.8864	0.8158	0.2560
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.5795	0.4205	0.5795	0.1904	0.8513
steel-p	0.9333	0.0667	0.9333	0.4474	0.5093
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.4000	0.2400	0.4000	0.1519	0.6684
student-workday	0.6250	0.1500	0.6250	0.0315	0.4809
susy10%	0.7563	0.2437	0.7563	0.5041	0.7321
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8056	0.1944	0.8056	0.4615	0.7201
texture	0.9691	0.0056	0.9691	0.9659	0.0439
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	-0.0981	0.8198
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8729	0.1272	0.8729	0.6326	0.5384
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.3684	0.1720
tox_171	0.7059	0.1471	0.7059	0.6101	0.2469
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5079	0.4986	0.4971	0.0000	0.5244
transfusion	0.5200	0.4800	0.5200	-0.1811	0.8956
trec11-wc	0.8780	0.0271	0.8780	0.8498	0.0977
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9398	0.1157
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9420	0.0116	0.9420	0.9321	0.0378
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8750	0.0625	0.8750	0.8333	0.1881
tvnews	0.8316	0.1684	0.8316	0.6321	0.6151
urban	0.8358	0.0365	0.8358	0.8066	0.1400
vehicle	0.7500	0.1250	0.7500	0.6647	0.2005
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5051	0.0900	0.5051	0.4556	0.2409
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.2862	0.7138	0.2862	0.0384	0.2887
wap-wc	0.8654	0.0135	0.8654	0.8492	0.0802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9214	0.0225	0.9214	0.9080	0.0446
watch-gyr10%	0.9003	0.0285	0.9003	0.8834	0.0462
waveform	0.6900	0.2067	0.6900	0.5350	0.5325
web-phishing	0.8593	0.0938	0.8593	0.7536	0.4029
weight-lift	0.9987	0.0005	0.9987	0.9984	0.0042
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0255
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6038	0.1321	0.6038	0.3503	0.3859
winequality-white	0.3845	0.1759	0.3845	0.1622	0.5868
winnipeg	0.9877	0.0035	0.9877	0.9845	0.0308
yale	0.6875	0.0417	0.6875	0.6624	0.0714
yeast	0.4932	0.1014	0.4932	0.3436	0.4100
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9355	0.0129	0.9355	0.9277	0.1042
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 86: Detailed results for ModestAdaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0959	0.0624	0.0959	0.0357	0.5392
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9816	0.0184	0.9816	0.2065	0.4419
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8589	0.1411	0.8589	0.5702	0.5767
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9992	0.0008	0.9992	0.4441	0.3561
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7297	0.2703	0.7297	0.4272	0.7843
AID_602330	0.9427	0.0573	0.9427	-0.0233	0.6301
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9992	0.0008	0.9992	0.2855	0.0047
AID644Morered	0.6500	0.3500	0.6500	0.2045	0.8754
AID644red	0.7500	0.2500	0.7500	0.3750	0.7858
AID_652128	0.8788	0.0808	0.8788	0.1239	0.3593
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9791	0.0104	0.9791	0.9601	0.0518
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9791	0.0052	0.9791	0.9656	0.0667
anuran-species	0.9778	0.0044	0.9778	0.9691	0.0320
aps-failure	0.9778	0.0222	0.9778	0.5574	0.5468
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7778	0.0342	0.7778	0.6440	0.1742
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8050	0.0325	0.8050	0.7329	0.1238
balance	0.8065	0.1290	0.8065	0.6649	0.3989
bank	0.9097	0.0903	0.9097	0.5701	0.5990
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6323	0.6097
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9793	0.0008	1.0000	0.4242	0.1816
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.5714	0.4286	0.5714	0.0870	0.8810
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0635
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8841	0.1159	0.8841	0.7621	0.4822
cardiotocography	0.8310	0.0338	0.8310	0.7969	0.2058
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8085	0.3162
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6748	0.3514
cas_N6512_cdk_ECFP2	0.5238	0.4762	0.5238	0.0989	0.7570
cdc_diabetes	0.8446	0.1036	0.8446	0.1845	0.3887
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8258	0.1793
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.5632	0.6812
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.7474	0.2526	0.7474	0.4960	0.7107
cirrhosis	0.7143	0.1905	0.7143	0.4194	0.4227
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8278	0.0861	0.8278	0.7305	0.3780
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	0.1892	0.6967
cmc	0.5578	0.2948	0.5578	0.3136	0.6954
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0723
codon_usage	0.7452	0.0463	0.7452	0.6867	0.2913
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0387	0.9534
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7586	0.2414	0.7586	0.2509	0.6936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.3029	0.8444
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9957	0.0029	0.9957	0.9004	0.0085
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.7208	0.2792	0.7208	0.4191	0.7882
covtype	0.7335	0.0762	0.7335	0.5636	0.3221
covtypeCD	0.9786	0.0214	0.9786	0.9087	0.2183
covtypeT	0.9779	0.0221	0.9779	0.8298	0.3318
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8829	0.0390	0.8829	0.7469	0.2883
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0966
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8257	0.1743	0.8257	0.3867	0.6332
deposit	0.8969	0.1031	0.8969	0.4354	0.6194
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.5028	0.7111
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5383	0.3078	0.5383	0.0029	0.3884
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0149	0.9759
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5671	0.4329	0.5671	0.1286	0.9561
dropout	0.7314	0.1791	0.7314	0.5287	0.4463
drug-01	0.3989	0.1717	0.3989	0.0604	0.5381
drug-02	0.4787	0.1489	0.4787	0.1440	0.5880
drug-03	0.6649	0.0957	0.6649	-0.0152	0.4332
drug-04	0.5000	0.1429	0.5000	0.0468	0.6723
drug-05	0.6915	0.0881	0.6915	0.0200	0.5311
drug-06	0.3936	0.1733	0.3936	0.2334	0.5982
drug-07	0.3936	0.1733	0.3936	-0.0049	0.5940
drug-08	0.5479	0.1292	0.5479	0.0770	0.4859
drug-09	0.8351	0.0471	0.8351	0.1712	0.5533
drug-10	0.5160	0.1383	0.5160	0.0652	0.5973
drug-11	0.8085	0.0547	0.8085	0.0648	0.5160
drug-12	0.7181	0.0805	0.7181	-0.0538	0.6563
drug-13	0.5479	0.1292	0.5479	0.0123	0.4816
drug-14	0.5904	0.1170	0.5904	0.2933	0.4913
drug-15	0.6862	0.0897	0.6862	0.0509	0.6679
drug-16	0.5691	0.1231	0.5691	0.3350	0.5479
drug-17	0.3032	0.1991	0.3032	0.0748	0.5752
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7447	0.0729	0.7447	-0.0010	0.4397
drybean	0.9295	0.0202	0.9295	0.9146	0.1141
ecoli	0.8529	0.0368	0.8529	0.7947	0.1319
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2516	0.0936	0.2516	0.1704	0.6086
eeg-eye	0.5721	0.4279	0.5721	0.0552	0.6048
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.5385	0.4615	0.5385	0.1522	0.8293
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4872	0.7430
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.4672	0.5906
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6059	0.6342
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6712	0.1315	0.6712	0.5743	0.3143
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9308	0.0692	0.9308	0.8612	0.3366
fbis-wc	0.7724	0.0268	0.7724	0.7399	0.1789
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5597	0.1828
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5569	0.0058	0.5569	0.5367	0.5700
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9892	0.0036	0.9892	0.9869	0.0262
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5874	0.2751	0.5874	0.0295	0.4868
gene	0.9369	0.0421	0.9369	0.8993	0.1870
german	0.6400	0.3600	0.6400	0.0137	0.7500
gina	0.7983	0.2017	0.7983	0.5941	0.5845
glass	0.8571	0.0476	0.8571	0.8062	0.1657
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4422
haberman	0.7333	0.2667	0.7333	0.3182	0.8145
hapt	0.9341	0.0110	0.9341	0.9221	0.0731
har70	0.8789	0.0346	0.8789	0.8250	0.1710
harth10%	0.8426	0.0262	0.8426	0.7839	0.2258
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7959	0.2041	0.7959	0.5911	0.5768
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5519	0.4481	0.5519	0.0516	0.5899
higher	0.2857	0.1786	0.2857	0.1358	0.3144
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8988	0.1012	0.8988	0.6047	0.5253
hiva	0.9551	0.0449	0.9551	0.2178	0.6033
horse	0.5556	0.2963	0.5556	0.2248	0.6797
htru2	0.9771	0.0229	0.9771	0.8565	0.2495
ht-sensor	0.7279	0.1814	0.7279	0.5939	0.4369
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.5593	0.4407	0.5593	0.1123	0.8538
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8216	0.0137	0.8216	0.8144	0.1458
jm1	0.8053	0.1947	0.8053	0.0632	0.5672
jvowels	0.8735	0.0281	0.8735	0.8562	0.1413
kc1	0.8531	0.1469	0.8531	0.2954	0.6557
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1901	0.1460
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9094	0.0101	0.9094	0.8989	0.1246
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.6381	0.1206	0.6381	0.5148	0.3205
la2s-wc	0.6921	0.1026	0.6921	0.5927	0.2877
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6314	0.0735
led24	0.7000	0.0600	0.7000	0.6639	0.1376
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8985	0.0078	0.8985	0.8944	0.1135
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8215	0.0641
linkage10%	0.9999	0.0001	0.9999	0.9904	0.0370
liver	0.6471	0.3529	0.6471	0.1937	0.8945
localization	0.5031	0.0903	0.5031	0.3073	0.4740
lrs	0.8302	0.0340	0.8302	0.7669	0.1600
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8525	0.0000
madelon	0.4962	0.5038	0.4962	-0.0077	0.8896
magic04	0.7801	0.2199	0.7801	0.4488	0.5381

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6235	0.6412
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7587	0.3503
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9700	0.0060	0.9700	0.9667	0.0354
mfeat-fou	0.7450	0.0510	0.7450	0.7167	0.1806
mfeat-kar	0.9250	0.0150	0.9250	0.9167	0.0905
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2363
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0500
mfeat-zer	0.7250	0.0550	0.7250	0.6944	0.2235
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3717	0.4572
mobile	0.8531	0.0052	0.8531	0.8505	0.0709
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8364	0.1636	0.8364	0.5343	0.5984
mutagen_class_1	0.3971	0.6029	0.3971	-0.2059	1.0000
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8104
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4026	0.8148
MUT_ci300400a	0.6792	0.3208	0.6792	0.3815	0.7512
MUT_ci300400a_cdk_ECFP2	0.6391	0.3609	0.6391	0.1739	0.7231
myocardial	0.8941	0.0265	0.8941	0.4740	0.0892
naticusdroid	0.9649	0.0351	0.9649	0.9298	0.2017
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.9065	0.0098	0.9065	0.7170	0.3709
newspop	0.5318	0.4682	0.5318	-0.0008	0.5455
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9411	0.0589	0.9411	0.8535	0.3213
NPHA-doctor-visits	0.4028	0.3981	0.4028	0.0233	0.8172
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9742	0.1078
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.8911	0.0218	0.8911	0.8753	0.1046
oh10-wc	0.7238	0.0552	0.7238	0.6831	0.2422
oh15-wc	0.8152	0.0370	0.8152	0.7880	0.1643
oh5-wc	0.8132	0.0374	0.8132	0.7893	0.1802
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9644	0.0071	0.9644	0.9604	0.0489
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7250	0.0138	0.7250	0.7179	0.0492
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	-0.0261	0.6361
ozone8hr	0.9051	0.0949	0.9051	0.2013	0.6724
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9781	0.0088	0.9781	0.8808	0.2074

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8771	0.1229	0.8771	0.6922	0.5403
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.8649	0.1351	0.8649	0.1386	0.6608
pcmac	0.4278	0.5722	0.4278	-0.0180	0.8211
pd	0.9211	0.0789	0.9211	0.7895	0.4273
pediatric-leukemia	0.8824	0.0336	0.8824	0.8556	0.0993
pendigits	0.9882	0.0024	0.9882	0.9868	0.0214
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9452
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6382	0.5834
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9796	0.0204	0.9796	0.9573	0.1420
phoneme	0.7870	0.2130	0.7870	0.5510	0.6233
phy	0.6276	0.3724	0.6276	0.2530	0.7841
pima	0.6974	0.3026	0.6974	0.3478	0.8304
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7825	0.0448	0.7726	0.5834	0.1795
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9505	0.0495	0.9505	0.0915	0.4301
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9425	0.0575	0.9425	0.5334	0.5583
polya	0.4724	0.5276	0.4724	0.1103	0.6975
popularity	0.6310	0.2460	0.6310	0.0038	0.3438
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9117	0.0353	0.9117	0.8895	0.1442
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.9238
primary-tumor	0.2727	0.0661	0.2727	0.2024	0.3129
profb	0.6418	0.3582	0.6418	0.0563	0.8944
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9651	0.0140	0.9651	0.9531	0.0760
pufs-6410%	0.4984	0.5016	0.4984	-0.0032	1.0000
raisin	0.8444	0.1556	0.8444	0.6889	0.5288
re0-wc	0.7600	0.0369	0.7600	0.6798	0.2849
re1-wc	0.8072	0.0154	0.8072	0.7796	0.1510
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5457	0.4543	0.5457	0.1923	0.6232
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0021
satimage	0.8507	0.0498	0.8507	0.8147	0.2120
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6401	0.3599	0.6401	0.3249	0.5330
segment	0.9697	0.0087	0.9697	0.9646	0.0390
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9976	0.0004	0.9976	0.9974	0.0053
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8783	0.1217	0.8783	0.5273	0.6345
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.8149	0.2550
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9994	0.0006	0.9994	0.9981	0.0135
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.7626	0.0791	0.7626	0.6973	0.2506
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9304	0.0696	0.9304	0.8548	0.3467
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5660	0.0181	0.5660	0.5416	0.1210
splice-EI	0.9779	0.0221	0.9779	0.9422	0.1877
splice-IE	0.9495	0.0505	0.9495	0.8615	0.3301
sport-articles	0.7900	0.2100	0.7900	0.5419	0.6964
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7436	0.2564	0.7436	0.3451	0.7515
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8881	0.0746	0.8881	0.8190	0.2581
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.6103	0.3897	0.6103	0.2628	0.7924
steel-p	0.9179	0.0821	0.9179	0.4224	0.6229
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.3385	0.2646	0.3385	0.0872	0.6430
student-workday	0.7031	0.1187	0.7031	0.1443	0.3366
susy10%	0.7565	0.2435	0.7565	0.5044	0.7312
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0070
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6418
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9745	0.0046	0.9745	0.9719	0.0379
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8631	0.1369	0.8631	0.6024	0.5649
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8426	0.1448
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.4893	0.4945	0.4882	0.0000	0.5404
transfusion	0.6400	0.3600	0.6400	-0.0060	0.9006
trec11-wc	0.9024	0.0217	0.9024	0.8806	0.0762
trec12-wc	0.9032	0.0242	0.9032	0.8843	0.0700

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9349	0.0291
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9659	0.0068	0.9659	0.9585	0.0450
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.9000	0.0500	0.9000	0.8667	0.1433
tvnews	0.8316	0.1684	0.8316	0.6321	0.6151
urban	0.8806	0.0265	0.8806	0.8603	0.1076
vehicle	0.7619	0.1190	0.7619	0.6732	0.2925
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5859	0.0753	0.5859	0.5444	0.2442
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.6923	0.0308	0.6923	0.6571	0.2341
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0933
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9630	0.0106	0.9630	0.9568	0.0435
watch-gyr10%	0.9078	0.0264	0.9078	0.8922	0.0730
waveform	0.7180	0.1880	0.7180	0.5773	0.5189
web-phishing	0.8963	0.0691	0.8963	0.8192	0.3374
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0037
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0287
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6101	0.1300	0.6101	0.3604	0.3851
winequality-white	0.4397	0.1601	0.4397	0.0396	0.5706
winnipeg	0.9841	0.0045	0.9841	0.9799	0.0351
yale	0.6250	0.0500	0.6250	0.6000	0.0739
yeast	0.5000	0.1000	0.5000	0.3598	0.4346
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.8892	0.0222	0.8892	0.8760	0.1507
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 87: Detailed results for MPBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1595	0.0581	0.1584	0.0751	0.5198
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9828	0.0172	0.9828	0.0667	0.0594
ads	0.9482	0.0518	0.9482	0.7458	0.1491
adult	0.8301	0.1699	0.8301	0.4457	0.6104
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	-0.0184	0.5483
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.1120	0.9323
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8615	0.1385	0.8615	0.5339	0.4764
all-aml	0.6667	0.3333	0.6667	0.0000	0.4644
anneal	0.8652	0.0539	0.8652	0.6527	0.1125
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9374	0.0313	0.9374	0.8771	0.1072
anuran-f-b	0.9930	0.0070	0.9930	0.2840	0.0285
anuran-genus	0.9110	0.0223	0.9110	0.8469	0.1102
anuran-species	0.9292	0.0142	0.9292	0.9005	0.0853
aps-failure	0.9812	0.0188	0.9812	0.6178	0.5389
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.5556	0.0684	0.5556	0.0228	0.2290
auction	0.8725	0.1275	0.8725	0.0000	0.2639
audiology	0.4348	0.0471	0.4348	0.2864	0.2017
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	0.9091	0.0909	0.9091	0.7925	0.2605
autism-adult	0.9429	0.0571	0.9429	0.8506	0.2912
autism-child	0.8621	0.1379	0.8621	0.7212	0.3632
autos	0.5500	0.1500	0.5500	0.3571	0.2818
avila	0.7542	0.0410	0.7542	0.6511	0.1407
balance	0.7419	0.1720	0.7419	0.5132	0.3933
bank	0.8992	0.1008	0.8992	0.3184	0.5464
banknote	0.9051	0.0949	0.9051	0.8088	0.4181

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8018	0.1982	0.8018	0.5279	0.5580
basehock	0.7337	0.2663	0.7337	0.4686	0.5526
bio	0.9962	0.0038	0.9962	0.7264	0.0545
biodeg	0.7905	0.2095	0.7905	0.5380	0.6749
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9698	0.0008	1.0000	0.4246	0.1865
block10%	0.9999	0.0001	0.9999	0.9855	0.0215
block10%	0.9999	0.0001	0.9999	0.9855	0.0215
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.5455	0.4545	0.5455	0.0351	0.9096
breast-cancer-ma	0.5455	0.4545	0.5455	0.0000	0.5193
breast-tissue	0.2727	0.2424	0.2727	0.0000	0.3750
bridges	0.5000	0.1429	0.5000	0.0000	0.2906
bub10at310k-hg16-17	0.9206	0.0794	0.9206	0.3119	0.4594
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5553	0.2744
cad	0.7667	0.2333	0.7667	0.3860	0.7398
caesarian	0.3750	0.6250	0.3750	0.0000	0.5170
cancer	0.9565	0.0435	0.9565	0.9013	0.1598
car	0.7356	0.1322	0.7356	0.2402	0.2794
card	0.7101	0.2899	0.7101	0.4422	0.6944
cardiotocography	0.7606	0.0479	0.7606	0.7072	0.2225
cardiotocography-nsp	0.8545	0.0970	0.8545	0.5408	0.4286
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6750	0.2167	0.6750	0.2963	0.5990
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0615	0.7195
cdc_diabetes	0.8182	0.1212	0.8182	0.0538	0.3921
census10%	0.9462	0.0538	0.9462	0.2094	0.2705
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9419	0.0581	0.9419	0.2712	0.1529
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.7674	0.2326	0.7674	0.4459	0.5952
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9997	0.0003	0.9997	0.8230	0.0531
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.3689	0.5929
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6389	0.6114
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5101	0.3912
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2289	0.7054
cirrhosis	0.7619	0.1587	0.7619	0.5291	0.3908
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6343	0.1829	0.6343	0.4473	0.4642
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.3333	0.4444	0.3333	0.0000	0.3838
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5578	0.2948	0.5578	0.2988	0.6484
cnae-9	0.8148	0.0412	0.8148	0.7917	0.1376
codon_usage	0.7682	0.0421	0.7682	0.7131	0.2211
coil20	0.8958	0.0104	0.8958	0.8903	0.0674
collins	0.4800	0.0693	0.4800	0.4039	0.1887
colon-tumor	0.6667	0.3333	0.6667	0.0000	0.4644
colposcopies-1	0.7241	0.2759	0.7241	0.2883	0.6939
colposcopies-2	0.6207	0.3793	0.6207	0.0807	0.8598
colposcopies-3	0.5862	0.4138	0.5862	0.0794	0.9150
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.7419	0.2581	0.7419	0.4095	0.7875
column-3c	0.7419	0.1720	0.7419	0.5832	0.4193
connect-4	0.7077	0.1949	0.7077	0.0575	0.1824
cottonmeloidogyne	0.6635	0.3365	0.6635	0.3281	0.8486
coupon	0.6443	0.3557	0.6443	0.2096	0.7100
covtype	0.5841	0.1188	0.5841	0.2543	0.2313
covtypeCD	0.9448	0.0552	0.9448	0.7215	0.2010
covtypeT	0.9613	0.0387	0.9613	0.6336	0.3094
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.8876	0.0375	0.8876	0.7513	0.1852
cryotherapy	0.5556	0.4444	0.5556	0.0000	0.5164
cultivars	0.0312	0.0484	0.0312	0.0000	0.4005
cyclopentane	0.6296	0.3704	0.6296	0.2623	0.8892
cylinder-bands	0.7778	0.2222	0.7778	0.5242	0.6246
darwin	0.7778	0.2222	0.7778	0.5556	0.4472
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.7790	0.2210	0.7790	0.0067	0.4170
deposit	0.8837	0.1163	0.8837	0.0100	0.2482
dermatology	0.6757	0.1081	0.6757	0.5827	0.1881
desharnais	0.6250	0.2500	0.6250	0.0000	0.3193
dexter	0.7667	0.2333	0.7667	0.5333	0.6219
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.3667	0.6931
diabetes	0.7692	0.2308	0.7692	0.4730	0.6456
diabetic10%	0.5383	0.3078	0.5383	-0.0017	0.3539
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.9062	0.0938	0.9062	0.7757	0.4232
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.4583	0.5417	0.4583	-0.2000	1.0000
dlbcl-stanford	0.4000	0.6000	0.4000	0.0000	0.5239
dota2	0.5583	0.4417	0.5583	0.0812	0.8337
dropout	0.6704	0.2197	0.6704	0.4563	0.5356
drug-01	0.3936	0.1733	0.3936	-0.0066	0.3288
drug-02	0.5106	0.1398	0.5106	0.0304	0.3666
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5372	0.1322	0.5372	0.0338	0.2973
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3404	0.1885	0.3404	0.1688	0.5715
drug-07	0.4628	0.1535	0.4628	0.0873	0.3506
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6170	0.1094	0.6170	0.2118	0.3300
drug-14	0.5691	0.1231	0.5691	0.0058	0.2651
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5479	0.1292	0.5479	0.1077	0.3025
drug-17	0.3670	0.1809	0.3670	0.1222	0.4970
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.8993	0.0288	0.8993	0.8780	0.1486
ecoli	0.7059	0.0735	0.7059	0.5782	0.1845
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8182	0.1818	0.8182	0.3356	0.3453
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2859	0.0893	0.2859	0.1833	0.4462
eeg-eye	0.5741	0.4259	0.5741	0.0612	0.6268
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.5128	0.4872	0.5128	-0.0422	0.9918
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.4048	0.7394
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9016	0.0984	0.9016	0.3668	0.2262
er_tox_rdkit_descriptors	0.8852	0.1148	0.8852	0.7369	0.4639
er_tox_rdkit_FEATMORGAN	0.8871	0.1129	0.8871	0.7684	0.4075
er_tox_rdkit_LAYERED	0.8548	0.1452	0.8548	0.2520	0.5581
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8388	0.1996
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.4656	0.7452
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.4658	0.2137	0.4658	0.2778	0.4187
euthyroid	0.9114	0.0886	0.9114	0.2004	0.3458
exon.vs.intron-freq	0.9395	0.0605	0.9395	0.8787	0.3060
fbis-wc	0.5569	0.0521	0.5569	0.4712	0.2650
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.3000	0.1750	0.3000	0.0000	0.3283
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.4807	0.0066	0.4808	0.4592	0.2750
forest	0.8654	0.0673	0.8654	0.8133	0.1624
gas	0.9418	0.0194	0.9418	0.9293	0.1157
gastrointestinal	0.6250	0.2500	0.6250	0.2836	0.3307
gender	0.5874	0.2751	0.5874	-0.0038	0.3359
gene	0.7445	0.1703	0.7445	0.5623	0.4580
german	0.6900	0.3100	0.6900	0.1436	0.4576
gina	0.7810	0.2190	0.7810	0.5596	0.6449
glass	0.6190	0.1270	0.6190	0.4000	0.2801
glassBWFP	0.8095	0.1905	0.8095	0.5532	0.3876
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.6875	0.3125	0.6875	0.3939	0.7489
glassNW	0.8095	0.1905	0.8095	0.2759	0.3522
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.4000	0.3000	0.4000	0.0000	0.3039
glioma-grade	0.7857	0.2143	0.7857	0.5325	0.5727
green	0.7000	0.3000	0.7000	0.0000	0.4416
GREY_MAO_DESC_PADEL	0.5714	0.4286	0.5714	0.0000	0.5112
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.3333	0.3333	0.3333	0.0000	0.3817
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.9021	0.0163	0.9021	0.8843	0.1129
har70	0.5986	0.1147	0.5986	0.2952	0.2809
harth10%	0.7291	0.0451	0.7291	0.6235	0.1829
hayes-roth	0.6875	0.2083	0.6875	0.4631	0.3440
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.6667	0.3333	0.6667	0.3193	0.8598
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.6667	0.3333	0.6667	-0.1905	0.8958

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.5672	0.4328	0.5672	0.1299	0.5312
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.7500	0.2500	0.7500	0.3056	0.7334
higgs10%	0.5308	0.4692	0.5308	0.0030	0.5272
higher	0.2143	0.1964	0.2143	0.0000	0.3747
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8533	0.1467	0.8533	0.2951	0.5544
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.5278	0.3148	0.5278	0.0000	0.3606
htru2	0.9771	0.0229	0.9771	0.8514	0.1945
ht-sensor	0.5113	0.3258	0.5113	0.2798	0.4733
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9363	0.0637	0.9363	0.2778	0.1636
ilpd	0.6780	0.3220	0.6780	0.0682	0.8756
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.8571	0.1429	0.8571	0.6914	0.5451
iris	0.4000	0.4000	0.4000	0.0000	0.4035
irish	0.9000	0.1000	0.9000	0.8019	0.3360
isolet	0.8023	0.0152	0.8023	0.7944	0.1574
jm1	0.8090	0.1910	0.8090	0.1326	0.6291
jvowels	0.8353	0.0366	0.8353	0.8130	0.2043
kc1	0.8531	0.1469	0.8531	0.2225	0.5902
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.5812	0.0349	0.5771	0.2549	0.2107
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.0000	0.3643
kidney-disease	0.9500	0.0500	0.9500	0.8904	0.1808
krkopt	0.3258	0.0749	0.3258	0.2327	0.5404
krvskp	0.8401	0.1599	0.8401	0.6781	0.5712
la1s-wc	0.7481	0.0859	0.7499	0.6625	0.3739
la2s-wc	0.7766	0.0782	0.7462	0.7012	0.3296
labor	0.6667	0.3333	0.6667	0.0000	0.4644
leaf	0.0294	0.0485	0.0294	0.0000	0.3575
led24	0.1500	0.1700	0.1500	0.0000	0.3774
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.7795	0.0170	0.7795	0.7706	0.2202
leukemia	0.2857	0.4762	0.2857	0.0000	0.4159
leukemia2	0.5714	0.4286	0.5714	0.0000	0.5112
libra	0.0833	0.1222	0.0833	0.0000	0.4070
linkage10%	0.9999	0.0001	0.9999	0.9856	0.0374
liver	0.7059	0.2941	0.7059	0.2946	0.8394
localization	0.3254	0.1227	0.3254	0.0988	0.4349
lrs	0.7736	0.0453	0.7736	0.6879	0.1686
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7500	0.1000	0.7500	0.2424	0.2040
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.0000	0.3145
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.3333	0.6667	0.3333	0.0000	0.5000
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.5556	0.4444	0.5556	0.0000	0.5164
lymphography	0.7857	0.1071	0.7857	0.5758	0.2734
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.5115	0.4885	0.5115	0.0231	0.9911
magic04	0.7464	0.2536	0.7464	0.3486	0.5739

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5602	0.6990
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.6436	0.2376	0.6436	0.4526	0.5791
messidor	0.6870	0.3130	0.6870	0.3830	0.8023
meter-A	0.3750	0.6250	0.3750	0.0000	0.5170
meter-B	0.4444	0.3704	0.4444	0.0000	0.3901
meter-C	0.5000	0.2500	0.5000	0.2603	0.3327
meter-D	0.6111	0.1944	0.6111	0.4375	0.3569
mfeat-fac	0.8400	0.0320	0.8400	0.8222	0.1662
mfeat-fou	0.7450	0.0510	0.7450	0.7167	0.2310
mfeat-kar	0.8350	0.0330	0.8350	0.8167	0.1745
mfeat-mor	0.6550	0.0690	0.6550	0.6167	0.2202
mfeat-pix	0.8900	0.0220	0.8900	0.8778	0.1114
mfeat-zer	0.5900	0.0820	0.5900	0.5444	0.3449
mice-prot	0.9630	0.0093	0.9630	0.9576	0.0441
mines	0.5294	0.1882	0.5294	0.4093	0.4204
mobile	0.6748	0.0116	0.6748	0.6690	0.1301
monks-1	0.5273	0.4727	0.5273	0.0678	0.7656
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.7679	0.2321	0.7679	0.5285	0.5651
mushroom	0.9951	0.0049	0.9951	0.9902	0.0387
musk	0.8727	0.1273	0.8727	0.3656	0.5555
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9646
mutagen_class_2	0.5882	0.4118	0.5882	0.1765	0.8411
mutagen_class_3	0.5072	0.4928	0.5072	0.0200	0.9626
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7929
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2366	0.7165
MUT_ci300400a	0.6241	0.3759	0.6241	0.1586	0.7789
MUT_ci300400a_cdk_ECFP2	0.5983	0.4017	0.5983	0.1876	0.9232
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.9349	0.0651	0.9349	0.8697	0.3139
nci9	0.1667	0.1852	0.1667	0.0000	0.3342
ncRNA10%	0.9059	0.0099	0.9059	0.7139	0.1724
newspop	0.5318	0.4682	0.5318	-0.0009	0.5375
new-thyroid	0.8571	0.0952	0.8571	0.6111	0.1348
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9385	0.0615	0.9385	0.8498	0.3488
NPHA-doctor-visits	0.4306	0.3796	0.4306	-0.0037	0.6036
nursery	0.6181	0.1528	0.6181	0.4320	0.3954
obs	0.8426	0.0787	0.8426	0.7601	0.2150
occupancy	0.9047	0.0953	0.9047	0.7477	0.4954
Occupancy_Estimation	0.9803	0.0099	0.9803	0.9401	0.0916
oh0-wc	0.3861	0.1228	0.3861	0.2551	0.3326
oh10-wc	0.4190	0.1162	0.4190	0.3117	0.3670
oh15-wc	0.4022	0.1196	0.4022	0.2843	0.3584
oh5-wc	0.3407	0.1319	0.3407	0.2163	0.3506
opn310k	0.9165	0.0835	0.9165	0.2462	0.4607
opnat310k-hg16-17	0.9144	0.0856	0.9144	0.1624	0.3783
optdigits	0.8754	0.0249	0.8754	0.8615	0.1550
optdigitsZ	0.9911	0.0089	0.9911	0.9425	0.0373
orl	0.0250	0.0488	0.0250	0.0000	0.4257
orlraws10P	0.1000	0.1800	0.1000	0.0000	0.4073
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9488	0.0205	0.9488	0.6799	0.1631

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.4956	0.3261
particle	0.8166	0.1834	0.8166	0.4445	0.4608
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5825	0.4175	0.5825	0.0081	0.6329
pd	0.8553	0.1447	0.8553	0.5769	0.5763
pediatric-leukemia	0.6471	0.1008	0.6471	0.5482	0.2085
pendigits	0.9154	0.0169	0.9154	0.9059	0.1154
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5291	0.6338
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8631
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7857	0.2143	0.7857	0.5786	0.5765
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.2857	0.8805
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.8612	0.1388	0.8612	0.7044	0.5354
phoneme	0.7352	0.2648	0.7352	0.1248	0.5956
phy	0.6166	0.3834	0.6166	0.2306	0.7526
pima	0.7237	0.2763	0.7237	0.3899	0.7718
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.5423	0.0915	0.5423	0.1142	0.2520
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9490	0.0510	0.9490	0.1284	0.3015
polish-5th	0.9357	0.0643	0.9357	0.2720	0.4669
polya	0.6800	0.3200	0.6800	0.1390	0.5450
popularity	0.6313	0.2458	0.6313	0.0000	0.2921
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8378	0.0649	0.8378	0.7973	0.2215
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8439
primary-tumor	0.2121	0.0716	0.2121	0.0901	0.3188
profb	0.6418	0.3582	0.6418	0.0563	0.8944
promoters	0.5000	0.5000	0.5000	0.1379	0.5302
prostate	0.6429	0.3571	0.6429	0.1860	0.4929
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9066	0.0374	0.9066	0.8732	0.1518
pufs-6410%	0.4993	0.5008	0.4993	-0.0015	0.9992
raisin	0.9111	0.0889	0.9111	0.8222	0.3945
re0-wc	0.4800	0.0800	0.4800	0.1659	0.2754
re1-wc	0.3434	0.0525	0.3434	0.1631	0.3116
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	0.9875	0.0050	0.9875	0.9834	0.0178
rocket	0.5907	0.4093	0.5907	-0.0016	0.5536
RT_IOT2022	0.9963	0.0006	0.9963	0.9906	0.0079
satimage	0.8631	0.0456	0.8631	0.8312	0.2072
satimageF	0.9829	0.0171	0.9829	0.9090	0.1719
satimageT	0.9285	0.0715	0.9285	0.4874	0.4145
scadi	0.4286	0.1633	0.4286	0.0000	0.2912
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.7059	0.2941	0.7059	0.4118	0.6570
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.5847	0.4153	0.5847	0.0763	0.5775
segment	0.9394	0.0173	0.9394	0.9291	0.0772
segmentO	0.9697	0.0303	0.9697	0.8681	0.1019

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9817	0.0033	0.9817	0.9799	0.0300
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8702	0.1298	0.8702	0.2742	0.4165
shuttle	0.9802	0.0057	0.9802	0.9457	0.0960
sick	0.9363	0.0637	0.9363	0.0722	0.1623
sirtuin6	0.5000	0.5000	0.5000	0.0000	0.5283
skin	0.9708	0.0292	0.9708	0.9116	0.2362
smk_can_187	0.5263	0.4737	0.5263	0.0339	0.9701
solar-flare	0.7194	0.0935	0.7194	0.6360	0.2228
sonar	0.7000	0.3000	0.7000	0.4000	0.7215
soybean	0.6176	0.0402	0.6176	0.5659	0.1751
spambase	0.8891	0.1109	0.8891	0.7688	0.4734
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.7429	0.2571	0.7429	0.1370	0.4138
spectrometer	0.6153	0.0166	0.5978	0.5766	0.0917
splice-EI	0.8927	0.1073	0.8927	0.7035	0.4942
splice-IE	0.8265	0.1735	0.8265	0.3648	0.4013
sport-articles	0.8000	0.2000	0.8000	0.5710	0.6803
squash-stored	0.4000	0.4000	0.4000	0.0000	0.3928
squash-unstored	0.4000	0.4000	0.4000	0.0000	0.2619
steel-b	0.7949	0.2051	0.7949	0.1122	0.5971
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.8667	0.0889	0.8667	0.7837	0.2458
steel-k	0.9590	0.0410	0.9590	0.8641	0.1337
steel-o	0.7333	0.2667	0.7333	0.3091	0.6210
steel-p	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.4615	0.3590	0.4615	0.1250	0.5973
student-weekend	0.3538	0.2585	0.3538	-0.0357	0.4488
student-workday	0.7031	0.1187	0.7031	0.1195	0.3171
susy10%	0.7169	0.2831	0.7169	0.4041	0.5884
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.4454
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.9055	0.0172	0.9055	0.8957	0.1067
theorem	0.8020	0.1980	0.8020	0.6165	0.5096
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.8000	0.2000	0.8000	0.5191	0.6535
tis	0.8743	0.1257	0.8743	0.6264	0.5031
titanic	0.7455	0.2545	0.7455	0.4045	0.7851
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.2353	0.3824	0.2353	0.0000	0.4051
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.5882	0.4118	0.5882	-0.1121	0.8833
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7200	0.2800	0.7200	0.1860	0.8482
trec11-wc	0.5122	0.1084	0.5122	0.3144	0.2644
trec12-wc	0.2903	0.1774	0.2903	0.0173	0.4296

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0544	0.1888
trec23-wc	0.5714	0.1429	0.5714	0.3077	0.3399
trec31-wc	0.6882	0.0891	0.6882	0.5551	0.2578
trec41-wc	0.5795	0.0841	0.5795	0.4406	0.2244
trec45-wc	0.4928	0.1014	0.4928	0.3601	0.2919
tuandromd	0.9529	0.0471	0.9529	0.8544	0.3321
turkish	0.7750	0.1125	0.7750	0.7000	0.2582
tvnews	0.6384	0.3616	0.6384	0.0156	0.4938
urban	0.7612	0.0531	0.7612	0.7150	0.1722
vehicle	0.6786	0.1607	0.6786	0.5605	0.4634
vehicleVAN	0.9167	0.0833	0.9167	0.7742	0.4332
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.9070	0.0930	0.9070	0.8143	0.3926
vowel	0.5152	0.0882	0.5152	0.4667	0.2819
vowelZ	0.9091	0.0909	0.9091	0.1538	0.5090
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.2949	0.0705	0.2949	0.1290	0.3446
warpar10p	0.1538	0.1692	0.1538	0.0000	0.3906
warppiel0p	0.0952	0.1810	0.0952	0.0000	0.4068
watch-acc10%	0.9034	0.0276	0.9034	0.8870	0.0781
watch-gyr10%	0.8563	0.0410	0.8563	0.8320	0.1012
waveform	0.7480	0.1680	0.7480	0.6224	0.4754
web-phishing	0.7778	0.1481	0.7778	0.5952	0.4370
weight-lift	0.9964	0.0014	0.9964	0.9955	0.0105
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9600	0.0200	0.9600	0.9467	0.0895
wilt	0.9752	0.0248	0.9752	0.7261	0.4016
wine	0.8235	0.1176	0.8235	0.6982	0.2770
winequality-red	0.4591	0.1803	0.4591	0.0959	0.4296
winequality-white	0.4683	0.1519	0.4683	0.0781	0.4116
winnipeg	0.9607	0.0112	0.9607	0.9502	0.0718
yale	0.0625	0.1250	0.0625	0.0000	0.4106
yeast	0.3311	0.1338	0.3311	0.1163	0.3932
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	-0.0109	0.5494
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.8473	0.0305	0.8473	0.8284	0.1961
zoo	0.3000	0.2000	0.3000	0.0000	0.3070

Table 88: Detailed results for MPBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1593	0.0568	0.1619	0.0775	0.5032
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9360	0.0640	0.9360	0.6718	0.1723
adult	0.8245	0.1755	0.8245	0.4734	0.6783
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	0.0437	0.6386
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1981	0.9151
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.2188	0.4125
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8923	0.1077	0.8923	0.6374	0.2574
all-aml	0.6667	0.3333	0.6667	0.0000	0.4644
anneal	0.9101	0.0360	0.9101	0.7909	0.1453
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9430	0.0285	0.9430	0.8886	0.1260
anuran-f-b	0.9958	0.0042	0.9958	0.6648	0.0187
anuran-genus	0.9291	0.0177	0.9291	0.8796	0.0993
anuran-species	0.9125	0.0175	0.9125	0.8756	0.1148
aps-failure	0.9851	0.0149	0.9851	0.6383	0.5187
arcene	0.6500	0.3500	0.6500	0.3396	0.7400
arrhythmia	0.6000	0.0615	0.6000	0.1956	0.2111
auction	0.9118	0.0882	0.9118	0.4368	0.2107
audiology	0.5217	0.0399	0.5217	0.4289	0.1341
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	0.8182	0.1818	0.8182	0.5600	0.3750
autism-adult	0.9143	0.0857	0.9143	0.7594	0.2317
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6000	0.1333	0.6000	0.4425	0.2631
avila	0.8567	0.0239	0.8567	0.8095	0.1454
balance	0.7581	0.1613	0.7581	0.5499	0.3193
bank	0.9000	0.1000	0.9000	0.3011	0.5153
banknote	0.9270	0.0730	0.9270	0.8532	0.3457

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8433	0.1567	0.8433	0.6301	0.4343
basehock	0.9296	0.0704	0.9296	0.8593	0.3385
bio	0.9960	0.0040	0.9960	0.7193	0.1054
biodeg	0.7619	0.2381	0.7619	0.4670	0.7140
biomed	0.8571	0.1429	0.8571	0.6897	0.5386
bitcoin10%	0.9762	0.0008	0.9906	0.4230	0.1843
block10%	0.9964	0.0036	0.9964	0.0094	0.0166
block10%	0.9964	0.0036	0.9964	0.0094	0.0166
breast-cancer	0.7143	0.2857	0.7143	0.1765	0.8228
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.5455	0.4545	0.5455	0.0000	0.5193
breast-tissue	0.2727	0.2424	0.2727	0.1776	0.2733
bridges	0.6000	0.1143	0.6000	0.2593	0.2276
bub10at310k-hg16-17	0.9212	0.0788	0.9212	0.3168	0.4534
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5553	0.2744
cad	0.9000	0.1000	0.9000	0.7541	0.4463
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.7586	0.1207	0.7586	0.2897	0.2104
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.7277	0.0545	0.7277	0.6746	0.2901
cardiotocography-nsp	0.8873	0.0751	0.8873	0.6735	0.4032
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6000	0.2667	0.6000	0.1731	0.7123
cas_N6512_cdk_ECFP2	0.6098	0.3902	0.6098	0.1828	0.8360
cdc_diabetes	0.8440	0.1040	0.8440	0.0658	0.3232
census10%	0.9438	0.0561	0.9438	0.1417	0.2594
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9419	0.0581	0.9419	0.2712	0.1529
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9302	0.0698	0.9302	0.3768	0.1761
chemo_fontaine	0.6977	0.3023	0.6977	0.2693	0.7460
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9993	0.0007	0.9993	0.4505	0.1115
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6644	0.5721
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6186	0.6289
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6087	0.3570
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3103	0.6309
cirrhosis	0.7619	0.1587	0.7619	0.5161	0.3788
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6843	0.1579	0.6843	0.4918	0.5307
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.4167	0.3889	0.4167	-0.1053	0.5922
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5374	0.3084	0.5374	0.2706	0.6956
cnae-9	0.7037	0.0658	0.7037	0.6667	0.2085
codon_usage	0.7252	0.0500	0.7252	0.6590	0.2536
coil20	0.9444	0.0056	0.9444	0.9415	0.0390
collins	0.7000	0.0400	0.7000	0.6665	0.1366
colon-tumor	0.6667	0.3333	0.6667	0.0000	0.4644
colposcopies-1	0.6897	0.3103	0.6897	0.1767	0.7276
colposcopies-2	0.6552	0.3448	0.6552	0.1471	0.7403
colposcopies-3	0.5862	0.4138	0.5862	0.0794	0.9150
colposcopies-4	0.8276	0.1724	0.8276	0.4649	0.3439

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.7586	0.2414	0.7586	0.5085	0.4545
colposcopies-c	0.8276	0.1724	0.8276	0.3777	0.3360
column-2c	0.8710	0.1290	0.8710	0.6884	0.4958
column-3c	0.6774	0.2151	0.6774	0.4599	0.4360
connect-4	0.9799	0.0134	0.9799	0.1970	0.0388
cottonmeloidogyne	0.6538	0.3462	0.6538	0.3067	0.8679
coupon	0.6577	0.3423	0.6577	0.2650	0.8270
covtype	0.5475	0.1293	0.5475	0.1816	0.2504
covtypeCD	0.9667	0.0333	0.9667	0.8533	0.2679
covtypeT	0.9519	0.0481	0.9519	0.4814	0.2594
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.8756	0.0415	0.8756	0.7200	0.2014
cryotherapy	0.4444	0.5556	0.4444	0.0000	0.5302
cultivars	0.0625	0.0469	0.0625	0.0332	0.3026
cyclopentane	0.6296	0.3704	0.6296	0.2241	0.8800
cylinder-bands	0.7222	0.2778	0.7222	0.3873	0.6049
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.4286	0.5714	0.4286	0.0000	0.5288
default	0.7800	0.2200	0.7800	0.0087	0.3868
deposit	0.8845	0.1155	0.8845	0.0556	0.3627
dermatology	0.9730	0.0090	0.9730	0.9661	0.0256
desharnais	0.6250	0.2500	0.6250	0.0000	0.3193
dexter	0.6333	0.3667	0.6333	0.2667	0.5093
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.4673	0.6529
diabetes	0.8462	0.1538	0.8462	0.6556	0.4818
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	0.9167	0.0833	0.9167	0.8333	0.3145
dishonest	0.9062	0.0938	0.9062	0.7624	0.2534
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5000	0.5000	0.5000	-0.1250	0.9838
dlbcl-stanford	0.7929	0.1986	0.7975	0.6043	0.4686
dota2	0.5628	0.4372	0.5628	0.0913	0.8359
dropout	0.6704	0.2197	0.6704	0.4018	0.4709
drug-01	0.3670	0.1809	0.3670	0.0512	0.5542
drug-02	0.4681	0.1520	0.4681	0.0804	0.5921
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.4574	0.1550	0.4574	0.0721	0.6692
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3245	0.1930	0.3245	0.1601	0.6394
drug-07	0.3936	0.1733	0.3936	0.0678	0.4474
drug-08	0.5745	0.1216	0.5745	0.2129	0.4343
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.1438	0.4732
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5585	0.1261	0.5585	0.0929	0.5205
drug-14	0.5638	0.1246	0.5638	0.1404	0.3610
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5638	0.1246	0.5638	0.2362	0.4373
drug-17	0.3777	0.1778	0.3777	0.1318	0.5782
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0300	0.1621
drybean	0.9118	0.0252	0.9118	0.8932	0.1325
ecoli	0.7353	0.0662	0.7353	0.6232	0.1932
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.7879	0.2121	0.7879	0.1779	0.3716
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.1598	0.1050	0.1598	0.0673	0.5362
eeg-eye	0.5734	0.4266	0.5734	0.0596	0.6271
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.1333	0.8025
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4510	0.7177
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9016	0.0984	0.9016	0.3668	0.2262
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6137	0.6392
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8689	0.3013
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6894	0.4884
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9194	0.0806	0.9194	0.8015	0.3477
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.3788	0.7815
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.4247	0.2301	0.4247	0.2507	0.6069
euthyroid	0.9019	0.0981	0.9019	0.0940	0.4479
exon.vs.intron-freq	0.9256	0.0744	0.9256	0.8501	0.3328
fbis-wc	0.6789	0.0378	0.6789	0.6347	0.2739
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5498	0.2274
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.4915	0.0068	0.4793	0.4464	0.2810
forest	0.8077	0.0962	0.8077	0.7333	0.2497
gas	0.9633	0.0122	0.9633	0.9555	0.0775
gastrointestinal	0.6875	0.2083	0.6875	0.4245	0.3017
gender	0.5895	0.2737	0.5895	0.0053	0.3363
gene	0.8549	0.0967	0.8549	0.7623	0.3464
german	0.7000	0.3000	0.7000	0.2629	0.8021
gina	0.7781	0.2219	0.7781	0.5540	0.6590
glass	0.5714	0.1429	0.5714	0.4130	0.3657
glassBWFP	0.8095	0.1905	0.8095	0.5532	0.3876
glassBWNFP	0.8095	0.1905	0.8095	0.5385	0.6309
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.6875	0.3125	0.6875	0.3939	0.7489
glassNW	0.9048	0.0952	0.9048	0.6957	0.2404
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.2000	0.4000	0.2000	0.0000	0.3270
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.7000	0.3000	0.7000	0.0000	0.4416
GREY_MAO_DESC_PADEL	0.4286	0.5714	0.4286	0.0000	0.5288
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.4000	0.3000	0.4000	0.1562	0.5792
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.9149	0.0142	0.9149	0.8993	0.0857
har70	0.6801	0.0914	0.6801	0.4551	0.1778
harth10%	0.5573	0.0738	0.5573	0.3047	0.2919
hayes-roth	0.5000	0.3333	0.5000	0.1950	0.5024
hcc-survival	0.5294	0.4706	0.5294	-0.0625	0.9644
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8333	0.1667	0.8333	0.6575	0.3902
hepatitis	0.8000	0.2000	0.8000	0.0000	0.3522

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7913	0.2087	0.7913	0.5818	0.5959
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.7692	0.2308	0.7692	0.0000	0.3833
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5308	0.4692	0.5308	0.0029	0.5262
higher	0.2143	0.1964	0.2143	0.0128	0.4092
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8347	0.1653	0.8347	0.0483	0.3138
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.5556	0.2963	0.5556	0.0710	0.3533
htru2	0.9782	0.0218	0.9782	0.8619	0.2206
ht-sensor	0.6390	0.2406	0.6390	0.4710	0.4243
hypothyroid	0.9178	0.0411	0.9178	0.1533	0.0912
hypothyroidT	0.9390	0.0610	0.9390	0.3251	0.1589
ilpd	0.7458	0.2542	0.7458	0.2324	0.6991
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9429	0.0571	0.9429	0.8606	0.1858
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.9400	0.0600	0.9400	0.8800	0.2534
isolet	0.7279	0.0209	0.7279	0.7170	0.2239
jm1	0.8081	0.1919	0.8081	0.1171	0.6182
fvowels	0.7068	0.0651	0.7068	0.6674	0.2817
kc1	0.8531	0.1469	0.8531	0.1328	0.4277
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.5609	0.0365	0.5823	0.2479	0.2157
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.8269	0.1731	0.8269	0.3237	0.5729
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.2096	0.0878	0.2096	0.1415	0.7472
krvskp	0.8840	0.1160	0.8840	0.7659	0.4329
la1s-wc	0.7401	0.0875	0.7240	0.6642	0.3701
la2s-wc	0.7770	0.0793	0.7758	0.6981	0.3297
labor	0.6667	0.3333	0.6667	0.0000	0.4644
leaf	0.5000	0.0250	0.5000	0.4807	0.0907
led24	0.5000	0.1000	0.5000	0.4429	0.2219
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.7550	0.0188	0.7550	0.7451	0.2525
leukemia	0.4286	0.3810	0.4286	0.0000	0.3980
leukemia2	0.5714	0.4286	0.5714	0.0000	0.5112
libra	0.5000	0.0667	0.5000	0.4631	0.1825
linkage10%	0.9965	0.0035	0.9965	0.0554	0.0162
liver	0.7647	0.2353	0.7647	0.4357	0.7504
localization	0.0944	0.1647	0.0944	0.0497	0.4241
lrs	0.7925	0.0415	0.7925	0.7148	0.1598
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.7619	0.0952	0.7619	0.3860	0.1774
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7500	0.1000	0.7500	0.2424	0.2040
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.0000	0.3145
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.5556	0.4444	0.5556	0.0000	0.5164
lymphography	0.7857	0.1071	0.7857	0.5758	0.2734
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.5385	0.4615	0.5385	0.0769	0.9764
magic04	0.7312	0.2688	0.7312	0.2961	0.5529

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6021	0.6610
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.6931	0.2046	0.6931	0.5346	0.5287
messidor	0.6870	0.3130	0.6870	0.3718	0.8313
meter-A	0.6250	0.3750	0.6250	0.0000	0.4882
meter-B	0.4444	0.3704	0.4444	0.0000	0.3901
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.6667	0.1667	0.6667	0.5345	0.3278
mfeat-fac	0.9050	0.0190	0.9050	0.8944	0.1043
mfeat-fou	0.6550	0.0690	0.6550	0.6167	0.3143
mfeat-kar	0.8300	0.0340	0.8300	0.8111	0.1822
mfeat-mor	0.6450	0.0710	0.6450	0.6056	0.2355
mfeat-pix	0.9000	0.0200	0.9000	0.8889	0.1173
mfeat-zer	0.6700	0.0660	0.6700	0.6333	0.2804
mice-prot	0.7222	0.0694	0.7222	0.6814	0.2541
mines	0.5294	0.1882	0.5294	0.4093	0.3798
mobile	0.3846	0.0220	0.3846	0.3735	0.2515
monks-1	0.7455	0.2545	0.7455	0.4907	0.7571
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.7679	0.2321	0.7679	0.5285	0.5651
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8773	0.1227	0.8773	0.3363	0.4094
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.5245
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8214
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3326	0.8516
MUT_ci300400a	0.6053	0.3947	0.6053	0.1073	0.7706
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0535	0.5725
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.9270	0.0730	0.9270	0.8541	0.3235
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.9006	0.0105	0.9006	0.6947	0.1642
newspop	0.5361	0.4639	0.5361	0.0093	0.5619
new-thyroid	0.9048	0.0635	0.9048	0.7586	0.1071
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9423	0.0577	0.9423	0.8574	0.3243
NPHA-doctor-visits	0.3472	0.4352	0.3472	-0.1066	0.7684
nursery	0.8480	0.0608	0.8480	0.7757	0.1740
obs	0.8333	0.0833	0.8333	0.7479	0.2339
occupancy	0.9572	0.0428	0.9572	0.8794	0.2897
Occupancy_Estimation	0.9901	0.0049	0.9901	0.9699	0.0616
oh0-wc	0.6337	0.0733	0.6337	0.5725	0.3037
oh10-wc	0.5810	0.0838	0.5810	0.5150	0.3447
oh15-wc	0.4891	0.1022	0.4891	0.4115	0.4116
oh5-wc	0.3956	0.1209	0.3956	0.3003	0.3716
opn310k	0.9189	0.0811	0.9189	0.2693	0.4359
opnat310k-hg16-17	0.9187	0.0813	0.9187	0.2551	0.4147
optdigits	0.9235	0.0153	0.9235	0.9149	0.0966
optdigitsZ	0.9929	0.0071	0.9929	0.9545	0.0312
orl	0.4750	0.0262	0.4750	0.4615	0.1004
orlraws10P	0.1000	0.1800	0.1000	0.0000	0.4073
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9671	0.0132	0.9671	0.8095	0.1888

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.4956	0.3261
particle	0.8484	0.1516	0.8484	0.5642	0.4551
pasture	0.5000	0.3333	0.5000	0.0000	0.3770
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5773	0.4227	0.5773	0.0019	0.7080
pd	0.8421	0.1579	0.8421	0.4667	0.3231
pediatric-leukemia	0.6176	0.1092	0.6176	0.5159	0.2661
pendigits	0.9481	0.0104	0.9481	0.9423	0.0795
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4311	0.6939
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8095	0.1905	0.8095	0.6128	0.6068
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.6000	0.4000	0.6000	0.1304	0.9336
phishing	0.9265	0.0735	0.9265	0.8453	0.3560
phoneme	0.7296	0.2704	0.7296	0.0846	0.5462
phy	0.6330	0.3670	0.6330	0.2639	0.7839
pima	0.7763	0.2237	0.7763	0.4807	0.4181
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.4419	0.1116	0.4419	0.1503	0.5345
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9442	0.0558	0.9442	0.4495	0.4783
polya	0.7059	0.2941	0.7059	0.2568	0.7064
popularity	0.6313	0.2458	0.6313	0.0000	0.2921
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.7369	0.1052	0.7369	0.6725	0.2323
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8819
primary-tumor	0.3333	0.0606	0.3333	0.2592	0.2848
profb	0.6866	0.3134	0.6866	0.1394	0.7748
promoters	0.7000	0.3000	0.7000	0.4444	0.5112
prostate	0.7143	0.2857	0.7143	0.4167	0.8058
prostate_GE	0.9091	0.0909	0.9091	0.8197	0.3145
puc-rio	0.8998	0.0401	0.8998	0.8634	0.1382
pufs-6410%	0.4999	0.5001	0.4999	-0.0003	0.9976
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.5800	0.0646	0.5800	0.3697	0.2537
re1-wc	0.5843	0.0333	0.5843	0.5123	0.2748
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5980	0.4020	0.5980	0.0232	0.6003
RT_IOT2022	0.9973	0.0004	0.9973	0.9933	0.0046
satimage	0.8631	0.0456	0.8631	0.8305	0.2019
satimageF	0.9844	0.0156	0.9844	0.9178	0.1662
satimageT	0.9300	0.0700	0.9300	0.4652	0.2954
scadi	0.4286	0.1633	0.4286	0.0000	0.2912
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.5294	0.4706	0.5294	0.0588	0.9318
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.5669	0.4331	0.5669	0.0319	0.5704
segment	0.9394	0.0173	0.9394	0.9291	0.0800
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9560	0.0440	0.9560	0.6981	0.1287
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sensorless	0.8405	0.0290	0.8405	0.8246	0.0930
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8508	0.1492	0.8508	0.0590	0.3316
shuttle	0.9979	0.0006	0.9979	0.9942	0.0034
sick	0.9443	0.0557	0.9443	0.2624	0.1480
sirtuin6	0.5000	0.5000	0.5000	0.0000	0.5283
skin	0.9777	0.0223	0.9777	0.9315	0.1760
smk_can_187	0.5789	0.4211	0.5789	0.1556	0.9466
solar-flare	0.6691	0.1103	0.6691	0.5702	0.3006
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.8824	0.0124	0.8824	0.8697	0.0557
spambase	0.9217	0.0783	0.9217	0.8360	0.3732
spect	0.7407	0.2593	0.7407	0.0870	0.8344
spectf	0.7714	0.2286	0.7714	0.2632	0.3942
spectrometer	0.5923	0.0169	0.6036	0.5726	0.0954
splice-EI	0.9022	0.0978	0.9022	0.7136	0.3771
splice-IE	0.8391	0.1609	0.8391	0.4511	0.5117
sport-articles	0.7900	0.2100	0.7900	0.5520	0.6977
squash-stored	0.4000	0.4000	0.4000	0.0000	0.3928
squash-unstored	0.6000	0.2667	0.6000	0.0000	0.2500
steel-b	0.7949	0.2051	0.7949	0.0380	0.3587
steel-d	0.9744	0.0256	0.9744	0.2794	0.0817
steel_industry	0.8627	0.0915	0.8627	0.7787	0.2656
steel-k	0.9590	0.0410	0.9590	0.8668	0.2057
steel-o	0.7128	0.2872	0.7128	0.2312	0.5700
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9282	0.0718	0.9282	0.3920	0.1801
studentap	0.4615	0.3590	0.4615	0.1574	0.6080
student-weekend	0.3846	0.2462	0.3846	0.1464	0.5835
student-workday	0.7031	0.1187	0.7031	0.0264	0.1995
susy10%	0.6506	0.3494	0.6506	0.2522	0.5157
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.4179
Tdp_desc	0.7778	0.2222	0.7778	0.1220	0.6875
texture	0.9345	0.0119	0.9345	0.9278	0.0843
theorem	0.8020	0.1980	0.8020	0.5686	0.5231
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.7895	0.2105	0.7895	0.5060	0.6975
tis	0.8601	0.1399	0.8601	0.5630	0.4861
titanic	0.8091	0.1909	0.8091	0.4877	0.4346
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.5294	0.2353	0.5294	0.3645	0.4167
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7600	0.2400	0.7600	0.2241	0.7880
trec11-wc	0.7805	0.0488	0.7805	0.7209	0.1276
trec12-wc	0.7742	0.0565	0.7742	0.7160	0.1296

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.3810	0.2063	0.3810	-0.0664	0.4191
trec31-wc	0.7204	0.0799	0.7204	0.5971	0.2737
trec41-wc	0.8068	0.0386	0.8068	0.7576	0.1557
trec45-wc	0.6667	0.0667	0.6667	0.5956	0.2055
tuandromd	0.9260	0.0740	0.9260	0.7461	0.3380
turkish	0.6000	0.2000	0.6000	0.4667	0.5210
tvnews	0.6391	0.3609	0.6391	0.0181	0.4952
urban	0.7612	0.0531	0.7612	0.7180	0.1890
vehicle	0.6190	0.1905	0.6190	0.4893	0.4677
vehicleVAN	0.9286	0.0714	0.9286	0.8033	0.3723
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8608	0.2605
vowel	0.3737	0.1139	0.3737	0.3111	0.3689
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.5833	0.0417	0.5833	0.5292	0.2308
warpar10p	0.5385	0.0923	0.5385	0.4868	0.1563
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9055	0.0270	0.9055	0.8894	0.0941
watch-gyr10%	0.9032	0.0277	0.9032	0.8869	0.0983
waveform	0.7100	0.1933	0.7100	0.5647	0.4442
web-phishing	0.8370	0.1086	0.8370	0.6944	0.4179
weight-lift	0.9964	0.0014	0.9964	0.9955	0.0100
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9400	0.0300	0.9400	0.9200	0.1057
wilt	0.9503	0.0497	0.9503	0.0000	0.1349
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.5220	0.1593	0.5220	0.1984	0.4650
winequality-white	0.4969	0.1437	0.4969	0.1349	0.4165
winnipeg	0.9798	0.0058	0.9798	0.9745	0.0550
yale	0.5625	0.0583	0.5625	0.5333	0.0919
yeast	0.4527	0.1095	0.4527	0.3012	0.4011
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.8462	0.0308	0.8462	0.8274	0.1863
zoo	0.8000	0.0571	0.8000	0.7436	0.0418

Table 89: Detailed results for NGBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1605	0.0571	0.1623	0.0765	0.5038
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9451	0.0549	0.9451	0.7279	0.1551
adult	0.8155	0.1845	0.8155	0.3036	0.3595
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6757	0.3243	0.6757	0.2649	0.7719
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.7000	0.3000	0.7000	0.1176	0.7934
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8615	0.1385	0.8615	0.5339	0.4764
all-aml	0.8531	0.1644	0.8300	0.5804	0.3474
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9416	0.0292	0.9416	0.8869	0.1281
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.9013	0.0247	0.9013	0.8308	0.1310
anuran-species	0.8875	0.0225	0.8875	0.8381	0.1361
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6889	0.0479	0.6889	0.4112	0.2421
auction	0.9461	0.0539	0.9461	0.7041	0.1517
audiology	0.8801	0.0109	0.8731	0.8658	0.0225
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	0.9960	1.0000	0.0000
autism-adult	0.9996	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	0.9897	0.0000
autos	0.8500	0.0500	0.8500	0.7980	0.0929
avila	0.6023	0.0663	0.6023	0.3990	0.2175
balance	0.8065	0.1290	0.8065	0.6342	0.3195
bank	0.8874	0.1126	0.8874	0.0000	0.2427
banknote	0.9197	0.0803	0.9197	0.8383	0.3730

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	0.9919	0.0000
barleyblumeria	0.8387	0.1613	0.8387	0.6169	0.4241
basehock	0.8945	0.1055	0.8945	0.7891	0.3585
bio	0.9912	0.0088	0.9912	0.0300	0.0345
biodeg	0.8095	0.1905	0.8095	0.5714	0.5953
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9762	0.0008	0.9789	0.4246	0.1853
block10%	0.9997	0.0003	0.9997	0.9628	0.0017
block10%	0.9997	0.0003	0.9997	0.9628	0.0017
breast-cancer	0.7857	0.2143	0.7857	0.3226	0.3833
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.6774	0.1083
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.8293	0.1707	0.8293	0.3084	0.3295
cad	1.0000	0.0000	0.9863	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.7606	0.0479	0.7606	0.7059	0.1861
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7628	0.2607
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6737	0.2862
cas_N6512_cdk_ECFP2	0.6375	0.3625	0.6375	0.2871	0.8529
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9402	0.0598	0.9402	0.0000	0.1548
central-nervous-system	0.6667	0.3333	0.6667	0.4000	0.5283
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.8605	0.1395	0.8605	0.6936	0.5324
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6347	0.5902
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6347	0.5902
ci900367j_MACCS	0.6737	0.3263	0.6737	0.1776	0.5941
cirrhosis	0.7381	0.1746	0.7381	0.4474	0.3499
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	0.9880	1.0000	0.0000
clave	0.7074	0.1463	0.7074	0.5142	0.3363
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5646	0.2902	0.5646	0.3150	0.6677
cnae-9	0.8796	0.0267	0.8796	0.8646	0.1191
codon_usage	0.7713	0.0416	0.7713	0.7168	0.2116
coil20	0.9514	0.0049	0.9514	0.9488	0.0353
collins	0.9400	0.0080	0.9400	0.9340	0.0233
colon-tumor	0.6728	0.3349	0.6760	0.3960	0.5365
colposcopies-1	0.7241	0.2759	0.7241	0.3256	0.7761
colposcopies-2	0.6897	0.3103	0.6897	0.2162	0.4644
colposcopies-3	0.6552	0.3448	0.6552	0.2328	0.8166
colposcopies-4	0.7931	0.2069	0.7931	0.3256	0.3750

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.7931	0.2069	0.7931	0.5837	0.6596
colposcopies-c	0.7586	0.2414	0.7586	0.1288	0.7232
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6810	0.2682
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.6971	0.3029	0.6971	0.3950	0.8136
coupon	0.6640	0.3360	0.6640	0.2842	0.8348
covtype	0.6901	0.0885	0.6901	0.4701	0.2767
covtypeCD	0.9299	0.0701	0.9299	0.6257	0.2315
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.7926	0.0691	0.7926	0.4584	0.2171
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3561	0.1099
cyclopentane	0.7407	0.2593	0.7407	0.4615	0.7356
cylinder-bands	0.7407	0.2593	0.7407	0.4383	0.6625
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.3717	0.6024
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.9167	0.0833	0.9167	0.8333	0.2846
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.8462	0.1538	0.8462	0.6556	0.4818
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	0.9854	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4073	0.6017	0.4049	-0.3648	1.0000
dlbcl-harvard-tumor	0.6157	0.3745	0.6300	0.1425	0.8435
dlbcl-nih	0.7083	0.2917	0.7083	0.3538	0.7076
dlbcl-stanford	0.7975	0.2045	0.8091	0.6275	0.4636
dota2	0.5424	0.4576	0.5424	0.0363	0.6524
dropout	0.7427	0.1716	0.7427	0.5462	0.4181
drug-01	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4255	0.1641	0.4255	0.2552	0.4467
drug-07	0.4309	0.1626	0.4309	0.0019	0.2547
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5798	0.1201	0.5798	0.0000	0.2556
drug-14	0.5904	0.1170	0.5904	0.0694	0.2528
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5213	0.1368	0.5213	0.0000	0.2706
drug-17	0.3883	0.1748	0.3883	0.1225	0.4164
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9001	0.0285	0.9001	0.8788	0.1432
ecoli	0.7647	0.0588	0.7647	0.6553	0.0989
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9091	0.0909	0.9091	0.3529	0.6260
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3108	0.0861	0.3108	0.2170	0.5215
eeg-eye	0.7123	0.2877	0.7123	0.3946	0.7127
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.3981	0.6266
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.5984	0.4904
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.4874	0.0997
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.5722	0.4596
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6008	0.4861
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8482	0.3498
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.5637	0.5669
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6164	0.1534	0.6164	0.5005	0.3713
euthyroid	0.9589	0.0411	0.9589	0.7570	0.3878
exon.vs.intron-freq	0.9138	0.0862	0.9138	0.8261	0.3642
fbis-wc	0.7724	0.0268	0.7724	0.7375	0.1626
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5469	0.1959
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.3508	0.0085	0.3508	0.2825	0.3076
forest	0.9231	0.0385	0.9231	0.8934	0.0853
gas	0.9267	0.0244	0.9267	0.9109	0.1267
gastrointestinal	0.6250	0.2500	0.6250	0.3684	0.3556
gender	0.5895	0.2737	0.5895	0.0000	0.3139
gene	0.7950	0.1367	0.7950	0.6620	0.3738
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.8761	0.1239	0.8761	0.7517	0.4900
glass	0.8571	0.0476	0.8571	0.8013	0.1361
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.6667	0.1078
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.2667	0.3667	0.2667	-0.0185	0.6781
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.9158	0.0140	0.9158	0.9003	0.0991
har70	0.8628	0.0392	0.8628	0.7945	0.1564
harth10%	0.7836	0.0361	0.7836	0.6928	0.2035
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8667	0.1333	0.8667	0.4444	0.2846

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8261	0.1739	0.8261	0.6522	0.6125
hERG-121inputs	1.0000	0.0000	1.0000	0.9928	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6698	0.3302	0.6698	0.3326	0.8543
higher	0.4286	0.1429	0.4286	0.3373	0.2269
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.6111	0.2593	0.6111	0.2270	0.4393
htru2	0.9810	0.0190	0.9810	0.8779	0.1578
ht-sensor	0.6928	0.2048	0.6928	0.5406	0.5343
hypothyroid	0.9920	0.0040	0.9920	0.9526	0.0810
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	0.9996	1.0000	0.0000
isolet	0.8395	0.0123	0.8395	0.8331	0.1333
jm1	0.8062	0.1938	0.8062	0.0000	0.3455
fvowels	0.7851	0.0477	0.7851	0.7555	0.2509
kc1	0.8436	0.1564	0.8436	0.0000	0.3019
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5660	0.0364	0.5649	0.2531	0.2131
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.2145	0.6041
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.2428	0.0841	0.2428	0.1160	0.4491
krvskp	0.9122	0.0878	0.9122	0.8235	0.3848
la1s-wc	0.6730	0.1090	0.6730	0.5740	0.3490
la2s-wc	0.6225	0.1258	0.6225	0.4956	0.3637
labor	0.8229	0.1677	0.8254	0.6799	0.4710
leaf	0.6922	0.0160	0.6751	0.6739	0.0618
led24	0.6500	0.0700	0.6500	0.6056	0.1621
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.6840	0.0243	0.6840	0.6713	0.2894
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8526	0.1428	0.8744	0.7134	0.4093
libra	0.5833	0.0556	0.5833	0.5522	0.1732
linkage10%	0.9999	0.0001	0.9999	0.9855	0.0007
liver	0.6765	0.3235	0.6765	0.2429	0.8721
localization	0.4430	0.1013	0.4430	0.1993	0.3288
lrs	0.7736	0.0453	0.7736	0.6814	0.1767
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9524	0.0190	0.9524	0.9139	0.1179
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9029	0.1238
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.9897	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.9903	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.0648
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7255	0.1760
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.0575
madelon	0.7308	0.2692	0.7308	0.4615	0.7776
magic04	0.7991	0.2009	0.7991	0.5060	0.5386

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6430	0.6156
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6040	0.2640	0.6040	0.3868	0.5363
messidor	0.6609	0.3391	0.6609	0.3271	0.8476
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1217
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0868
mfeat-fou	0.7250	0.0550	0.7250	0.6944	0.2363
mfeat-kar	0.8850	0.0230	0.8850	0.8722	0.1301
mfeat-mor	0.7250	0.0550	0.7250	0.6944	0.2011
mfeat-pix	0.9100	0.0180	0.9100	0.9000	0.1053
mfeat-zer	0.7150	0.0570	0.7150	0.6833	0.2404
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4138	0.4165
mobile	0.7413	0.0092	0.7413	0.7366	0.1132
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.9643	0.0357	0.9643	0.9285	0.2076
mushroom	0.9779	0.0221	0.9779	0.9557	0.1397
musk	0.8833	0.1167	0.8833	0.3898	0.4201
mutagen_class_1	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_2	0.4559	0.5441	0.4559	-0.0882	0.8662
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.7818
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2261	0.8960
MUT_ci300400a	0.7506	0.2494	0.7506	0.4848	0.7520
MUT_ci300400a_cdk_ECFP2	0.7194	0.2806	0.7194	0.4173	0.8004
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9308	0.0692	0.9308	0.8615	0.3158
nci9	0.3333	0.1481	0.3333	0.2258	0.1169
ncRNA10%	0.8233	0.0186	0.8233	0.3050	0.1749
newspop	0.6564	0.3436	0.6564	0.2998	0.8568
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	0.9915	0.0000
NHANES_age_prediction	0.9946	0.0000	0.9968	1.0000	0.0000
nomao	0.9214	0.0786	0.9214	0.7982	0.3556
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0000	0.3630
nursery	0.8835	0.0466	0.8835	0.8272	0.1361
obs	0.8519	0.0741	0.8519	0.7757	0.1825
occupancy	0.9898	0.0102	0.9898	0.9717	0.1192
Occupancy_Estimation	0.9882	0.0059	0.9882	0.9638	0.0226
oh0-wc	0.8812	0.0238	0.8812	0.8630	0.1010
oh10-wc	0.7048	0.0590	0.7048	0.6613	0.2405
oh15-wc	0.8370	0.0326	0.8370	0.8134	0.1493
oh5-wc	0.7802	0.0440	0.7802	0.7509	0.1802
opn310k	0.9091	0.0909	0.9091	0.0000	0.2092
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.8968	0.0206	0.8968	0.8853	0.1329
optdigitsZ	0.9929	0.0071	0.9929	0.9553	0.0921
orl	0.6250	0.0187	0.6250	0.6154	0.0735
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0760
ovarian-cancer	0.9956	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	1.0000	0.0032	1.0000	0.0000	0.0149
page-blocks	0.9744	0.0102	0.9744	0.8417	0.0660

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8791	0.1209	0.8791	0.6764	0.4751
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5876	0.4124	0.5876	0.0262	0.6698
pd	0.8553	0.1447	0.8553	0.5217	0.3086
pediatric-leukemia	0.7647	0.0672	0.7647	0.7109	0.2143
pendigits	0.8972	0.0206	0.8972	0.8857	0.1302
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7784	0.2216	0.7784	0.4475	0.6407
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.7768
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7310	0.5083
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.6000	0.4000	0.6000	0.1304	0.9336
phishing	0.9347	0.0653	0.9347	0.8620	0.3214
phoneme	0.7944	0.2056	0.7944	0.3888	0.5884
phy	0.6862	0.3138	0.6862	0.3722	0.8377
pima	0.7237	0.2763	0.7237	0.3667	0.6931
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.4997	0.1001	0.4997	0.0000	0.1726
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.6995	0.3005	0.6995	0.2247	0.6654
popularity	0.6313	0.2458	0.6313	0.0000	0.2921
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.7621	0.0952	0.7621	0.7028	0.3417
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8956
primary-tumor	0.5152	0.0441	0.5152	0.4489	0.1906
profb	0.6866	0.3134	0.6866	0.1394	0.7748
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	0.9976	0.0000
puc-rio	0.8343	0.0663	0.8343	0.7729	0.2060
pufs-6410%	0.4997	0.5003	0.4997	-0.0006	0.9991
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.7533	0.0379	0.7533	0.6631	0.2391
re1-wc	0.7771	0.0178	0.7771	0.7406	0.1472
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	0.9854	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9904	0.0016	0.9904	0.9759	0.0143
satimage	0.8320	0.0560	0.8320	0.7906	0.2130
satimageF	0.9907	0.0093	0.9907	0.9513	0.1170
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9712
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.8140	0.1860	0.8140	0.6172	0.6157
segment	0.9610	0.0111	0.9610	0.9545	0.0594
segmentO	0.9870	0.0130	0.9870	0.9463	0.0533

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9748	0.0252	0.9748	0.8437	0.0852
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.7812	0.0398	0.7812	0.7593	0.1446
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8759	0.1241	0.8759	0.3209	0.4062
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.7987	0.0728
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9641	0.0359	0.9641	0.8943	0.2923
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7266	0.0911	0.7266	0.6457	0.1948
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9065	0.0935	0.9065	0.8006	0.3906
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7143	0.2857	0.7143	0.2045	0.8349
spectrometer	0.6158	0.0166	0.6036	0.5843	0.0956
splice-EI	0.9369	0.0631	0.9369	0.8382	0.3796
splice-IE	0.7634	0.2366	0.7634	0.0000	0.3888
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	0.6000	0.2667	0.6000	0.4118	0.3599
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8550	0.0967	0.8550	0.7630	0.2864
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.7333	0.2667	0.7333	0.3091	0.6210
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8173	0.4208
studentap	0.5385	0.3077	0.5385	0.2909	0.5610
student-weekend	0.4154	0.2338	0.4154	0.1169	0.4138
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7704	0.2296	0.7704	0.5321	0.7046
swarm_aligned	0.9983	0.0017	0.9983	0.9961	0.0215
swarm_flocking	0.9954	0.0046	0.9954	0.9908	0.0394
swarm_grouped	0.9996	0.0004	0.9996	0.9991	0.0038
tae	0.4667	0.3556	0.4667	0.2000	0.5978
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.9273	0.0132	0.9273	0.9198	0.0845
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.7895	0.2105	0.7895	0.4627	0.5688
tis	0.8915	0.1085	0.8915	0.6815	0.4515
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5300	0.3697
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5026	0.4928	0.5022	0.0000	0.5407
transfusion	0.7467	0.2533	0.7467	-0.0259	0.6170
trec11-wc	0.8537	0.0325	0.8537	0.8204	0.1611
trec12-wc	0.8387	0.0403	0.8387	0.8063	0.1289

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7505	0.2626
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0240
trec41-wc	0.9318	0.0136	0.9318	0.9169	0.1054
trec45-wc	0.9130	0.0174	0.9130	0.8982	0.0721
tuandromd	0.9686	0.0314	0.9686	0.9034	0.2563
turkish	0.7000	0.1500	0.7000	0.6000	0.3529
tvnews	0.8526	0.1474	0.8526	0.6659	0.5138
urban	0.7761	0.0498	0.7761	0.7361	0.2000
vehicle	0.7262	0.1369	0.7262	0.6349	0.2447
vehicleVAN	0.9524	0.0476	0.9524	0.8689	0.2600
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.4646	0.0973	0.4646	0.4111	0.2770
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.7308	0.0269	0.7308	0.6938	0.1652
warpar10p	0.6923	0.0615	0.6923	0.6533	0.1090
warppie10p	0.9048	0.0190	0.9048	0.8942	0.0496
watch-acc10%	0.6968	0.0866	0.6968	0.6448	0.3313
watch-gyr10%	0.7074	0.0836	0.7074	0.6576	0.2954
waveform	0.7740	0.1507	0.7740	0.6610	0.4672
web-phishing	0.8370	0.1086	0.8370	0.6916	0.2903
weight-lift	0.5664	0.1735	0.5664	0.4336	0.4674
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9650	0.0175	0.9650	0.9533	0.0590
wilt	0.9503	0.0497	0.9503	0.0000	0.1349
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.5535	0.1488	0.5535	0.2436	0.3328
winequality-white	0.4949	0.1443	0.4949	0.1155	0.3193
winnipeg	0.9663	0.0096	0.9663	0.9574	0.0702
yale	0.5625	0.0583	0.5625	0.5333	0.0869
yeast	0.6014	0.0797	0.6014	0.4838	0.3432
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.8720	0.0256	0.8720	0.8565	0.1768
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 90: Detailed results for RobustLogit

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1511	0.0585	0.1511	0.0616	0.5010
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9856	0.0144	0.9856	0.3732	0.2364
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	0.1477	0.7218
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.4054	0.5946	0.4054	0.0000	0.5250
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.0000	0.4000	0.0000	-0.2884	0.3277
antivirus	0.1892	0.8108	0.1892	0.0000	0.3767
anuran-family	0.9875	0.0063	0.9875	0.9761	0.0330
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9930	0.0017	0.9930	0.9886	0.0552
anuran-species	0.9917	0.0017	0.9917	0.9884	0.0130
aps-failure	0.9692	0.0079	1.0000	0.7794	0.3152
arcene	0.6000	0.4000	0.6000	0.0000	0.5000
arrhythmia	0.0667	0.1436	0.0667	0.0000	0.2696
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6522	0.0290	0.6522	0.5938	0.0886
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	0.3636	0.6364	0.3636	0.0000	0.5131
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	0.5172	0.4828	0.5172	0.0000	0.5257
autos	0.1500	0.2833	0.1500	0.0000	0.3534
avila	0.9986	0.0002	0.9986	0.9981	0.0074
balance	0.8065	0.1290	0.8065	0.6682	0.4304
bank	0.8929	0.0880	0.9070	0.5260	0.5772
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.9032	0.0968	0.9032	0.7851	0.4105
basehock	0.4975	0.5025	0.4975	0.0000	0.5286
bio	0.9979	0.0021	0.9979	0.8681	0.1088
biodeg	0.6095	0.3905	0.6095	0.2914	0.6853
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9850	0.0000	1.0000	0.1511	0.3256
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.6071	0.3929	0.6071	-0.1846	0.9542
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.0000	0.2857	0.0000	-0.0526	0.3371
bub10at310k-hg16-17	0.9220	0.0780	0.9220	0.3577	0.4916
bze_3d_rdkit_descriptors	0.2195	0.7805	0.2195	0.0000	0.4121
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.6087	0.3913	0.6087	0.0890	0.6515
cardiotocography	0.8920	0.0216	0.8920	0.8707	0.1221
cardiotocography-nsp	0.9484	0.0344	0.9484	0.8557	0.2210
cargo2k	0.3350	0.4433	0.3350	0.0000	0.4162
cars	0.8250	0.1167	0.8250	0.6744	0.3635
cas_N6512_cdk_ECFP2	0.4608	0.5392	0.4608	0.0000	0.5307
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9592	0.0464	0.9673	0.4274	0.3706
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.8837	0.1163	0.8837	-0.0386	0.6787
chemo_fontaine	0.3721	0.6279	0.3721	0.0000	0.5161
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9998	0.0002	0.9998	0.8689	0.2203
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.6364	0.3636	0.6364	0.0000	0.4822
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.6364	0.3636	0.6364	0.0000	0.4822
ci900367j_MACCS	0.3789	0.6211	0.3789	0.0000	0.5183
cirrhosis	0.8571	0.0952	0.8571	0.7097	0.2538
cjs	0.1250	0.2917	0.1250	0.0000	0.4017
ckd	0.3500	0.6500	0.3500	0.0000	0.5077
clave	0.0000	0.5000	0.0000	-0.6626	0.4903
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.9200	0.0800	0.9200	0.3103	0.1938
cmc	0.5374	0.3084	0.5374	0.2844	0.7160
cnae-9	0.1111	0.1975	0.1111	0.0000	0.4033
codon_usage	0.9478	0.0095	0.9478	0.9365	0.0797
coil20	0.0486	0.0951	0.0486	0.0000	0.4166
collins	0.0800	0.1227	0.0800	0.0000	0.3886
colon-tumor	0.5000	0.5000	0.5000	0.0000	0.9298
colposcopies-1	0.6897	0.3103	0.6897	0.3290	0.8399
colposcopies-2	0.7241	0.2759	0.7241	0.3446	0.6808
colposcopies-3	0.5517	0.4483	0.5517	0.0407	0.9707
colposcopies-4	0.7931	0.2069	0.7931	0.3256	0.3750

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.9355	0.0645	0.9355	0.8524	0.3445
column-3c	0.8065	0.1290	0.8065	0.6810	0.2682
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.7668	0.2332	0.7668	0.5338	0.7221
coupon	0.5686	0.4314	0.5686	0.0000	0.5122
covtype	0.2881	0.2034	0.2881	0.0338	0.4249
covtypeCD	0.8633	0.1367	0.8633	0.0000	0.2765
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.9631	0.0123	0.9631	0.9239	0.0946
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4205	0.0833
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7451	0.2407	0.7608	0.4710	0.6308
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6923	0.3077	0.6923	-0.1304	0.5140
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.8147	0.1853	0.8147	0.3706	0.6904
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.1892	0.2703	0.1892	0.0177	0.3409
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.3947	0.6053	0.3947	0.0000	0.5226
diabetes	0.5192	0.4808	0.5192	-0.0450	0.9923
diabetic10%	0.5893	0.2736	0.5678	0.1593	0.5263
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.2857	0.5283
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5023	0.4977	0.5023	0.0049	0.9967
dropout	0.7788	0.1475	0.7788	0.6255	0.4238
drug-01	0.3138	0.1960	0.3138	-0.0196	0.5917
drug-02	0.4574	0.1550	0.4574	0.1128	0.7333
drug-03	0.6649	0.0957	0.6649	0.1166	0.3903
drug-04	0.4894	0.1459	0.4894	0.1018	0.7353
drug-05	0.7234	0.0790	0.7234	-0.0160	0.2475
drug-06	0.3617	0.1824	0.3617	0.2067	0.6457
drug-07	0.4043	0.1702	0.4043	0.0320	0.4700
drug-08	0.5372	0.1322	0.5372	0.1934	0.5849
drug-09	0.8670	0.0380	0.8670	0.0617	0.2179
drug-10	0.5213	0.1368	0.5213	0.1724	0.6102
drug-11	0.8298	0.0486	0.8298	0.0719	0.5718
drug-12	0.7819	0.0623	0.7819	0.0724	0.4219
drug-13	0.6064	0.1125	0.6064	0.2512	0.4324
drug-14	0.5691	0.1231	0.5691	0.2639	0.5880
drug-15	0.7447	0.0729	0.7447	0.1711	0.6332
drug-16	0.5585	0.1261	0.5585	0.2591	0.5060
drug-17	0.3511	0.1854	0.3511	0.1356	0.7024
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	0.1021	0.4745
drybean	0.9302	0.0199	0.9302	0.9155	0.1093
ecoli	0.7647	0.0588	0.7647	0.6695	0.1715
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8197	0.1808
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.6069	0.0491	0.6069	0.5626	0.4305
eeg-eye	0.9613	0.0387	0.9613	0.9215	0.2143
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.3846	0.6154	0.3846	0.0000	0.5200
er_tox_cdk_ECFP2	0.6500	0.3500	0.6500	0.0000	0.4745
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.4516	0.5484	0.4516	0.0000	0.5305
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5285	0.6344
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7339	0.1059	0.7221	0.6803	0.3067
euthyroid	0.9019	0.0981	0.9019	0.0000	0.2206
exon.vs.intron-freq	0.5269	0.4731	0.5269	0.0000	0.5238
fbis-wc	0.2602	0.0870	0.2602	0.0990	0.4114
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3000	0.1750	0.3000	0.0000	0.3283
fontaine_MACCS	0.3636	0.6364	0.3636	0.0000	0.5131
fonts10%	0.5254	0.0059	0.5244	0.5050	0.5565
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9942	0.0019	0.9942	0.9930	0.0141
gastrointestinal	0.3125	0.4583	0.3125	0.0000	0.3907
gender	0.5768	0.2821	0.5768	0.1239	0.6029
gene	0.9495	0.0336	0.9495	0.9194	0.1721
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.4899	0.5101	0.4899	0.0000	0.5294
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	1.0000	0.0000	1.0000	1.0000	0.0000
glioma-grade	0.6548	0.3452	0.6548	0.1944	0.4865
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.4629	0.2662	0.4633	0.2805	0.5761
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.9826	0.0029	0.9826	0.9795	0.0186
har70	0.9350	0.0186	0.9350	0.9032	0.1674
harth10%	0.8478	0.0256	0.8328	0.7956	0.2118
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.0000	0.5049
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.4667	0.5333	0.4667	-0.1321	0.9007
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8713	0.1287	0.8713	0.7426	0.5055
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.7517	0.2483	0.7517	0.5010	0.7478
higher	0.3571	0.1607	0.3571	0.2410	0.2752
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.3056	0.4630	0.3056	0.0000	0.3816
htru2	0.9788	0.0212	0.9788	0.8674	0.2355
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0000
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9257	0.0743	0.9257	0.0619	0.1815
ilpd	0.6949	0.3051	0.6949	0.2293	0.8610
immuno-therapy	0.5556	0.4444	0.5556	-0.2857	0.9011
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.4400	0.5600	0.4400	-0.2069	1.0000
isolet	0.9358	0.0049	0.9358	0.9332	0.0578
jm1	0.8090	0.1910	0.8090	0.2767	0.7380
fvowels	0.9940	0.0013	0.9940	0.9932	0.0116
kc1	0.8436	0.1564	0.8436	0.2940	0.7035
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.0506
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3824	0.7363
kidney-disease	0.9810	0.0000	0.9937	0.9826	0.0000
krkopt	0.9479	0.0058	0.9479	0.9419	0.0740
krvskp	0.5235	0.4765	0.5235	0.0000	0.5245
la1s-wc	0.2984	0.2339	0.2984	0.0000	0.3659
la2s-wc	0.1060	0.2980	0.1060	0.0000	0.3913
labor	0.6667	0.3333	0.6667	0.4000	0.5283
leaf	0.7059	0.0147	0.7059	0.6917	0.0570
led24	0.0000	0.2000	0.0000	-0.1236	0.3686
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9720	0.0022	0.9720	0.9709	0.0336
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.4286	0.5714	0.4286	0.0000	0.5288
libra	0.8056	0.0259	0.8056	0.7914	0.0673
linkage10%	0.9765	0.0001	0.9843	0.9797	0.0212
liver	0.6765	0.3235	0.6765	0.2780	0.8579
localization	0.7039	0.0502	0.7290	0.6428	0.3578
lrs	0.8679	0.0264	0.8679	0.8165	0.0850
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.5714	0.2143	0.5714	0.0000	0.2456
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.7538	0.2462	0.7538	0.5077	0.6580
magic04	0.8869	0.1131	0.8869	0.7466	0.4736

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.4062	0.5938	0.4062	-0.1574	1.0000
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.8515	0.0990	0.8515	0.7747	0.3494
messidor	0.7217	0.2783	0.7217	0.4232	0.7872
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0383
mfeat-fou	0.8450	0.0310	0.8450	0.8278	0.1367
mfeat-kar	0.9800	0.0040	0.9800	0.9778	0.0253
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2165
mfeat-pix	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-zer	0.7450	0.0510	0.7450	0.7167	0.1778
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5565	0.3964
mobile	0.8986	0.0036	0.8986	0.8968	0.0482
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.4822	0.5178	0.4822	0.0000	0.5301
musk	0.9864	0.0136	0.9864	0.9459	0.0557
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.5652	0.4348	0.5652	0.1317	0.9534
mutagens_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
MUT_ci034254q_MACCS	0.5410	0.4590	0.5410	0.0000	0.5205
MUT_ci300400a	0.5827	0.4173	0.5827	0.0467	0.7704
MUT_ci300400a_cdk_ECFP2	0.4173	0.5827	0.4173	0.0000	0.5272
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.4988	0.5012	0.4988	0.0000	0.5285
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.8915	0.0093	0.8958	0.7409	0.4355
newspop	0.6642	0.3358	0.6642	0.3226	0.8643
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7304	0.2696	0.7304	0.0896	0.5057
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0628	0.8110
nursery	0.3295	0.2682	0.3295	0.0000	0.2976
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0810
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.1089	0.1782	0.1089	0.0299	0.4228
oh10-wc	0.1048	0.1790	0.1048	-0.0101	0.4654
oh15-wc	0.0870	0.1826	0.0870	-0.0070	0.4384
oh5-wc	0.1319	0.1736	0.1319	0.0000	0.3931
opn310k	0.9228	0.0772	0.9228	0.3574	0.4762
opnat310k-hg16-17	0.9256	0.0744	0.9256	0.3825	0.4516
optdigits	0.1050	0.1790	0.1050	0.0000	0.3947
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9057	0.1120

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.9477	0.0523	0.9477	0.8711	0.3149
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.3567	0.6383
pcmac	0.5670	0.4330	0.5670	-0.0225	0.7420
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.2353	0.2185	0.2353	0.0000	0.3686
pendigits	0.9945	0.0011	0.9945	0.9939	0.0103
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.3402	0.6598	0.3402	0.0000	0.5033
P-Glycoprotein_b_Substrate	0.5000	0.5000	0.5000	0.0000	0.5283
P-Glycoprotein_c_RDkit_AtomPair_FP	0.4683	0.5317	0.4683	0.0000	0.5307
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.4500	0.5500	0.4500	-0.2222	1.0000
phishing	0.6082	0.3918	0.6082	0.0000	0.4963
phoneme	0.9259	0.0741	0.9259	0.8139	0.3765
phy	0.6532	0.3610	0.6367	0.3014	0.8751
pima	0.7237	0.2763	0.7237	0.3899	0.7718
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.0002	0.2000	0.0002	-0.0000	0.2266
polish-1st	0.9772	0.0228	0.9772	0.6083	0.2770
polish-2nd	0.9646	0.0354	0.9646	0.4027	0.4889
polish-3rd	0.9590	0.0410	0.9590	0.3768	0.4327
polish-4th	0.9633	0.0367	0.9633	0.5631	0.4289
polish-5th	0.9645	0.0355	0.9645	0.6937	0.3803
polya	0.8022	0.1978	0.8022	0.5543	0.6683
popularity	0.6787	0.2142	0.6787	0.2657	0.4746
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9982	0.0007	0.9982	0.9978	0.0062
pred-tox_mutagen_ref-desc	0.7059	0.2941	0.7059	0.4118	0.8134
primary-tumor	0.1212	0.0799	0.1212	0.0654	0.2666
profb	0.7582	0.2488	0.7634	0.4379	0.7575
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9975	0.0010	0.9975	0.9967	0.0100
pufs-6410%	0.4964	0.5036	0.4964	-0.0072	1.0000
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.1467	0.1313	0.1467	0.0000	0.3029
re1-wc	0.0241	0.0781	0.0241	-0.1413	0.3775
rejafada	0.0352	0.9648	0.0352	0.0000	0.0946
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5902	0.4078	0.6005	0.0000	0.4971
RT_IOT2022	0.9723	0.0007	1.0000	0.9829	0.0057
satimage	0.9176	0.0275	0.9176	0.8983	0.1348
satimageF	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT	0.9502	0.0498	0.9502	0.6614	0.2456
scadi	0.1429	0.2449	0.1429	0.0000	0.3180
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.5548	0.4452	0.5548	0.0000	0.5166
segment	0.9697	0.0087	0.9697	0.9646	0.0398
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9991	0.0002	0.9991	0.9991	0.0020
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8467	0.1533	0.8467	0.0089	0.2982
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9991	0.0072
smk_can_187	0.5263	0.4737	0.5263	0.0656	0.9580
solar-flare	0.0863	0.3046	0.0863	-0.1509	0.5810
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.1324	0.0913	0.1324	0.0074	0.3342
spambase	0.6043	0.3957	0.6043	0.0000	0.4981
spect	0.2222	0.7778	0.2222	0.0000	0.4150
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5849	0.0173	0.5849	0.5612	0.1104
splice-EI	0.9779	0.0221	0.9779	0.9417	0.1787
splice-IE	0.9558	0.0442	0.9558	0.8789	0.3023
sport-articles	0.8200	0.1800	0.8200	0.6095	0.6396
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8821	0.1179	0.8821	0.6600	0.5748
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.5160	0.3227	0.5160	0.0000	0.3699
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8410	0.1590	0.8410	0.6604	0.5952
steel-p	0.9282	0.0718	0.9282	0.4253	0.5579
steel-s	0.9897	0.0103	0.9897	0.8697	0.2729
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.2308	0.5128	0.2308	0.0000	0.4236
student-weekend	0.3846	0.2462	0.3846	0.0148	0.4287
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.8012	0.1988	0.8012	0.5956	0.6511
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	0.5000	0.5000	0.5000	0.0000	0.5283
swarm_grouped	0.6249	0.3751	0.6249	0.0000	0.4882
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9855	0.0026	0.9855	0.9840	0.0224
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.2895	0.7105	0.2895	0.0000	0.4738
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.7390	0.2610	0.7390	0.0147	0.6964
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.1250	0.2917	0.1250	0.0000	0.3260
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.7059	0.2941	0.7059	0.3307	0.8305
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.1398	0.9213
trec11-wc	0.0488	0.2114	0.0488	0.0000	0.3716
trec12-wc	0.0323	0.2419	0.0323	-0.0065	0.4402

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.3810	0.2063	0.3810	-0.0664	0.4191
trec31-wc	0.2473	0.2151	0.2473	0.0018	0.3372
trec41-wc	0.2841	0.1432	0.2841	0.0000	0.3263
trec45-wc	0.0725	0.1855	0.0725	0.0000	0.3800
tuandromd	0.2018	0.7982	0.2018	0.0000	0.3921
turkish	0.7500	0.1250	0.7500	0.6667	0.2919
tvnews	0.5723	0.4277	0.5723	0.1783	0.8660
urban	0.8806	0.0265	0.8806	0.8606	0.1186
vehicle	0.7857	0.1071	0.7857	0.7106	0.1841
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.5859	0.0753	0.5859	0.5444	0.2205
vowelZ	1.0000	0.0000	1.0000	1.0000	0.0000
vrnormat310k-hg16-17	0.9347	0.0653	0.9347	0.5184	0.4727
wap-wc	0.1218	0.0878	0.1218	0.0000	0.3579
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	1.0000	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	1.0000	0.0002	1.0000	0.9806	0.0022
waveform	0.8420	0.1053	0.8420	0.7630	0.3661
web-phishing	0.8815	0.0790	0.8815	0.7892	0.3331
weight-lift	0.9847	0.0010	1.0000	1.0000	0.0085
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9814	0.0186	0.9814	0.7811	0.2593
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7044	0.0985	0.7044	0.5210	0.3381
winequality-white	0.6789	0.0917	0.6789	0.5072	0.3444
winnipeg	0.9989	0.0003	0.9989	0.9986	0.0046
yale	0.5625	0.0583	0.5625	0.5314	0.1082
yeast	0.5405	0.0919	0.5405	0.4002	0.3694
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.9613	0.0077	0.9613	0.9566	0.0647
zoo	0.1000	0.2571	0.1000	-0.0227	0.3088

Table 91: Detailed results for ABCRobustLogit

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1343	0.0597	0.1343	0.0605	0.6182
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9041	0.0959	0.9041	0.1718	0.6407
accelerometer	0.9847	0.0153	0.9847	0.2428	0.0543
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8000	0.2000	0.8000	0.1288	0.7579
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.4054	0.5946	0.4054	0.0000	0.5250
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.0000	0.4000	0.0000	-0.2884	0.3277
antivirus	0.1892	0.8108	0.1892	0.0000	0.3767
anuran-family	0.9889	0.0056	0.9889	0.9788	0.0306
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9930	0.0017	0.9930	0.9886	0.0644
anuran-species	0.9931	0.0014	0.9931	0.9903	0.0084
aps-failure	0.9855	0.0081	0.9747	0.7473	0.3257
arcene	0.6000	0.4000	0.6000	0.0000	0.5000
arrhythmia	0.0667	0.1436	0.0667	0.0047	0.2950
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.6957	0.0254	0.6957	0.6477	0.0728
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	0.3636	0.6364	0.3636	0.0000	0.5131
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	0.5172	0.4828	0.5172	0.0000	0.5257
autos	0.1000	0.3000	0.1000	0.0000	0.3629
avila	0.9990	0.0002	0.9990	0.9988	0.0067
balance	0.8065	0.1290	0.8065	0.6597	0.3414
bank	0.9158	0.0897	0.9122	0.5385	0.6031
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.8733	0.1267	0.8733	0.7282	0.5236
basehock	0.4975	0.5025	0.4975	0.0000	0.5286
bio	0.9978	0.0022	0.9978	0.8633	0.1094
biodeg	0.6000	0.4000	0.6000	0.2588	0.7709
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9751	0.0000	1.0000	0.1546	0.3267
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.6786	0.3214	0.6786	-0.0678	0.7870
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.2000	0.2286	0.2000	0.1111	0.2161
bub10at310k-hg16-17	0.9224	0.0776	0.9224	0.3601	0.4873
bze_3d_rdkit_descriptors	0.2195	0.7805	0.2195	0.0000	0.4121
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.6087	0.3913	0.6087	0.0890	0.6515
cardiotocography	0.8732	0.0254	0.8732	0.8483	0.1566
cardiotocography-nsp	0.9577	0.0282	0.9577	0.8819	0.1830
cargo2k	0.3350	0.4433	0.3350	0.0000	0.4162
cars	0.8000	0.1333	0.8000	0.6355	0.3594
cas_N6512_cdk_ECFP2	0.4608	0.5392	0.4608	0.0000	0.5307
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9618	0.0470	0.9451	0.4272	0.3764
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.8837	0.1163	0.8837	-0.0617	0.6549
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.8953	0.1047	0.8953	-0.0211	0.5656
chemo_fontaine	0.3721	0.6279	0.3721	0.0000	0.5161
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9998	0.0002	0.9998	0.8737	0.1934
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.6364	0.3636	0.6364	0.0000	0.4822
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7357	0.4825
ci200186m_ExtendedFingerprinter	0.6364	0.3636	0.6364	0.0000	0.4822
ci900367j_MACCS	0.3789	0.6211	0.3789	0.0000	0.5183
cirrhosis	0.8095	0.1270	0.8095	0.6156	0.3754
cjs	0.1250	0.2917	0.1250	0.0000	0.4017
ckd	0.3500	0.6500	0.3500	0.0000	0.5077
clave	0.0000	0.5000	0.0000	-0.6626	0.4903
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	0.1892	0.6967
cmc	0.5578	0.2948	0.5578	0.3121	0.6958
cnae-9	0.1111	0.1975	0.1111	0.0000	0.4033
codon_usage	0.9524	0.0087	0.9524	0.9421	0.0795
coil20	0.0486	0.0951	0.0486	0.0000	0.4166
collins	0.0800	0.1227	0.0800	0.0000	0.3886
colon-tumor	0.5000	0.5000	0.5000	0.0000	0.9298
colposcopies-1	0.7241	0.2759	0.7241	0.4171	0.7845
colposcopies-2	0.6897	0.3103	0.6897	0.2770	0.7986
colposcopies-3	0.5517	0.4483	0.5517	0.0407	0.9707
colposcopies-4	0.7931	0.2069	0.7931	0.3256	0.3750

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.7837	0.2163	0.7837	0.5671	0.6922
coupon	0.5686	0.4314	0.5686	0.0000	0.5122
covtype	0.3408	0.1884	0.3408	0.0504	0.3901
covtypeCD	0.8633	0.1367	0.8633	0.0000	0.2765
covtypeT	0.7626	0.2374	0.7626	0.1275	0.5138
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.9631	0.0123	0.9631	0.9243	0.0982
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4205	0.0926
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7669	0.2362	0.7716	0.4893	0.6350
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.6923	0.3077	0.6923	-0.1304	0.5140
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.8120	0.1880	0.8120	0.3680	0.7019
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.1892	0.2703	0.1892	0.0177	0.3409
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.3947	0.6053	0.3947	0.0000	0.5226
diabetes	0.5000	0.5000	0.5000	-0.0764	0.9997
diabetic10%	0.5931	0.2864	0.5815	0.1540	0.5367
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.2857	0.5283
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0149	0.9759
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4740	0.5260	0.4740	-0.0113	0.8584
dropout	0.7788	0.1475	0.7788	0.6274	0.4406
drug-01	0.3085	0.1976	0.3085	0.0155	0.7747
drug-02	0.4628	0.1535	0.4628	0.1513	0.7467
drug-03	0.6489	0.1003	0.6489	0.1219	0.5812
drug-04	0.4840	0.1474	0.4840	0.1120	0.7713
drug-05	0.7234	0.0790	0.7234	-0.0143	0.2970
drug-06	0.3511	0.1854	0.3511	0.1903	0.6323
drug-07	0.4202	0.1657	0.4202	0.0765	0.5065
drug-08	0.5426	0.1307	0.5426	0.2202	0.6694
drug-09	0.8670	0.0380	0.8670	0.1162	0.2373
drug-10	0.5000	0.1429	0.5000	0.1660	0.7139
drug-11	0.8245	0.0502	0.8245	0.0185	0.4561
drug-12	0.7819	0.0623	0.7819	0.0693	0.3396
drug-13	0.6064	0.1125	0.6064	0.2612	0.4505
drug-14	0.5745	0.1216	0.5745	0.2982	0.6429
drug-15	0.7553	0.0699	0.7553	0.1845	0.5817
drug-16	0.5372	0.1322	0.5372	0.2463	0.6288
drug-17	0.3404	0.1885	0.3404	0.1345	0.7499
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7340	0.0760	0.7340	0.1018	0.4998
drybean	0.9324	0.0193	0.9324	0.9182	0.1092
ecoli	0.7647	0.0588	0.7647	0.6723	0.1343
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8197	0.1808
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.6130	0.0484	0.6130	0.5715	0.4819
eeg-eye	0.9626	0.0374	0.9626	0.9242	0.2071
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.3846	0.6154	0.3846	0.0000	0.5200
er_tox_cdk_ECFP2	0.6500	0.3500	0.6500	0.0000	0.4745
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.4516	0.5484	0.4516	0.0000	0.5305
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.3665	0.7075
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7246	0.1056	0.7397	0.6621	0.3183
euthyroid	0.9019	0.0981	0.9019	0.0000	0.2206
exon.vs.intron-freq	0.5269	0.4731	0.5269	0.0000	0.5238
fbis-wc	0.2033	0.0937	0.2033	0.0038	0.4082
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3000	0.1750	0.3000	0.0000	0.3283
fontaine_MACCS	0.3636	0.6364	0.3636	0.0000	0.5131
fonts10%	0.5413	0.0061	0.5489	0.5030	0.5525
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9950	0.0017	0.9950	0.9939	0.0122
gastrointestinal	0.3125	0.4583	0.3125	0.0000	0.3907
gender	0.5747	0.2835	0.5747	0.1166	0.6139
gene	0.9432	0.0379	0.9432	0.9092	0.1835
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.4899	0.5101	0.4899	0.0000	0.5294
glass	0.6667	0.1111	0.6667	0.5421	0.3435
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.6548	0.3452	0.6548	0.1944	0.4865
green	0.9000	0.1000	0.9000	0.7368	0.2605
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.4647	0.2666	0.4740	0.2830	0.5735
haberman	0.6667	0.3333	0.6667	0.1477	0.8809
hapt	0.9844	0.0026	0.9844	0.9816	0.0185
har70	0.9355	0.0184	0.9355	0.9040	0.1963
harth10%	0.8578	0.0258	0.8344	0.8023	0.2071
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.0000	0.5049
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.4667	0.5333	0.4667	-0.1321	0.9007
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8666	0.1334	0.8666	0.7332	0.5186
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.7497	0.2503	0.7497	0.4968	0.7510
higher	0.3571	0.1607	0.3571	0.2364	0.2396
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.2500	0.5000	0.2500	-0.1970	0.6103
htru2	0.9771	0.0229	0.9771	0.8581	0.2638
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0000
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9257	0.0743	0.9257	0.0619	0.1815
ilpd	0.6610	0.3390	0.6610	0.1437	0.8942
immuno-therapy	0.5556	0.4444	0.5556	-0.2857	0.9011
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.4400	0.5600	0.4400	-0.2069	1.0000
isolet	0.8603	0.0100	0.8740	0.8703	0.1077
jm1	0.8118	0.1882	0.8118	0.2794	0.7288
fvowels	0.9940	0.0013	0.9940	0.9932	0.0119
kc1	0.8389	0.1611	0.8389	0.3576	0.7193
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.0175	0.2244
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.3440	0.7669
kidney-disease	1.0000	0.0000	0.9783	1.0000	0.0000
krkopt	0.9462	0.0060	0.9462	0.9399	0.0758
krvskp	0.5235	0.4765	0.5235	0.0000	0.5245
la1s-wc	0.0952	0.3016	0.0952	0.0000	0.3956
la2s-wc	0.1060	0.2980	0.1060	0.0000	0.3913
labor	0.6667	0.3333	0.6667	0.4000	0.5283
leaf	0.6765	0.0162	0.6765	0.6625	0.0557
led24	0.1000	0.1800	0.1000	0.0000	0.3017
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9680	0.0025	0.9680	0.9667	0.0386
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.4286	0.5714	0.4286	0.0000	0.5288
libra	0.7778	0.0296	0.7778	0.7618	0.0816
linkage10%	1.0000	0.0001	1.0000	0.9708	0.0209
liver	0.7353	0.2647	0.7353	0.3806	0.7996
localization	0.7139	0.0509	0.7247	0.6432	0.3526
lrs	0.8491	0.0302	0.8491	0.7895	0.1052
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.5714	0.2143	0.5714	0.0000	0.2456
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.5923	0.4077	0.5923	0.1846	0.8451
magic04	0.8895	0.1105	0.8895	0.7517	0.4616

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.4062	0.5938	0.4062	-0.1574	1.0000
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.8218	0.1188	0.8218	0.7298	0.3865
messidor	0.7391	0.2609	0.7391	0.4567	0.7533
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9850	0.0030	0.9850	0.9833	0.0165
mfeat-fou	0.8500	0.0300	0.8500	0.8333	0.1234
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0381
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2250
mfeat-pix	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-zer	0.8200	0.0360	0.8200	0.8000	0.1028
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5575	0.3846
mobile	0.8811	0.0042	0.8811	0.8789	0.0553
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.4822	0.5178	0.4822	0.0000	0.5301
musk	0.9848	0.0152	0.9848	0.9406	0.1178
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.5652	0.4348	0.5652	0.1317	0.9534
mutagens_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
MUT_ci034254q_MACCS	0.5410	0.4590	0.5410	0.0000	0.5205
MUT_ci300400a	0.5689	0.4311	0.5689	0.1239	0.9522
MUT_ci300400a_cdk_ECFP2	0.4173	0.5827	0.4173	0.0000	0.5272
myocardial	0.3235	0.1691	0.3235	0.0492	0.1707
naticusdroid	0.4988	0.5012	0.4988	0.0000	0.5285
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.9332	0.0093	0.9067	0.7444	0.4393
newspop	0.6632	0.3368	0.6632	0.3214	0.8660
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7281	0.2719	0.7281	0.0685	0.4400
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0224	0.8076
nursery	0.3295	0.2682	0.3295	0.0000	0.2976
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0836
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.1386	0.1723	0.1386	-0.0064	0.4614
oh10-wc	0.1524	0.1695	0.1524	-0.0080	0.4505
oh15-wc	0.0543	0.1891	0.0543	0.0000	0.4046
oh5-wc	0.1319	0.1736	0.1319	0.0000	0.3931
opn310k	0.9216	0.0784	0.9216	0.3509	0.4921
opnat310k-hg16-17	0.9268	0.0732	0.9268	0.3971	0.4464
optdigits	0.1655	0.1669	0.1655	0.0613	0.3678
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.8500	0.0075	0.8500	0.8462	0.0268
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr	0.9170	0.0830	0.9170	0.2808	0.6346
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8695	0.1225

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.9484	0.0516	0.9484	0.8731	0.3136
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.5169	0.6029
pcmac	0.4175	0.5825	0.4175	0.0000	0.5272
pd	0.9737	0.0263	0.9737	0.9273	0.1010
pediatric-leukemia	0.2353	0.2185	0.2353	0.0000	0.3686
pendigits	0.9945	0.0011	0.9945	0.9939	0.0103
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.3402	0.6598	0.3402	0.0000	0.5033
P-Glycoprotein_b_Substrate	0.5000	0.5000	0.5000	0.0000	0.5283
P-Glycoprotein_c_RDkit_AtomPair_FP	0.4683	0.5317	0.4683	0.0000	0.5307
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.4000	0.6000	0.4000	0.0000	0.5239
phishing	0.6082	0.3918	0.6082	0.0000	0.4963
phoneme	0.9296	0.0704	0.9296	0.8301	0.3882
phy	0.6490	0.3481	0.6519	0.2908	0.8837
pima	0.7237	0.2763	0.7237	0.3824	0.7533
plx	0.5556	0.4444	0.5556	-0.2632	0.9745
poker	0.0002	0.2000	0.0002	-0.0000	0.2266
polish-1st	0.9744	0.0256	0.9744	0.6120	0.4353
polish-2nd	0.9528	0.0472	0.9528	0.2904	0.6005
polish-3rd	0.9514	0.0486	0.9514	0.3466	0.5636
polish-4th	0.9500	0.0500	0.9500	0.5069	0.5741
polish-5th	0.9611	0.0389	0.9611	0.6806	0.4418
polya	0.8011	0.1989	0.8011	0.5540	0.6737
popularity	0.6837	0.2108	0.6837	0.2740	0.4629
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9985	0.0006	0.9985	0.9981	0.0054
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.0909	0.0826	0.0909	0.0535	0.2316
profb	0.7491	0.2595	0.7305	0.4339	0.7612
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9977	0.0009	0.9977	0.9969	0.0085
pufs-6410%	0.5061	0.4939	0.5061	0.0122	0.9965
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.4000	0.0923	0.4000	0.0000	0.2839
re1-wc	0.0301	0.0776	0.0301	-0.1154	0.4165
rejafada	0.0352	0.9648	0.0352	0.0000	0.0946
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	1.0000	0.0000	1.0000	0.9792	0.0000
rocket	0.6065	0.4039	0.5995	0.0000	0.4927
RT_IOT2022	0.9910	0.0007	1.0000	0.9930	0.0058
satimage	0.9191	0.0270	0.9191	0.9003	0.1413
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9502	0.0498	0.9502	0.6725	0.3065
scadi	0.1429	0.2449	0.1429	0.0000	0.3180
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.4452	0.5548	0.4452	0.0000	0.5302
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8316	0.1684	0.8316	0.0939	0.7611
sens-2-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9993	0.0001	0.9993	0.9992	0.0016
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8467	0.1533	0.8467	0.0089	0.2982
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9894	0.0106	0.9894	0.9074	0.0422
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9991	0.0072
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.2230	0.2590	0.2230	-0.0225	0.4915
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.1176	0.0929	0.1176	-0.0129	0.3840
spambase	0.6043	0.3957	0.6043	0.0000	0.4981
spect	0.2222	0.7778	0.2222	0.0000	0.4150
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6038	0.0165	0.6038	0.5819	0.1046
splice-EI	0.9748	0.0252	0.9748	0.9342	0.2081
splice-IE	0.9558	0.0442	0.9558	0.8766	0.2850
sport-articles	0.8500	0.1500	0.8500	0.6764	0.5756
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8256	0.1744	0.8256	0.5407	0.6575
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.5771	0.2820	0.5771	0.2287	0.4462
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8205	0.1795	0.8205	0.6289	0.6052
steel-p	0.9179	0.0821	0.9179	0.3432	0.6100
steel-s	0.9897	0.0103	0.9897	0.8697	0.2729
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.2308	0.5128	0.2308	0.0000	0.4236
student-weekend	0.3692	0.2523	0.3692	0.0071	0.4738
student-workday	0.2188	0.3125	0.2188	0.0157	0.3908
susy10%	0.7941	0.2059	0.7941	0.5817	0.6673
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	0.5000	0.5000	0.5000	0.0000	0.5283
swarm_grouped	0.6249	0.3751	0.6249	0.0000	0.4882
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9891	0.0020	0.9891	0.9880	0.0174
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.2895	0.7105	0.2895	0.0000	0.4738
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.7001	0.2999	0.7001	0.1171	0.8723
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.1250	0.2917	0.1250	0.0000	0.3260
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.7059	0.2941	0.7059	0.3307	0.8305
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.1076	0.9215
trec11-wc	0.0488	0.2114	0.0488	0.0000	0.3716
trec12-wc	0.0323	0.2419	0.0323	0.0000	0.4021

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.0476	0.3175	0.0476	0.0000	0.3944
trec31-wc	0.2473	0.2151	0.2473	0.0000	0.3174
trec41-wc	0.2841	0.1432	0.2841	0.0000	0.3263
trec45-wc	0.0725	0.1855	0.0725	0.0000	0.3800
tuandromd	0.2018	0.7982	0.2018	0.0000	0.3921
turkish	0.7250	0.1375	0.7250	0.6333	0.3010
tvnews	0.6570	0.3430	0.6570	0.2338	0.8860
urban	0.8806	0.0265	0.8806	0.8607	0.1217
vehicle	0.7619	0.1190	0.7619	0.6793	0.2078
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6566	0.0624	0.6566	0.6222	0.2074
vowelZ	1.0000	0.0000	1.0000	1.0000	0.0000
vrnormat310k-hg16-17	0.9340	0.0660	0.9340	0.5088	0.4727
wap-wc	0.1154	0.0885	0.1154	-0.0014	0.3588
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9930	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	0.9769	0.0002	0.9804	1.0000	0.0022
waveform	0.8460	0.1027	0.8460	0.7690	0.3588
web-phishing	0.8593	0.0938	0.8593	0.7522	0.3972
weight-lift	1.0000	0.0010	0.9911	0.9742	0.0083
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6918	0.1027	0.6918	0.5050	0.4248
winequality-white	0.6810	0.0911	0.6810	0.5167	0.3941
winnipeg	0.9990	0.0003	0.9990	0.9988	0.0064
yale	0.7500	0.0333	0.7500	0.7322	0.0665
yeast	0.5338	0.0932	0.5338	0.4021	0.4523
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.9624	0.0075	0.9624	0.9578	0.0636
zoo	0.1000	0.2571	0.1000	-0.0227	0.3088

Table 92: Detailed results for Mart

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1535	0.0584	0.1535	0.0680	0.5430
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9866	0.0134	0.9866	0.4502	0.2632
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.2872	0.7333
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.0000	0.5023
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8889	0.0741	0.8889	0.1398	0.1423
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.5393	0.1843	0.5393	-0.1482	0.3606
antivirus	0.1892	0.8108	0.1892	0.0000	0.3767
anuran-family	0.9903	0.0049	0.9903	0.9814	0.0251
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9764	0.0059	0.9764	0.9610	0.0771
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0260
aps-failure	1.0000	0.0079	0.9892	0.7448	0.3227
arcene	0.6000	0.4000	0.6000	0.0000	0.5000
arrhythmia	0.0667	0.1436	0.0667	0.0000	0.2696
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6957	0.0254	0.6957	0.6446	0.0873
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	0.3636	0.6364	0.3636	0.0000	0.5131
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	0.5172	0.4828	0.5172	0.0000	0.5257
autos	0.1500	0.2833	0.1500	0.0000	0.3534
avila	0.9971	0.0005	0.9971	0.9963	0.0122
balance	0.8065	0.1290	0.8065	0.6643	0.4630
bank	0.9054	0.0880	0.9026	0.5185	0.6035
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.8963	0.1037	0.8963	0.7674	0.4126
basehock	0.4975	0.5025	0.4975	0.0000	0.5286
bio	0.9978	0.0022	0.9978	0.8622	0.0906
biodeg	0.6286	0.3714	0.6286	0.2010	0.9106
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9837	0.0000	1.0000	0.1535	0.3251
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.6071	0.3929	0.6071	-0.1846	0.9542
breast-cancer-co	0.7273	0.2727	0.7273	0.4590	0.7617
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.0000	0.2857	0.0000	-0.0638	0.2922
bub10at310k-hg16-17	0.9230	0.0770	0.9230	0.3784	0.4993
bze_3d_rdkit_descriptors	0.2195	0.7805	0.2195	0.0000	0.4121
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.6087	0.3913	0.6087	0.0890	0.6515
cardiotocography	0.8639	0.0272	0.8639	0.8365	0.1494
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8220	0.1556
cargo2k	0.3350	0.4433	0.3350	0.0000	0.4162
cars	0.8250	0.1167	0.8250	0.6868	0.3848
cas_N6512_cdk_ECFP2	0.4608	0.5392	0.4608	0.0000	0.5307
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9485	0.0457	0.9446	0.4354	0.3750
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9186	0.0814	0.9186	-0.0203	0.5749
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.8605	0.1395	0.8605	-0.0661	0.7444
chemo_fontaine	0.3721	0.6279	0.3721	0.0000	0.5161
Choi_MACCS	0.2500	0.7500	0.2500	0.0000	0.4422
chrom19	0.9998	0.0002	0.9998	0.8725	0.2198
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.6364	0.3636	0.6364	0.0000	0.4822
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.6364	0.3636	0.6364	0.0000	0.4822
ci900367j_MACCS	0.3789	0.6211	0.3789	0.0000	0.5183
cirrhosis	0.8095	0.1270	0.8095	0.6225	0.4042
cjs	0.1250	0.2917	0.1250	0.0000	0.4017
ckd	0.3500	0.6500	0.3500	0.0000	0.5077
clave	0.0000	0.5000	0.0000	-0.6626	0.4903
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8600	0.1400	0.8600	0.1463	0.7265
cmc	0.5034	0.3311	0.5034	0.2261	0.7313
cnae-9	0.1111	0.1975	0.1111	0.0000	0.4033
codon_usage	0.9317	0.0124	0.9317	0.9167	0.1089
coil20	0.0833	0.0917	0.0833	0.0339	0.3806
collins	0.0800	0.1227	0.0800	0.0000	0.3886
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.1256	0.9212
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0201	0.9934
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.9677	0.0323	0.9677	0.9281	0.2092
column-3c	0.7419	0.1720	0.7419	0.5804	0.3096
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.7837	0.2163	0.7837	0.5675	0.6922
coupon	0.5686	0.4314	0.5686	0.0000	0.5122
covtype	0.2207	0.2227	0.2207	0.0304	0.4077
covtypeCD	0.8325	0.1675	0.8325	-0.0205	0.7369
covtypeT	0.9288	0.0712	0.9288	-0.0026	0.2788
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.9585	0.0138	0.9585	0.9144	0.1337
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4217	0.0827
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7717	0.2444	0.7742	0.4891	0.6576
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.8133	0.1867	0.8133	0.3787	0.7026
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.1892	0.2703	0.1892	0.0177	0.3409
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.3947	0.6053	0.3947	0.0000	0.5226
diabetes	0.5192	0.4808	0.5192	-0.0450	0.9923
diabetic10%	0.5907	0.2787	0.5715	0.1548	0.5416
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.2857	0.5283
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6667	0.3333	0.6667	0.2941	0.8617
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4727	0.5273	0.4727	-0.0046	0.7131
dropout	0.7743	0.1505	0.7743	0.6193	0.4490
drug-01	0.3245	0.1930	0.3245	-0.0012	0.6664
drug-02	0.5106	0.1398	0.5106	0.1824	0.5780
drug-03	0.6489	0.1003	0.6489	0.0659	0.4719
drug-04	0.4840	0.1474	0.4840	0.1041	0.6774
drug-05	0.6968	0.0866	0.6968	-0.0513	0.3682
drug-06	0.3511	0.1854	0.3511	0.1931	0.6617
drug-07	0.3830	0.1763	0.3830	0.0108	0.5252
drug-08	0.5266	0.1353	0.5266	0.1529	0.6268
drug-09	0.8564	0.0410	0.8564	0.0430	0.2265
drug-10	0.5106	0.1398	0.5106	0.1302	0.6013
drug-11	0.8298	0.0486	0.8298	0.0022	0.5383
drug-12	0.7660	0.0669	0.7660	-0.0316	0.4461
drug-13	0.6330	0.1049	0.6330	0.3088	0.3908
drug-14	0.5957	0.1155	0.5957	0.3063	0.6154
drug-15	0.7394	0.0745	0.7394	0.1075	0.5708
drug-16	0.5426	0.1307	0.5426	0.2328	0.5760
drug-17	0.3723	0.1793	0.3723	0.1626	0.6975
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7394	0.0745	0.7394	0.1062	0.4814
drybean	0.9280	0.0206	0.9280	0.9129	0.1155
ecoli	0.7647	0.0588	0.7647	0.6679	0.1619
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5984	0.0502	0.5984	0.5525	0.4342
eeg-eye	0.9619	0.0381	0.9619	0.9228	0.2067
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.3846	0.6154	0.3846	0.0000	0.5200
er_tox_cdk_ECFP2	0.6500	0.3500	0.6500	0.0000	0.4745
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6393	0.3607	0.6393	-0.0323	0.6755
er_tox_rdkit_FEATMORGAN	0.4516	0.5484	0.4516	0.0000	0.5305
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6395	0.5945
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7398	0.1030	0.7371	0.6568	0.3159
euthyroid	0.5570	0.4430	0.5570	-0.1054	0.5281
exon.vs.intron-freq	0.5269	0.4731	0.5269	0.0000	0.5238
fbis-wc	0.2480	0.0885	0.2480	0.1100	0.3742
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.3000	0.1750	0.3000	0.0000	0.3283
fontaine_MACCS	0.3636	0.6364	0.3636	0.0000	0.5131
fonts10%	0.5448	0.0060	0.5256	0.5007	0.5667
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9950	0.0017	0.9950	0.9939	0.0129
gastrointestinal	0.3125	0.4583	0.3125	0.0000	0.3907
gender	0.5874	0.2751	0.5874	0.1514	0.6522
gene	0.9432	0.0379	0.9432	0.9087	0.1672
german	0.6400	0.3600	0.6400	-0.0028	0.6963
gina	0.5101	0.4899	0.5101	0.0000	0.5269
glass	0.8095	0.0635	0.8095	0.7358	0.2008
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.3214	0.6786	0.3214	-0.3256	1.0000
green	0.9000	0.1000	0.9000	0.7368	0.2605
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.4673	0.2620	0.4616	0.2721	0.5768
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.9780	0.0037	0.9780	0.9740	0.0222
har70	0.9350	0.0186	0.9350	0.9032	0.1793
harth10%	0.8537	0.0254	0.8582	0.7899	0.2060
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.0000	0.5049
heart	0.8889	0.1111	0.8889	0.7666	0.4543
heart-c	0.5000	0.5000	0.5000	-0.0563	0.8850
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8719	0.1281	0.8719	0.7439	0.5044
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.7522	0.2478	0.7522	0.5020	0.7470
higher	0.3571	0.1607	0.3571	0.2364	0.2658
hinselmann	0.5000	0.5000	0.5000	-0.3158	0.8298
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.3056	0.4630	0.3056	-0.1307	0.6048
htru2	0.9793	0.0207	0.9793	0.8712	0.2334
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0000
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9257	0.0743	0.9257	0.0619	0.1815
ilpd	0.6271	0.3729	0.6271	0.0910	0.9108
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.4200	0.5800	0.4200	-0.1381	1.0000
isolet	0.8664	0.0100	0.8793	0.8476	0.1067
jm1	0.8127	0.1873	0.8127	0.2995	0.7322
fvowels	0.9940	0.0013	0.9940	0.9932	0.0106
kc1	0.8673	0.1327	0.8673	0.3535	0.5873
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	-0.0244	0.0952
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.8077	0.1923	0.8077	0.3824	0.7363
kidney-disease	1.0000	0.0000	1.0000	0.9756	0.0000
krkopt	0.9373	0.0070	0.9373	0.9299	0.0873
krvskp	0.5235	0.4765	0.5235	0.0000	0.5245
la1s-wc	0.2984	0.2339	0.2984	0.0000	0.3659
la2s-wc	0.1060	0.2980	0.1060	0.0000	0.3913
labor	0.6667	0.3333	0.6667	0.4000	0.5283
leaf	0.7353	0.0132	0.7353	0.7231	0.0439
led24	0.1000	0.1800	0.1000	0.0000	0.2760
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9615	0.0030	0.9615	0.9599	0.0448
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.4286	0.5714	0.4286	0.0000	0.5288
libra	0.7778	0.0296	0.7778	0.7616	0.0968
linkage10%	0.9804	0.0001	1.0000	0.9787	0.0211
liver	0.7059	0.2941	0.7059	0.2946	0.8394
localization	0.7311	0.0504	0.7121	0.6433	0.3556
lrs	0.8491	0.0302	0.8491	0.7935	0.1252
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.5714	0.2143	0.5714	0.0000	0.2456
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.8654	0.1346	0.8654	0.7308	0.5240
magic04	0.8901	0.1099	0.8901	0.7537	0.4641

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.4271	0.5729	0.4271	-0.1139	0.9897
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.8614	0.0924	0.8614	0.7893	0.3270
messidor	0.7043	0.2957	0.7043	0.3871	0.8123
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9800	0.0040	0.9800	0.9778	0.0251
mfeat-fou	0.8250	0.0350	0.8250	0.8056	0.1506
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0544
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2118
mfeat-pix	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-zer	0.7150	0.0570	0.7150	0.6833	0.2006
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5948	0.3799
mobile	0.8462	0.0055	0.8462	0.8434	0.0692
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.4822	0.5178	0.4822	0.0000	0.5301
musk	0.9864	0.0136	0.9864	0.9459	0.0557
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.5652	0.4348	0.5652	0.1317	0.9534
mutagens_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
MUT_ci034254q_MACCS	0.5410	0.4590	0.5410	0.0000	0.5205
MUT_ci300400a	0.3997	0.6003	0.3997	-0.0606	0.7811
MUT_ci300400a_cdk_ECFP2	0.4173	0.5827	0.4173	0.0000	0.5272
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.4988	0.5012	0.4988	0.0000	0.5285
nci9	0.1667	0.1852	0.1667	0.0000	0.3342
ncRNA10%	0.8922	0.0094	0.9155	0.7289	0.4371
newspop	0.6637	0.3363	0.6637	0.3217	0.8649
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7263	0.2737	0.7263	0.1016	0.6297
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0336	0.8067
nursery	0.3295	0.2682	0.3295	0.0000	0.2976
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9781	0.0831
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0455
oh0-wc	0.1485	0.1703	0.1485	0.0060	0.4512
oh10-wc	0.1048	0.1790	0.1048	-0.0114	0.4518
oh15-wc	0.1739	0.1652	0.1739	0.0000	0.3842
oh5-wc	0.1319	0.1736	0.1319	0.0008	0.4019
opn310k	0.9241	0.0759	0.9241	0.3750	0.4731
opnat310k-hg16-17	0.9248	0.0752	0.9248	0.3849	0.4719
optdigits	0.1085	0.1783	0.1085	-0.0013	0.3486
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.9000	0.0050	0.9000	0.8974	0.0166
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9249	0.0751	0.9249	0.2635	0.5646
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8971	0.1458

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.9464	0.0536	0.9464	0.8678	0.3194
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.9474	0.0526	0.9474	0.8491	0.1655
pediatric-leukemia	0.2353	0.2185	0.2353	0.0000	0.3686
pendigits	0.9954	0.0009	0.9954	0.9949	0.0088
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.3402	0.6598	0.3402	0.0000	0.5033
P-Glycoprotein_b_Substrate	0.5000	0.5000	0.5000	0.0000	0.5283
P-Glycoprotein_c_RDkit_AtomPair_FP	0.4683	0.5317	0.4683	0.0000	0.5307
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.4500	0.5500	0.4500	-0.2222	1.0000
phishing	0.6082	0.3918	0.6082	0.0000	0.4963
phoneme	0.9259	0.0741	0.9259	0.8169	0.3909
phy	0.6405	0.3549	0.6365	0.3000	0.8889
pima	0.7632	0.2368	0.7632	0.4802	0.7075
plx	0.5000	0.5000	0.5000	-0.3279	0.9705
poker	0.0219	0.1956	0.0219	0.0014	0.2699
polish-1st	0.9787	0.0213	0.9787	0.6561	0.3206
polish-2nd	0.9626	0.0374	0.9626	0.3496	0.5000
polish-3rd	0.9600	0.0400	0.9600	0.3664	0.3821
polish-4th	0.9694	0.0306	0.9694	0.6359	0.3485
polish-5th	0.9611	0.0389	0.9611	0.6559	0.3935
polya	0.8054	0.1946	0.8054	0.5619	0.6621
popularity	0.6797	0.2135	0.6797	0.2676	0.4830
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9971	0.0012	0.9971	0.9963	0.0098
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.9238
primary-tumor	0.1515	0.0771	0.1515	0.0968	0.2167
profb	0.7481	0.2512	0.7395	0.4414	0.7707
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.8571	0.1429	0.8571	0.7200	0.4011
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9975	0.0010	0.9975	0.9967	0.0093
pufs-6410%	0.4997	0.5003	0.4997	-0.0006	1.0000
raisin	0.9111	0.0889	0.9111	0.8222	0.3945
re0-wc	0.4000	0.0923	0.4000	0.0000	0.2839
re1-wc	0.0060	0.0795	0.0060	-0.1284	0.4002
rejafada	0.0352	0.9648	0.0352	0.0000	0.0946
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	0.9928	0.0000	0.9970	1.0000	0.0000
rocket	0.6057	0.4145	0.6029	0.0000	0.5083
RT_IOT2022	1.0000	0.0007	1.0000	0.9881	0.0056
satimage	0.9176	0.0275	0.9176	0.8983	0.1420
satimageF	0.9922	0.0078	0.9922	0.9597	0.1105
satimageT	0.9487	0.0513	0.9487	0.6595	0.3109
scadi	0.1429	0.2449	0.1429	0.0000	0.3547
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.5323	0.4677	0.5323	-0.0343	0.8170
segment	0.9827	0.0049	0.9827	0.9798	0.0230
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8579	0.1421	0.8579	-0.0199	0.5487
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9983	0.0003	0.9983	0.9981	0.0039
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8467	0.1533	0.8467	0.0089	0.2982
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9995	0.0044
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.2950	0.2350	0.2950	0.0728	0.4873
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.0882	0.0960	0.0882	-0.0467	0.3608
spambase	0.6043	0.3957	0.6043	0.0000	0.4981
spect	0.2222	0.7778	0.2222	0.0000	0.4150
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5094	0.0204	0.5094	0.4798	0.1360
splice-EI	0.9811	0.0189	0.9811	0.9498	0.1538
splice-IE	0.9495	0.0505	0.9495	0.8590	0.3148
sport-articles	0.8700	0.1300	0.8700	0.7132	0.5036
squash-stored	0.6000	0.2667	0.6000	0.3750	0.4000
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8923	0.1077	0.8923	0.6728	0.5439
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.5160	0.3227	0.5160	0.0000	0.3699
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8462	0.1538	0.8462	0.6613	0.5918
steel-p	0.9333	0.0667	0.9333	0.4840	0.5404
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.2308	0.5128	0.2308	0.0000	0.4236
student-weekend	0.3846	0.2462	0.3846	0.0000	0.3498
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.8004	0.1996	0.8004	0.5941	0.6526
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	1.0000	0.0004	0.9793	0.9942	0.0046
swarm_grouped	0.6249	0.3751	0.6249	0.0000	0.4882
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9855	0.0026	0.9855	0.9840	0.0218
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.2895	0.7105	0.2895	0.0000	0.4738
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.7360	0.2640	0.7360	0.0175	0.7270
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.1250	0.2917	0.1250	0.0000	0.3260
tox_171	0.8824	0.0588	0.8824	0.8440	0.0951
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	-0.0726	0.9159
trec11-wc	0.0488	0.2114	0.0488	0.0000	0.3716
trec12-wc	0.1290	0.2177	0.1290	0.0141	0.4081

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.3810	0.2063	0.3810	-0.0664	0.4191
trec31-wc	0.2473	0.2151	0.2473	0.0055	0.3382
trec41-wc	0.2841	0.1432	0.2841	0.0000	0.3263
trec45-wc	0.1739	0.1652	0.1739	0.0028	0.3648
tuandromd	0.2018	0.7982	0.2018	0.0000	0.3921
turkish	0.8000	0.1000	0.8000	0.7333	0.2335
tvnews	0.3668	0.6332	0.3668	0.0009	0.5170
urban	0.8507	0.0332	0.8507	0.8253	0.1333
vehicle	0.8095	0.0952	0.8095	0.7439	0.1736
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6061	0.0716	0.6061	0.5667	0.2451
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9319	0.0681	0.9319	0.4890	0.4828
wap-wc	0.0833	0.0917	0.0833	-0.0028	0.3644
warpar10p	0.9231	0.0154	0.9231	0.9133	0.0195
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9867	0.0002	0.9774	0.9977	0.0023
watch-gyr10%	1.0000	0.0002	0.9821	0.9758	0.0022
waveform	0.8560	0.0960	0.8560	0.7840	0.3435
web-phishing	0.8593	0.0938	0.8593	0.7518	0.4019
weight-lift	1.0000	0.0010	0.9928	0.9772	0.0082
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9855	0.0145	0.9855	0.8369	0.2405
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6918	0.1027	0.6918	0.5062	0.4503
winequality-white	0.6708	0.0941	0.6708	0.4978	0.3971
winnipeg	0.9987	0.0004	0.9987	0.9983	0.0053
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.5405	0.0919	0.5405	0.4042	0.4084
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9595	0.0405	0.9595	0.3799	0.5788
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9392	0.0608	0.9392	-0.0215	0.6129
zip	0.9548	0.0090	0.9548	0.9494	0.0742
zoo	0.0000	0.2857	0.0000	-0.0638	0.2540

Table 93: Detailed results for ABCMart

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1559	0.0582	0.1559	0.0820	0.6148
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9041	0.0959	0.9041	0.3159	0.6071
accelerometer	0.9859	0.0141	0.9859	0.4247	0.2982
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8000	0.2000	0.8000	0.2811	0.7689
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.4054	0.5946	0.4054	0.0000	0.5250
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.7079	0.1169	0.7079	0.0000	0.2204
antivirus	0.1892	0.8108	0.1892	0.0000	0.3767
anuran-family	0.9903	0.0049	0.9903	0.9814	0.0278
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9875	0.0031	0.9875	0.9794	0.0519
anuran-species	0.9861	0.0028	0.9861	0.9806	0.0194
aps-failure	0.9799	0.0078	0.9740	0.7640	0.3183
arcene	0.6000	0.4000	0.6000	0.0000	0.5000
arrhythmia	0.0667	0.1436	0.0667	0.0000	0.2696
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.6957	0.0254	0.6957	0.6492	0.0666
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	0.3636	0.6364	0.3636	0.0000	0.5131
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	0.5172	0.4828	0.5172	0.0000	0.5257
autos	0.1000	0.3000	0.1000	0.0000	0.3629
avila	0.9990	0.0002	0.9990	0.9988	0.0067
balance	0.7903	0.1398	0.7903	0.6449	0.4116
bank	0.8900	0.0878	0.9030	0.5324	0.5774
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.9032	0.0968	0.9032	0.7857	0.4157
basehock	0.4975	0.5025	0.4975	0.0000	0.5286
bio	0.9979	0.0021	0.9979	0.8681	0.1088
biodeg	0.5714	0.4286	0.5714	-0.0216	0.9402
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9872	0.0000	1.0000	0.1487	0.3273
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.6071	0.3929	0.6071	-0.1846	0.9542
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.1000	0.2571	0.1000	0.0217	0.2321
bub10at310k-hg16-17	0.9230	0.0770	0.9230	0.3959	0.5186
bze_3d_rdkit_descriptors	0.2195	0.7805	0.2195	0.0000	0.4121
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.6087	0.3913	0.6087	0.0890	0.6515
cardiotocography	0.8732	0.0254	0.8732	0.8484	0.1644
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8653	0.1342
cargo2k	0.3350	0.4433	0.3350	0.0000	0.4162
cars	0.8750	0.0833	0.8750	0.7672	0.2239
cas_N6512_cdk_ECFP2	0.4608	0.5392	0.4608	0.0000	0.5307
cdc_diabetes	0.8424	0.1051	0.8424	0.0056	0.1873
census10%	0.9327	0.0467	0.9536	0.4292	0.3793
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.8953	0.1047	0.8953	-0.0488	0.7037
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.8837	0.1163	0.8837	-0.0386	0.6787
chemo_fontaine	0.3721	0.6279	0.3721	0.0000	0.5161
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9998	0.0002	0.9998	0.8670	0.2364
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.6364	0.3636	0.6364	0.0000	0.4822
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6949	0.5482
ci200186m_ExtendedFingerprinter	0.6364	0.3636	0.6364	0.0000	0.4822
ci900367j_MACCS	0.3789	0.6211	0.3789	0.0000	0.5183
cirrhosis	0.7857	0.1429	0.7857	0.5743	0.3706
cjs	0.1250	0.2917	0.1250	0.0000	0.4017
ckd	0.3500	0.6500	0.3500	0.0000	0.5077
clave	0.0000	0.5000	0.0000	-0.6626	0.4903
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8600	0.1400	0.8600	0.1463	0.7265
cmc	0.5374	0.3084	0.5374	0.2800	0.6982
cnae-9	0.1111	0.1975	0.1111	0.0000	0.4033
codon_usage	0.9470	0.0096	0.9470	0.9356	0.0853
coil20	0.0556	0.0944	0.0556	0.0000	0.4152
collins	0.0800	0.1227	0.0800	0.0000	0.3886
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.2162	0.8800
colposcopies-2	0.7241	0.2759	0.7241	0.3446	0.6808
colposcopies-3	0.5172	0.4828	0.5172	-0.0201	0.9934
colposcopies-4	0.7586	0.2414	0.7586	0.2509	0.6936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.9677	0.0323	0.9677	0.9281	0.2092
column-3c	0.7419	0.1720	0.7419	0.5804	0.3096
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.7716	0.2284	0.7716	0.5432	0.7149
coupon	0.5686	0.4314	0.5686	0.0000	0.5122
covtype	0.2649	0.2100	0.2649	0.0451	0.4346
covtypeCD	0.8325	0.1675	0.8325	-0.0205	0.7369
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.1957	0.8043	0.1957	0.0000	0.3847
crowdsourced	0.9594	0.0135	0.9594	0.9162	0.1071
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4240	0.0744
cyclopentane	0.7407	0.2593	0.7407	0.4615	0.7356
cylinder-bands	0.7433	0.2360	0.7758	0.4827	0.6516
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.8077	0.1923	0.8077	0.3554	0.7139
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.1892	0.2703	0.1892	0.0177	0.3409
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.3947	0.6053	0.3947	0.0000	0.5226
diabetes	0.5000	0.5000	0.5000	-0.0764	0.9997
diabetic10%	0.5675	0.2786	0.5718	0.1538	0.5356
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.2857	0.5283
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5255	0.4745	0.5255	-0.0030	0.5822
dropout	0.7810	0.1460	0.7810	0.6328	0.4425
drug-01	0.2553	0.2128	0.2553	-0.0547	0.8322
drug-02	0.4681	0.1520	0.4681	0.1442	0.7857
drug-03	0.6543	0.0988	0.6543	0.1032	0.4880
drug-04	0.4681	0.1520	0.4681	0.0928	0.7765
drug-05	0.7021	0.0851	0.7021	-0.0417	0.4773
drug-06	0.3085	0.1976	0.3085	0.1448	0.7163
drug-07	0.3936	0.1733	0.3936	0.0405	0.5943
drug-08	0.5691	0.1231	0.5691	0.2416	0.6475
drug-09	0.8511	0.0426	0.8511	0.0362	0.3387
drug-10	0.5000	0.1429	0.5000	0.1344	0.6978
drug-11	0.8298	0.0486	0.8298	0.1144	0.6003
drug-12	0.7606	0.0684	0.7606	-0.0193	0.5605
drug-13	0.5957	0.1155	0.5957	0.2617	0.4897
drug-14	0.5691	0.1231	0.5691	0.2962	0.5970
drug-15	0.7394	0.0745	0.7394	0.1323	0.6305
drug-16	0.5266	0.1353	0.5266	0.2206	0.6687
drug-17	0.3511	0.1854	0.3511	0.1471	0.7588
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7128	0.0821	0.7128	0.0336	0.7214
drybean	0.9287	0.0204	0.9287	0.9138	0.1184
ecoli	0.7941	0.0515	0.7941	0.7105	0.1443
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.6150	0.0481	0.6150	0.5733	0.4689
eeg-eye	0.9579	0.0421	0.9579	0.9147	0.2246
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.3846	0.6154	0.3846	0.0000	0.5200
er_tox_cdk_ECFP2	0.6500	0.3500	0.6500	0.0000	0.4745
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.4516	0.5484	0.4516	0.0000	0.5305
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6742	0.5441
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7292	0.1063	0.7402	0.6613	0.3151
euthyroid	0.0981	0.9019	0.0981	0.0000	0.2332
exon.vs.intron-freq	0.5269	0.4731	0.5269	0.0000	0.5238
fbis-wc	0.2195	0.0918	0.2195	0.0733	0.4027
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.3000	0.1750	0.3000	0.0000	0.3283
fontaine_MACCS	0.3636	0.6364	0.3636	0.0000	0.5131
fonts10%	0.5447	0.0062	0.5436	0.5198	0.5617
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9957	0.0014	0.9957	0.9948	0.0106
gastrointestinal	0.3125	0.4583	0.3125	0.0000	0.3907
gender	0.5789	0.2807	0.5789	0.1321	0.6107
gene	0.9464	0.0358	0.9464	0.9143	0.1669
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.5101	0.4899	0.5101	0.0000	0.5269
glass	0.7143	0.0952	0.7143	0.6135	0.3032
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	1.0000	0.0000	1.0000	1.0000	0.0000
glioma-grade	0.3214	0.6786	0.3214	-0.3256	1.0000
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.4746	0.2657	0.4677	0.2798	0.5703
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.9780	0.0037	0.9780	0.9740	0.0245
har70	0.9360	0.0183	0.9360	0.9047	0.1832
harth10%	0.8614	0.0252	0.8369	0.7759	0.2057
hayes-roth	0.7500	0.1667	0.7500	0.6213	0.2879
hcc-survival	0.5882	0.4118	0.5882	0.0000	0.5049
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.5000	0.5000	0.5000	-0.0563	0.8850
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8686	0.1314	0.8686	0.7372	0.5138
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.7498	0.2502	0.7498	0.4971	0.7508
higher	0.3571	0.1607	0.3571	0.2317	0.2764
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.2778	0.4815	0.2778	-0.1878	0.6133
htru2	0.9782	0.0218	0.9782	0.8650	0.2526
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0000
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9257	0.0743	0.9257	0.0619	0.1815
ilpd	0.5763	0.4237	0.5763	0.0502	0.9076
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.4200	0.5800	0.4200	-0.1381	1.0000
isolet	0.8701	0.0100	0.8830	0.8728	0.1046
jm1	0.8136	0.1864	0.8136	0.3073	0.7314
fvowels	0.9950	0.0011	0.9950	0.9943	0.0102
kc1	0.8578	0.1422	0.8578	0.3853	0.6730
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.0506
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.3440	0.7669
kidney-disease	1.0000	0.0000	0.9898	1.0000	0.0000
krkopt	0.9433	0.0063	0.9433	0.9367	0.0844
krvskp	0.5235	0.4765	0.5235	0.0000	0.5245
la1s-wc	0.2984	0.2339	0.2984	0.0000	0.3659
la2s-wc	0.1060	0.2980	0.1060	0.0000	0.3913
labor	0.6667	0.3333	0.6667	0.4000	0.5283
leaf	0.6471	0.0176	0.6471	0.6301	0.0564
led24	0.1000	0.1800	0.1000	0.0083	0.2081
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9640	0.0028	0.9640	0.9625	0.0425
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.4286	0.5714	0.4286	0.0000	0.5288
libra	0.7222	0.0370	0.7222	0.7017	0.1132
linkage10%	1.0000	0.0001	0.9992	1.0000	0.0214
liver	0.7353	0.2647	0.7353	0.3806	0.7996
localization	0.7329	0.0501	0.7378	0.6409	0.3575
lrs	0.8868	0.0226	0.8868	0.8452	0.1012
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.5714	0.2143	0.5714	0.0000	0.2456
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.6808	0.3192	0.6808	0.3615	0.5653
magic04	0.8906	0.1094	0.8906	0.7561	0.4684

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.4271	0.5729	0.4271	-0.1139	0.9897
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.8515	0.0990	0.8515	0.7740	0.3393
messidor	0.6609	0.3391	0.6609	0.2678	0.7892
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0393
mfeat-fou	0.8300	0.0340	0.8300	0.8111	0.1346
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0421
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2263
mfeat-pix	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-zer	0.7650	0.0470	0.7650	0.7389	0.1558
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5211	0.3896
mobile	0.8846	0.0041	0.8846	0.8825	0.0537
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.4822	0.5178	0.4822	0.0000	0.5301
musk	0.9894	0.0106	0.9894	0.9582	0.0457
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.5652	0.4348	0.5652	0.1317	0.9534
mutagens_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
MUT_ci034254q_MACCS	0.5410	0.4590	0.5410	0.0000	0.5205
MUT_ci300400a	0.5739	0.4261	0.5739	0.0000	0.5103
MUT_ci300400a_cdk_ECFP2	0.4173	0.5827	0.4173	0.0000	0.5272
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.4988	0.5012	0.4988	0.0000	0.5285
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.8998	0.0091	0.9305	0.7639	0.4448
newspop	0.6615	0.3385	0.6615	0.3168	0.8672
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7269	0.2731	0.7269	0.1035	0.6270
NPHA-doctor-visits	0.4167	0.3889	0.4167	-0.0037	0.8306
nursery	0.3295	0.2682	0.3295	0.0000	0.2976
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0807
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.1485	0.1703	0.1485	0.0284	0.4735
oh10-wc	0.1619	0.1676	0.1619	0.0033	0.4050
oh15-wc	0.1739	0.1652	0.1739	0.0000	0.3842
oh5-wc	0.1319	0.1736	0.1319	0.0000	0.3931
opn310k	0.9229	0.0771	0.9229	0.3709	0.4919
opnat310k-hg16-17	0.9245	0.0755	0.9245	0.3830	0.4750
optdigits	0.1050	0.1790	0.1050	0.0000	0.3729
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.8750	0.0063	0.8750	0.8718	0.0208
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9170	0.0830	0.9170	0.2808	0.6346
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8971	0.1458

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.9453	0.0547	0.9453	0.8651	0.3237
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.5542	0.5804
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.9474	0.0526	0.9474	0.8491	0.1655
pediatric-leukemia	0.2353	0.2185	0.2353	0.0000	0.3686
pendigits	0.9954	0.0009	0.9954	0.9949	0.0090
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.3402	0.6598	0.3402	0.0000	0.5033
P-Glycoprotein_b_Substrate	0.5000	0.5000	0.5000	0.0000	0.5283
P-Glycoprotein_c_RDkit_AtomPair_FP	0.4683	0.5317	0.4683	0.0000	0.5307
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.4000	0.6000	0.4000	0.0000	0.5239
phishing	0.6082	0.3918	0.6082	0.0000	0.4963
phoneme	0.9204	0.0796	0.9204	0.8020	0.4063
phy	0.6605	0.3561	0.6334	0.2952	0.9037
pima	0.7105	0.2895	0.7105	0.3489	0.7670
plx	0.5000	0.5000	0.5000	-0.3279	0.9705
poker	0.0002	0.2000	0.0002	-0.0000	0.2266
polish-1st	0.9758	0.0242	0.9758	0.5930	0.3358
polish-2nd	0.9646	0.0354	0.9646	0.3638	0.4576
polish-3rd	0.9619	0.0381	0.9619	0.4126	0.3730
polish-4th	0.9704	0.0296	0.9704	0.6518	0.3440
polish-5th	0.9577	0.0423	0.9577	0.6354	0.4420
polya	0.8032	0.1968	0.8032	0.5558	0.6645
popularity	0.6794	0.2137	0.6794	0.2654	0.4725
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9977	0.0009	0.9977	0.9971	0.0079
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.9350
primary-tumor	0.0909	0.0826	0.0909	0.0562	0.2533
profb	0.7543	0.2482	0.7378	0.4273	0.7882
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9973	0.0011	0.9973	0.9964	0.0099
pufs-6410%	0.4994	0.5006	0.4994	-0.0012	1.0000
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.4000	0.0923	0.4000	0.0043	0.2801
re1-wc	0.0361	0.0771	0.0361	-0.0900	0.3712
rejafada	0.0352	0.9648	0.0352	0.0000	0.0946
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6013	0.4127	0.5987	0.0000	0.4938
RT_IOT2022	0.9878	0.0007	0.9986	1.0000	0.0057
satimage	0.9145	0.0285	0.9145	0.8943	0.1406
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9471	0.0529	0.9471	0.6211	0.1466
scadi	0.1429	0.2449	0.1429	0.0000	0.3180
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.5553	0.4447	0.5553	0.0012	0.5165
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8526	0.1474	0.8526	-0.0290	0.6162
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9986	0.0002	0.9986	0.9985	0.0031
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8467	0.1533	0.8467	0.0089	0.2982
shuttle	0.9995	0.0001	0.9995	0.9985	0.0461
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9993	0.0063
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.1655	0.2782	0.1655	-0.0204	0.5243
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.1324	0.0913	0.1324	0.0164	0.3041
spambase	0.6043	0.3957	0.6043	0.0000	0.4981
spect	0.2222	0.7778	0.2222	0.0000	0.4150
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5283	0.0197	0.5283	0.5034	0.1353
splice-EI	0.9779	0.0221	0.9779	0.9417	0.1787
splice-IE	0.9432	0.0568	0.9432	0.8414	0.3428
sport-articles	0.8600	0.1400	0.8600	0.6928	0.5387
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8462	0.1538	0.8462	0.6010	0.6099
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.5126	0.3250	0.5126	0.2101	0.5486
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7846	0.2154	0.7846	0.5533	0.6782
steel-p	0.9333	0.0667	0.9333	0.4840	0.5404
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.6154	0.2564	0.6154	0.4091	0.2032
student-weekend	0.4000	0.2400	0.4000	0.0299	0.3449
student-workday	0.5625	0.1750	0.5625	-0.1349	0.3698
susy10%	0.7951	0.2049	0.7951	0.5838	0.6655
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	0.9868	0.0004	0.9797	1.0000	0.0047
swarm_grouped	0.6249	0.3751	0.6249	0.0000	0.4882
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9909	0.0017	0.9909	0.9900	0.0147
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.1489	0.8511	0.1489	0.0000	0.3207
Thyroid_Diff	0.2895	0.7105	0.2895	0.0000	0.4738
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.7345	0.2655	0.7345	0.0310	0.7532
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.1250	0.2917	0.1250	0.0000	0.3260
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	-0.1550	0.9198
trec11-wc	0.3171	0.1518	0.3171	0.0000	0.3354
trec12-wc	0.2903	0.1774	0.2903	0.0000	0.3607

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.3810	0.2063	0.3810	-0.0664	0.4191
trec31-wc	0.3656	0.1813	0.3656	-0.0127	0.3685
trec41-wc	0.2841	0.1432	0.2841	0.0000	0.3263
trec45-wc	0.2319	0.1536	0.2319	0.0000	0.3575
tuandromd	0.2018	0.7982	0.2018	0.0000	0.3921
turkish	0.7500	0.1250	0.7500	0.6667	0.2887
tvnews	0.3872	0.6128	0.3872	0.0188	0.5863
urban	0.8657	0.0299	0.8657	0.8426	0.1186
vehicle	0.7857	0.1071	0.7857	0.7114	0.2024
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6566	0.0624	0.6566	0.6222	0.2096
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9324	0.0676	0.9324	0.4982	0.4868
wap-wc	0.0833	0.0917	0.0833	0.0000	0.3631
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	1.0000	0.0002	0.9752	0.9835	0.0024
watch-gyr10%	0.9777	0.0002	0.9843	0.9812	0.0023
waveform	0.8520	0.0987	0.8520	0.7780	0.3512
web-phishing	0.8667	0.0889	0.8667	0.7600	0.3483
weight-lift	1.0000	0.0010	0.9859	1.0000	0.0084
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8297	0.1734
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6981	0.1006	0.6981	0.5141	0.4205
winequality-white	0.6769	0.0923	0.6769	0.5108	0.3952
winnipeg	0.9986	0.0004	0.9986	0.9982	0.0096
yale	0.7500	0.0333	0.7500	0.7322	0.0618
yeast	0.5608	0.0878	0.5608	0.4383	0.4679
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9392	0.0608	0.9392	-0.0215	0.6129
zip	0.9634	0.0073	0.9634	0.9590	0.0618
zoo	0.1000	0.2571	0.1000	0.0000	0.3334

Table 94: Detailed results for DECORATE

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1727	0.0571	0.1727	0.0747	0.3785
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9618	0.0278	0.9534	0.8909	0.2388
adult	0.8604	0.1396	0.8604	0.5767	0.5759
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9930	0.0070	0.9930	0.1572	0.4873
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9082	0.0459	0.9082	0.8172	0.1635
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.8915	0.0271	0.8915	0.8160	0.2221
anuran-species	0.9514	0.0097	0.9514	0.9320	0.0828
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5377	0.1353
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7351	0.1664
avila	0.6167	0.0639	0.6167	0.4422	0.2502
balance	0.7903	0.1398	0.7903	0.6084	0.4036
bank	0.9109	0.0891	0.9109	0.5740	0.5959
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6288	0.6224
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9868	0.0000	1.0000	0.1478	0.3200
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9483	0.0259	0.9483	0.8923	0.1968
card	0.8116	0.1884	0.8116	0.6223	0.6266
cardiotocography	0.8028	0.0394	0.8028	0.7632	0.2288
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7826	0.2807
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5329	0.4100
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0557	0.5953
cdc_diabetes	0.8440	0.1040	0.8440	0.1588	0.3844
census10%	0.9488	0.0458	0.9318	0.4206	0.3658
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8001	0.1816	0.8335	0.6271	0.6364
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.6190	0.2540	0.6190	0.2432	0.5503
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8066	0.0910	0.8339	0.7039	0.3301
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5578	0.2948	0.5578	0.3159	0.7051
cnae-9	0.9486	0.0083	0.9654	0.9546	0.0410
codon_usage	0.6055	0.0717	0.6055	0.5122	0.2324
coil20	0.8958	0.0104	0.8958	0.8903	0.0510
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.8387	0.1075	0.8387	0.7430	0.2410
connect-4	0.9836	0.0110	0.9836	0.4588	0.1316
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3729	0.8278
covtype	0.7122	0.0822	0.7122	0.5319	0.3506
covtypeCD	0.9766	0.0234	0.9766	0.9006	0.2376
covtypeT	0.9779	0.0221	0.9779	0.8275	0.3205
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8147	0.0618	0.8147	0.5542	0.2543
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2960	0.1339
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9189	0.0270	0.9189	0.8991	0.0971
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5791	0.2736	0.5822	0.1556	0.5334
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7133	0.1911	0.7133	0.5262	0.5334
drug-01	0.3936	0.1733	0.3936	0.0048	0.4129
drug-02	0.5213	0.1368	0.5213	0.0345	0.3636
drug-03	0.6809	0.0912	0.6809	-0.0049	0.2706
drug-04	0.5319	0.1337	0.5319	0.0258	0.3576
drug-05	0.7234	0.0790	0.7234	-0.0143	0.2970
drug-06	0.3830	0.1763	0.3830	0.2063	0.4966
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5532	0.1277	0.5532	0.0338	0.3177
drug-09	0.8404	0.0456	0.8404	-0.0316	0.3629
drug-10	0.5426	0.1307	0.5426	0.0216	0.3417
drug-11	0.8298	0.0486	0.8298	-0.0259	0.2612
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6064	0.1125	0.6064	0.2816	0.3508
drug-14	0.6064	0.1125	0.6064	0.1819	0.3679
drug-15	0.7660	0.0669	0.7660	0.0664	0.1851
drug-16	0.5745	0.1216	0.5745	0.3363	0.4261
drug-17	0.3191	0.1945	0.3191	-0.0030	0.3978
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9192	0.0231	0.9192	0.9021	0.1277
ecoli	0.8235	0.0441	0.8235	0.7515	0.0998
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1710	0.1036	0.1710	0.0362	0.3945
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9660	0.0326	0.9750	0.6631	0.4885
er_tox_rdkit_AVALON	0.9325	0.0653	0.9272	0.6993	0.4744
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9613	0.0483	0.9343	0.9214	0.2566
er_tox_rdkit_LAYERED	0.9702	0.0496	0.9299	0.7899	0.1410
er_tox_rdkit_MACCS	0.9611	0.0494	0.9542	0.5418	0.5816
er_tox_rdkit_MORGAN	0.9452	0.0487	0.9319	0.3766	0.5750
er_tox_rdkit_PATTERN	0.9606	0.0315	0.9786	0.9287	0.1257
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9687	0.0493	0.9356	0.0000	0.1321
eucalyptus	0.6986	0.1205	0.6986	0.6025	0.2794
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.4431	0.0655	0.4431	0.3232	0.2432
fda.atompair_fp	0.7778	0.2314	0.7699	0.2299	0.3938
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.4000	0.1500	0.4000	0.2523	0.3085
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.5393	0.0060	0.5393	0.5188	0.5459
forest	0.9038	0.0481	0.9038	0.8672	0.1255
gas	0.7477	0.0841	0.7477	0.6954	0.2126
gastrointestinal	0.6250	0.2500	0.6250	0.4419	0.4401
gender	0.5895	0.2737	0.5895	0.0053	0.3706
gene	0.8959	0.0694	0.8959	0.8327	0.2787
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.7143	0.0952	0.7143	0.6261	0.2567
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3548	0.8301
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2638	0.5793
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8811	0.0198	0.8811	0.8594	0.1166
har70	0.9070	0.0229	0.9199	0.8941	0.1206
harth10%	0.8487	0.0253	0.8347	0.8069	0.2118
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7902	0.1999	0.7939	0.5833	0.5839
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5423	0.4459	0.5411	0.0481	0.5709
higher	0.2143	0.1964	0.2143	0.0994	0.3636
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5237	0.6374
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.5833	0.2778	0.5833	0.2330	0.6477
htru2	0.9777	0.0223	0.9777	0.8596	0.2396
ht-sensor	0.7557	0.1629	0.7557	0.6383	0.3786
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0557
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.3813	0.0476	0.3813	0.3565	0.2477
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
jvowels	0.7430	0.0571	0.7430	0.7090	0.2647
kc1	0.8531	0.1469	0.8531	0.2727	0.6396
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1466
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7337	0.0296	0.7337	0.7028	0.3019
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5016	0.1602	0.5195	0.3254	0.3156
la2s-wc	0.4858	0.1726	0.4979	0.2929	0.3293
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6909	0.0589
led24	0.6500	0.0700	0.6500	0.6056	0.1568
lenses	1.0000	0.0000	1.0000	0.9778	0.0000
letter	0.3950	0.0465	0.3950	0.3716	0.2976
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5000	0.0667	0.5000	0.4636	0.1948
linkage10%	1.0000	0.0001	1.0000	1.0000	0.0210
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.4984	0.0912	0.4984	0.3387	0.3569
lrs	0.6226	0.0755	0.6226	0.4914	0.1847
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.8190	0.1706
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6907	0.2125
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5472	0.1163
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.6667	0.0741	0.6667	0.5500	0.0853
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7791	0.2209	0.7791	0.4462	0.5424

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5817	0.6807
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7228	0.1848	0.7228	0.5817	0.4804
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8442	0.1259
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.8750	0.0250	0.8750	0.8611	0.1364
mfeat-fou	0.6550	0.0690	0.6550	0.6167	0.2444
mfeat-kar	0.5400	0.0920	0.5400	0.4889	0.2691
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2257
mfeat-pix	0.8450	0.0310	0.8450	0.8278	0.1653
mfeat-zer	0.5600	0.0880	0.5600	0.5111	0.2462
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4647
mobile	0.4465	0.0195	0.4338	0.4298	0.2042
monks-1	0.7273	0.2727	0.7273	0.4562	0.7625
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4014	0.5989	0.4123	-0.1875	1.0000
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8882	0.0279	0.8882	0.4578	0.0891
naticusdroid	0.9926	0.0252	0.9550	0.9293	0.1566
nci9	0.3333	0.1481	0.3333	0.2258	0.1401
ncRNA10%	0.9216	0.0090	0.8927	0.7426	0.4253
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9283	0.0717	0.9283	0.8271	0.3910
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0438	0.6509
nursery	0.9915	0.0034	0.9915	0.9876	0.0339
obs	0.8796	0.0602	0.8796	0.8272	0.1270
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9728	0.0350
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.4286	0.1143	0.4286	0.3329	0.2675
oh15-wc	0.4674	0.1065	0.4674	0.3775	0.2515
oh5-wc	0.4945	0.1011	0.4945	0.4098	0.2911
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.8345	0.0331	0.8345	0.8161	0.2070
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.3500	0.0325	0.3500	0.3333	0.2094
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9447	0.0553	0.9447	-0.0261	0.6361
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9598	0.0161	0.9598	0.7609	0.2362

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.7647	0.0672	0.7647	0.7125	0.2073
pendigits	0.9290	0.0142	0.9290	0.9211	0.0891
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9850	0.0362	0.9838	0.9174	0.1949
phoneme	0.7944	0.2056	0.7944	0.5652	0.6136
phy	0.6274	0.3726	0.6274	0.2526	0.7838
pima	0.7105	0.2895	0.7105	0.3871	0.8164
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6484	0.0703	0.6484	0.3490	0.4117
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.8889	0.0741	0.8889	0.7273	0.1423
postures	0.6111	0.1555	0.6111	0.5126	0.2722
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.4273	0.0533	0.4210	0.3428	0.2286
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9103	0.0359	0.9103	0.8782	0.1347
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.4533	0.0841	0.4533	0.1415	0.3284
re1-wc	0.5120	0.0390	0.5120	0.4127	0.1825
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9500	0.0200	0.9500	0.9332	0.0595
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9917	0.0014	0.9917	0.9792	0.0127
satimage	0.8118	0.0627	0.8118	0.7676	0.2389
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.8927	0.1073	0.8927	0.0545	0.5389
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9177	0.0235	0.9177	0.9038	0.0928
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8370	0.1503	0.8297	-0.0067	0.6653
sensorless	0.8727	0.0232	0.8727	0.8599	0.0924
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9732	0.1170
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7554	0.0815	0.7554	0.6850	0.2028
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7796	0.2171	0.7587	0.2653	0.7625
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.3962	0.0252	0.3962	0.3504	0.1779
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7600	0.2400	0.7600	0.4852	0.7487
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8884	0.0744	0.8884	0.8193	0.2479
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.8974	0.1026	0.8974	0.2780	0.6749
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8093	0.4129
studentap	0.3077	0.4615	0.3077	-0.0263	0.7504
student-weekend	0.3692	0.2523	0.3692	0.0509	0.5907
student-workday	0.6875	0.1250	0.6875	0.1715	0.4563
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	0.9957	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9807	0.0000	0.9816	1.0000	0.0000
swarm_grouped	1.0000	0.0000	0.9810	0.9884	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.3649
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.8509	0.0271	0.8509	0.8357	0.1382
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.2381	0.1674
tox_171	0.2941	0.3529	0.2941	0.0599	0.5158
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5085	0.5087	0.4946	0.0000	0.5395
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.7317	0.0596	0.7317	0.6637	0.2643
trec12-wc	0.8065	0.0484	0.8065	0.7669	0.1283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5633	0.3084
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.8280	0.0492	0.8280	0.7668	0.1018
trec41-wc	0.6932	0.0614	0.6932	0.6100	0.2499
trec45-wc	0.9275	0.0145	0.9275	0.9156	0.0670
tuandromd	0.9865	0.0181	0.9770	0.9444	0.1673
turkish	0.6000	0.2000	0.6000	0.4667	0.4363
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.8209	0.0398	0.8209	0.7897	0.1669
vehicle	0.7500	0.1250	0.7500	0.6589	0.2661
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8140	0.1860	0.8140	0.6301	0.5432
vowel	0.4747	0.0955	0.4747	0.4222	0.2493
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8201	0.0514	0.8201	0.7891	0.1612
watch-gyr10%	0.8682	0.0377	0.8682	0.8459	0.1409
waveform	0.6220	0.2520	0.6220	0.4342	0.5354
web-phishing	0.8667	0.0889	0.8667	0.7632	0.3901
weight-lift	0.5055	0.1978	0.5055	0.3310	0.2938
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0611
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.4906	0.1698	0.4906	0.1261	0.3441
winequality-white	0.4458	0.1583	0.4458	0.0101	0.3949
winnipeg	0.8497	0.0439	0.8545	0.8050	0.0901
yale	0.3750	0.0833	0.3750	0.3305	0.1741
yeast	0.4932	0.1014	0.4932	0.3506	0.4187
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.6398	0.0720	0.6398	0.5973	0.2577
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 95: Detailed results for DELAK

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1655	0.0576	0.1655	0.0724	0.3966
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9834	0.0166	0.9834	0.1559	0.1518
ads	0.9504	0.0275	0.9571	0.8803	0.2291
adult	0.8524	0.1476	0.8524	0.5416	0.5820
AID1284Morered	0.6944	0.3056	0.6944	-0.0206	0.7441
AID1284red	0.6667	0.3333	0.6667	0.0730	0.6931
AID_1431	0.8413	0.1587	0.8413	-0.0853	0.7270
AID1608Morered	0.8835	0.1165	0.8835	0.1879	0.6599
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7143	0.2857	0.7143	0.0741	0.8254
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID439Morered	0.8571	0.1429	0.8571	0.5882	0.5283
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1618	0.8952
AID_602330	0.9323	0.0677	0.9323	-0.0331	0.6496
AID604	0.9969	0.0031	0.9969	0.2099	0.0146
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.6500	0.3500	0.6500	0.2708	0.8198
AID644red	0.4500	0.5500	0.4500	-0.0577	0.8950
AID_652128	0.8182	0.1212	0.8182	-0.0761	0.4123
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.4444	0.5556	0.4444	-0.0465	0.7758
AID721red	0.1111	0.8889	0.1111	-0.5000	0.7757
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.7407	0.2593	0.7407	0.2410	0.6032
AID852_MACCS	0.8769	0.1231	0.8769	0.6176	0.5221
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.8764	0.0494	0.8764	0.6978	0.1636
antivirus	0.8108	0.1892	0.8108	0.0000	0.3405
anuran-family	0.9166	0.0417	0.9166	0.8425	0.1650
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9499	0.0125	0.9499	0.9181	0.1812
anuran-species	0.9458	0.0108	0.9458	0.9247	0.1261
aps-failure	0.9864	0.0136	0.9864	0.5010	0.3564
arcene	0.7500	0.2500	0.7500	0.4681	0.7547
arrhythmia	0.7333	0.0410	0.7333	0.5833	0.2538
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6522	0.0290	0.6522	0.5938	0.0933
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7403	0.1814
avila	0.6430	0.0595	0.6430	0.4958	0.4246
balance	0.7903	0.1398	0.7903	0.6080	0.4057
bank	0.8966	0.1034	0.8966	0.3445	0.5975
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8295	0.1705	0.8295	0.6022	0.5316
basehock	0.9296	0.0704	0.9296	0.8593	0.3386
bio	0.9957	0.0043	0.9957	0.6814	0.0574
biodeg	0.8762	0.1238	0.8762	0.7412	0.5090
biomed	0.9048	0.0952	0.9048	0.8073	0.3522
bitcoin10%	0.9830	0.0000	0.9794	0.1512	0.3272
block10%	0.9997	0.0003	0.9997	0.9603	0.0018
block10%	0.9997	0.0003	0.9997	0.9603	0.0018
breast-cancer	0.8214	0.1786	0.8214	0.5070	0.6034
breast-cancer-co	0.9091	0.0909	0.9091	0.8197	0.3145
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1000	1.0000
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1700
bridges	0.8000	0.0571	0.8000	0.7297	0.1255
bub10at310k-hg16-17	0.9103	0.0897	0.9103	0.0295	0.2327
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9540	0.0230	0.9540	0.9043	0.1923
card	0.8696	0.1304	0.8696	0.7285	0.5029
cardiotocography	0.8451	0.0310	0.8451	0.8133	0.1796
cardiotocography-nsp	0.9014	0.0657	0.9014	0.7399	0.3966
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5149	0.3455
cas_N6512_cdk_ECFP2	0.5975	0.4025	0.5975	0.1570	0.8548
cdc_diabetes	0.8479	0.1014	0.8479	0.1312	0.2788
census10%	0.9753	0.0461	0.9458	0.4193	0.3712
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8447	0.2062
ci100410h_MACCS	0.8438	0.1562	0.8438	0.3846	0.3145
ci200186.atompair_fp	0.8117	0.1826	0.8315	0.6182	0.6382
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6110	0.6462
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3350	0.7410
cirrhosis	0.7143	0.1905	0.7143	0.4350	0.4320
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8194	0.0878	0.8380	0.7230	0.3299
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.4167	0.3889	0.4167	-0.0244	0.5624
cm1	0.7800	0.2200	0.7800	0.1538	0.6539
cmc	0.5578	0.2948	0.5578	0.3124	0.6780
cnae-9	0.9429	0.0081	0.9559	0.9626	0.0405
codon_usage	0.6170	0.0696	0.6170	0.5264	0.2472
coil20	0.9792	0.0021	0.9792	0.9781	0.0148
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.6207	0.3793	0.6207	0.2494	0.8405
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.6207	0.3793	0.6207	0.2276	0.9066
colposcopies-4	0.6552	0.3448	0.6552	0.2526	0.8193

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.8276	0.1724	0.8276	0.5511	0.6703
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8387	0.1075	0.8387	0.7430	0.2410
connect-4	0.9850	0.0100	0.9850	0.5099	0.0309
cottonmeloidogyne	0.5769	0.4231	0.5769	0.1471	0.6160
coupon	0.7074	0.2926	0.7074	0.3944	0.8118
covtype	0.7147	0.0815	0.7147	0.5352	0.3182
covtypeCD	0.9871	0.0129	0.9871	0.9440	0.1152
covtypeT	0.9797	0.0203	0.9797	0.8368	0.2698
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8378	0.0541	0.8378	0.6229	0.2583
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2967	0.1216
cyclopentane	0.5926	0.4074	0.5926	0.1951	0.9130
cylinder-bands	0.7037	0.2963	0.7037	0.3581	0.7446
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8183	0.1817	0.8183	0.3634	0.6606
deposit	0.8956	0.1044	0.8956	0.4496	0.6297
dermatology	0.7838	0.0721	0.7838	0.7319	0.1465
desharnais	0.8750	0.0833	0.8750	0.7838	0.2032
dexter	0.8667	0.1333	0.8667	0.7333	0.4499
dhfr_cdk_ECFP2	0.7368	0.2632	0.7368	0.4154	0.7389
diabetes	0.9231	0.0769	0.9231	0.8344	0.3408
diabetic10%	0.5827	0.2823	0.5806	0.1578	0.5337
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0704	0.9669
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5535	0.4465	0.5535	0.0738	0.8672
dropout	0.7246	0.1836	0.7246	0.5387	0.5340
drug-01	0.3989	0.1717	0.3989	0.0153	0.3885
drug-02	0.4894	0.1459	0.4894	-0.0106	0.4598
drug-03	0.6702	0.0942	0.6702	-0.0290	0.2950
drug-04	0.5053	0.1413	0.5053	-0.0022	0.4873
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3936	0.1733	0.3936	0.2198	0.4800
drug-07	0.4149	0.1672	0.4149	-0.0189	0.3472
drug-08	0.5479	0.1292	0.5479	0.0171	0.3330
drug-09	0.8617	0.0395	0.8617	-0.0076	0.1838
drug-10	0.5426	0.1307	0.5426	0.0146	0.3396
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6064	0.1125	0.6064	0.1224	0.2870
drug-14	0.5638	0.1246	0.5638	0.1075	0.4847
drug-15	0.7606	0.0684	0.7606	0.0446	0.1835
drug-16	0.5638	0.1246	0.5638	0.2844	0.4593
drug-17	0.3085	0.1976	0.3085	-0.0107	0.4420
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	-0.0077	0.2153
drybean	0.8949	0.0300	0.8949	0.8724	0.1390
ecoli	0.8235	0.0441	0.8235	0.7500	0.1145
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1720	0.1035	0.1720	0.0383	0.4099
eeg-eye	0.5841	0.4159	0.5841	0.1146	0.8792
EPA_FHM	0.9344	0.0656	0.9344	0.0000	0.1655
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2778	0.7583
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7004	0.5303
er_tox_rdkit_ATOMPAIR	0.9661	0.0334	0.9809	0.6647	0.4831
er_tox_rdkit_AVALON	0.9514	0.0644	0.9558	0.7185	0.4797
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5553	0.5072
er_tox_rdkit_FEATMORGAN	0.9717	0.0474	0.9676	0.9224	0.2627
er_tox_rdkit_LAYERED	0.9449	0.0479	0.9576	0.7815	0.1444
er_tox_rdkit_MACCS	0.9388	0.0489	0.9452	0.5351	0.5618
er_tox_rdkit_MORGAN	0.9381	0.0491	0.9720	0.3811	0.5605
er_tox_rdkit_PATTERN	0.9627	0.0328	0.9793	0.9071	0.1261
er_tox_rdkit_RDKITFP	0.6230	0.3770	0.6230	0.3232	0.6228
er_tox_rdkit_TORSION	0.9442	0.0472	0.9655	0.0000	0.1348
eucalyptus	0.6301	0.1479	0.6301	0.5093	0.3197
euthyroid	0.9652	0.0348	0.9652	0.8004	0.3649
exon.vs.intron-freq	0.8981	0.1019	0.8981	0.7970	0.4095
fbis-wc	0.6057	0.0464	0.6057	0.5443	0.2435
fda.atompair_fp	0.7622	0.2224	0.7644	0.2236	0.3943
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5500	0.1125	0.5500	0.4512	0.2305
fontaine_MACCS	0.9773	0.0227	0.9773	0.9515	0.1529
fonts10%	0.5396	0.0062	0.5361	0.5147	0.5667
forest	0.9038	0.0481	0.9038	0.8673	0.1258
gas	0.8505	0.0498	0.8505	0.8192	0.1674
gastrointestinal	0.8125	0.1250	0.8125	0.7126	0.2602
gender	0.5516	0.2989	0.5516	-0.0115	0.6864
gene	0.9464	0.0358	0.9464	0.9143	0.1700
german	0.6500	0.3500	0.6500	0.0789	0.8108
gina	0.7378	0.2622	0.7378	0.4704	0.5862
glass	0.6667	0.1111	0.6667	0.5545	0.2847
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7143	0.2857	0.7143	0.3571	0.8215
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.5370
haberman	0.7000	0.3000	0.7000	0.1290	0.8673
hapt	0.8664	0.0223	0.8664	0.8421	0.1374
har70	0.9308	0.0234	0.9326	0.8886	0.1178
harth10%	0.8360	0.0251	0.8456	0.7925	0.2070
hayes-roth	0.6875	0.2083	0.6875	0.4937	0.3509
hcc-survival	0.5294	0.4706	0.5294	0.1053	0.9033
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7935	0.2070	0.7992	0.5953	0.5838
hERG-121inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5463	0.4445	0.5493	0.0487	0.5840
higher	0.2857	0.1786	0.2857	0.1566	0.3416
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8836	0.1164	0.8836	0.5394	0.5758
hiva	0.9527	0.0473	0.9527	-0.0181	0.6050
horse	0.6667	0.2222	0.6667	0.3915	0.5499
htru2	0.9782	0.0218	0.9782	0.8665	0.2661
ht-sensor	0.8130	0.1246	0.8130	0.7215	0.3416
hypothyroid	0.9894	0.0053	0.9894	0.9369	0.0826
hypothyroidT	0.9947	0.0053	0.9947	0.9626	0.1146
ilpd	0.7119	0.2881	0.7119	0.0475	0.6485
immuno-therapy	0.8889	0.1111	0.8889	0.7273	0.4644
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5905	0.0315	0.5905	0.5741	0.1862
jm1	0.8007	0.1993	0.8007	0.2864	0.7614
jvowels	0.8584	0.0315	0.8584	0.8391	0.1621
kc1	0.7915	0.2085	0.7915	0.2469	0.7646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.1250	0.2771
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7692	0.2308	0.7692	0.4233	0.7104
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7629	0.0263	0.7629	0.7354	0.2690
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5134	0.1621	0.4991	0.3217	0.3219
la2s-wc	0.5004	0.1679	0.5022	0.2883	0.3283
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6597	0.0632
led24	0.7000	0.0600	0.7000	0.6629	0.1278
lenses	1.0000	0.0000	1.0000	0.9876	0.0000
letter	0.5965	0.0310	0.5965	0.5810	0.2165
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8889	0.0148	0.8889	0.8805	0.0457
linkage10%	1.0000	0.0001	1.0000	0.9833	0.0207
liver	0.6471	0.3529	0.6471	0.1092	0.9052
localization	0.4816	0.0943	0.4816	0.2876	0.4127
lrs	0.7925	0.0415	0.7925	0.7131	0.1681
lsvt	0.6154	0.3846	0.6154	0.2529	0.7912
lung	0.7143	0.1143	0.7143	0.2075	0.2229
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.4483	0.1594
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.4545	0.2500
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.3333	0.6667	0.3333	0.0000	0.5000
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0368
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5154	0.4846	0.5154	0.0308	0.9593
magic04	0.8096	0.1904	0.8096	0.5495	0.6059

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7426	0.1716	0.7426	0.6113	0.4508
messidor	0.6696	0.3304	0.6696	0.3574	0.7906
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	0.8889	0.0741	0.8889	0.8302	0.1560
meter-C	0.8889	0.0556	0.8889	0.8448	0.1217
meter-D	0.7778	0.1111	0.7778	0.6923	0.2004
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0540
mfeat-fou	0.7550	0.0490	0.7550	0.7278	0.2240
mfeat-kar	0.8250	0.0350	0.8250	0.8056	0.1663
mfeat-mor	0.6600	0.0680	0.6600	0.6222	0.2447
mfeat-pix	0.9300	0.0140	0.9300	0.9222	0.0753
mfeat-zer	0.6800	0.0640	0.6800	0.6444	0.2257
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.5294	0.1882	0.5294	0.4113	0.4115
mobile	0.4360	0.0201	0.4385	0.4237	0.1996
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9508	0.0492	0.9508	0.8872	0.1731
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	0.9963	0.0037	0.9963	0.9926	0.0289
musk	0.8864	0.1136	0.8864	0.4479	0.5047
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9304
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.3965	0.5870	0.4064	-0.1873	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7017
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4719	0.7701
MUT_ci300400a	0.6391	0.3609	0.6391	0.2055	0.8125
MUT_ci300400a_cdk_ECFP2	0.6091	0.3909	0.6091	0.0867	0.6822
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9515	0.0255	0.9890	0.9432	0.1612
nci9	0.3333	0.1481	0.3333	0.2258	0.1458
ncRNA10%	0.9267	0.0094	0.9290	0.7397	0.4455
newspop	0.4879	0.5121	0.4879	0.0298	0.7179
new-thyroid	0.7619	0.1587	0.7619	0.2391	0.2470
new-thyroidT	0.9048	0.0952	0.9048	0.4615	0.2236
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.8923	0.1077	0.8923	0.7331	0.4947
NPHA-doctor-visits	0.4306	0.3796	0.4306	-0.0821	0.6028
nursery	0.9969	0.0012	0.9969	0.9955	0.0074
obs	0.9722	0.0139	0.9722	0.9591	0.0599
occupancy	0.9932	0.0068	0.9932	0.9810	0.0858
Occupancy_Estimation	0.8332	0.0834	0.8332	0.1794	0.1655
oh0-wc	0.5149	0.0970	0.5149	0.4407	0.2081
oh10-wc	0.4952	0.1010	0.4952	0.4177	0.2689
oh15-wc	0.5000	0.1000	0.5000	0.4177	0.2279
oh5-wc	0.5055	0.0989	0.5055	0.4387	0.2625
opn310k	0.9106	0.0894	0.9106	0.0383	0.2451
opnat310k-hg16-17	0.9100	0.0900	0.9100	0.0323	0.2578
optdigits	0.9270	0.0146	0.9270	0.9189	0.0940
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.7500	0.0125	0.7500	0.7436	0.0477
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9328	0.0672	0.9328	0.0705	0.6080
ozone8hr	0.8972	0.1028	0.8972	0.0243	0.6945
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9744	0.0102	0.9744	0.8478	0.2678

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.7895	0.2105	0.7895	0.5682	0.5164
particle	0.8902	0.1098	0.8902	0.7294	0.5091
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5979	0.4021	0.5979	0.0801	0.8186
pd	0.7763	0.2237	0.7763	0.4333	0.7479
pediatric-leukemia	0.7647	0.0672	0.7647	0.7066	0.1948
pendigits	0.9754	0.0049	0.9754	0.9727	0.0332
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.5034	0.7277
P-Glycoprotein_b_Substrate	0.7200	0.2800	0.7200	0.4400	0.7269
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.2857	0.8805
Pgp_desc	0.5500	0.4500	0.5500	0.1176	0.9262
phishing	0.9399	0.0363	0.9734	0.9379	0.1945
phoneme	0.8222	0.1778	0.8222	0.6168	0.5826
phy	0.6320	0.3680	0.6320	0.2640	0.8986
pima	0.6974	0.3026	0.6974	0.3235	0.8000
plx	0.4444	0.5556	0.4444	-0.0112	0.8322
poker	0.7208	0.0558	0.7208	0.4757	0.2009
polish-1st	0.9716	0.0284	0.9716	0.5104	0.3983
polish-2nd	0.9626	0.0374	0.9626	0.2279	0.3920
polish-3rd	0.9476	0.0524	0.9476	0.0237	0.4710
polish-4th	0.9551	0.0449	0.9551	0.4288	0.4797
polish-5th	0.9374	0.0626	0.9374	0.5096	0.5833
polya	0.6627	0.3373	0.6627	0.0895	0.6178
popularity	0.6124	0.2584	0.6124	-0.0100	0.5298
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.6262	0.1495	0.6262	0.5314	0.2548
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.8824
primary-tumor	0.4214	0.0523	0.4336	0.3493	0.2358
profb	0.7164	0.2836	0.7164	0.1750	0.4393
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7143	0.2857	0.7143	0.3636	0.4644
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9454	0.0219	0.9454	0.9264	0.1117
pufs-6410%	0.4971	0.5029	0.4971	-0.0060	0.9864
raisin	0.8889	0.1111	0.8889	0.7778	0.4633
re0-wc	0.6133	0.0595	0.6133	0.4861	0.4636
re1-wc	0.5361	0.0371	0.5361	0.4541	0.2361
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5835	0.4165	0.5835	0.0123	0.8049
RT_IOT2022	0.8665	0.0223	0.8665	0.5563	0.1013
satimage	0.8367	0.0544	0.8367	0.7955	0.1888
satimageF	0.9891	0.0109	0.9891	0.9428	0.1232
satimageT	0.8958	0.1042	0.8958	0.3801	0.6550
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.5556	0.4444	0.5556	0.2500	0.5000
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.8910	0.1090	0.8910	0.0474	0.6798
secondary_mushroom	0.7193	0.2807	0.7193	0.4642	0.5303
segment	0.9221	0.0223	0.9221	0.9089	0.0963
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8474	0.1526	0.8474	-0.0377	0.6657
sens-2-gram	0.8395	0.1605	0.8395	-0.0239	0.7250
sens-3-gram	0.8474	0.1526	0.8474	0.0143	0.6901
sens-4-gram	0.8592	0.1472	0.8385	-0.0064	0.6550
sensorless	0.9742	0.0047	0.9742	0.9716	0.0376
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8719	0.1281	0.8719	0.5085	0.6500
shuttle	0.9610	0.0111	0.9610	0.8893	0.0555
sick	0.9735	0.0265	0.9735	0.7686	0.3227
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9944	0.0056	0.9944	0.9830	0.0827
smk_can_187	0.6842	0.3158	0.6842	0.3804	0.7358
solar-flare	0.7482	0.0839	0.7482	0.6738	0.1877
sonar	0.6500	0.3500	0.6500	0.3000	0.7546
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.8957	0.1043	0.8957	0.7784	0.4370
spect	0.7614	0.2174	0.7926	0.2768	0.7676
spectf	0.8286	0.1714	0.8286	0.5800	0.6541
spectrometer	0.4717	0.0220	0.4717	0.4364	0.1589
splice-EI	0.9842	0.0158	0.9842	0.9587	0.1501
splice-IE	0.9558	0.0442	0.9558	0.8800	0.3080
sport-articles	0.7600	0.2400	0.7600	0.5175	0.6958
squash-stored	0.8000	0.1333	0.8000	0.6667	0.1393
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7846	0.2154	0.7846	0.0912	0.6804
steel-d	0.9744	0.0256	0.9744	0.4328	0.4212
steel_industry	0.8944	0.0704	0.8944	0.8287	0.2428
steel-k	0.9590	0.0410	0.9590	0.8693	0.2472
steel-o	0.6667	0.3333	0.6667	0.2036	0.8728
steel-p	0.9077	0.0923	0.9077	0.3872	0.6483
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.6154	0.2564	0.6154	0.3868	0.5042
student-weekend	0.3385	0.2646	0.3385	0.0029	0.6200
student-workday	0.6875	0.1250	0.6875	0.0016	0.2978
susy10%	0.7593	0.2407	0.7593	0.5039	0.6792
swarm_aligned	0.9968	0.0000	1.0000	0.9854	0.0000
swarm_flocking	1.0000	0.0000	0.9953	1.0000	0.0000
swarm_grouped	1.0000	0.0000	0.9757	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4558
Tdp_desc	0.6944	0.3056	0.6944	0.2774	0.7708
texture	0.9036	0.0175	0.9036	0.8938	0.0995
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.7494	0.2506	0.7494	0.0120	0.5441
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7059	0.1471	0.7059	0.6101	0.2560
toxicity	0.4706	0.5294	0.4706	-0.2047	1.0000
toxicity-13f	0.7059	0.2941	0.7059	0.4586	0.5193
trains	0.4949	0.5083	0.5099	0.0000	0.5247
transfusion	0.6667	0.3333	0.6667	-0.0540	0.9098
trec11-wc	0.7317	0.0596	0.7317	0.6741	0.2416
trec12-wc	0.8387	0.0403	0.8387	0.8084	0.1396

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7273	0.0909	0.7273	0.5225	0.2840
trec23-wc	0.8571	0.0476	0.8571	0.8031	0.1570
trec31-wc	0.9462	0.0154	0.9462	0.9292	0.0882
trec41-wc	0.9318	0.0136	0.9318	0.9165	0.0861
trec45-wc	0.8841	0.0232	0.8841	0.8653	0.0837
tuandromd	0.9787	0.0181	0.9774	0.9516	0.1630
turkish	0.8000	0.1000	0.8000	0.7333	0.2481
tvnews	0.8412	0.1588	0.8412	0.6486	0.5841
urban	0.8209	0.0398	0.8209	0.7895	0.1448
vehicle	0.7976	0.1012	0.7976	0.7244	0.2419
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.8333	0.1667	0.8333	0.5714	0.3522
vote	0.9070	0.0930	0.9070	0.8143	0.3926
vowel	0.3838	0.1120	0.3838	0.3222	0.3395
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9085	0.0915	0.9085	-0.0011	0.2550
wap-wc	0.1987	0.0801	0.1987	0.0997	0.3430
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.8871	0.0323	0.8871	0.8678	0.1221
watch-gyr10%	0.9094	0.0259	0.9094	0.8941	0.1178
waveform	0.7680	0.1547	0.7680	0.6521	0.4562
web-phishing	0.8519	0.0988	0.8519	0.7357	0.4026
weight-lift	0.6708	0.1317	0.6708	0.5858	0.2951
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0343
wilt	0.9876	0.0124	0.9876	0.8735	0.3108
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.5849	0.1384	0.5849	0.3251	0.3974
winequality-white	0.4765	0.1496	0.4765	0.0887	0.4100
winnipeg	0.8631	0.0442	0.8301	0.7836	0.0912
yale	0.6250	0.0500	0.6250	0.6000	0.0828
yeast	0.5405	0.0919	0.5405	0.4065	0.3301
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.7935	0.0413	0.7935	0.7684	0.2017
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 96: Detailed results for VadaBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1799	0.0566	0.1799	0.0860	0.3730
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9822	0.0178	0.9822	0.1447	0.3363
ads	0.9535	0.0273	0.9571	0.8806	0.2292
adult	0.8636	0.1364	0.8636	0.5828	0.5577
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7500	0.2500	0.7500	0.0357	0.7748
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8641	0.1359	0.8641	-0.0729	0.6742
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3547	0.8234
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9970	0.0030	0.9970	0.2557	0.0142
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.9231	0.0769	0.9231	0.7782	0.4168
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9735	0.0377
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9777	0.0056	0.9777	0.9634	0.0802
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0194
aps-failure	0.9900	0.0100	0.9900	0.6335	0.1827
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.7556	0.0376	0.7556	0.5844	0.1927
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.7991	0.0399
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6277	0.0621	0.6277	0.4590	0.2558
balance	0.7419	0.1720	0.7419	0.5668	0.4763
bank	0.9121	0.0879	0.9121	0.4904	0.5605
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8433	0.1567	0.8433	0.6356	0.4940
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9963	0.0037	0.9963	0.7505	0.1580
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9992	0.0000	1.0000	0.1496	0.3245
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.7273	0.2727	0.7273	0.4407	0.7677
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9110	0.0890	0.9110	0.0503	0.2615
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8841	0.1159	0.8841	0.7598	0.4723
cardiotocography	0.8545	0.0291	0.8545	0.8245	0.1583
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8253	0.1971
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5804	0.3864
cas_N6512_cdk_ECFP2	0.6267	0.3733	0.6267	0.2180	0.8065
cdc_diabetes	0.8481	0.1013	0.8481	0.1644	0.3037
census10%	0.9415	0.0475	0.9716	0.4318	0.3778
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.9006	0.0990
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8151	0.1776	0.7981	0.6219	0.6445
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6947	0.3053	0.6947	0.3408	0.8397
cirrhosis	0.7381	0.1746	0.7381	0.4665	0.4580
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8080	0.0872	0.8249	0.7328	0.3278
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5782	0.2812	0.5782	0.3349	0.6529
cnae-9	0.9555	0.0083	0.9705	0.9755	0.0409
codon_usage	0.6669	0.0606	0.6669	0.5866	0.2253
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1215	0.9927
colposcopies-2	0.7241	0.2759	0.7241	0.3696	0.7628
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.3029	0.8444
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6858	0.3405
connect-4	0.9849	0.0101	0.9849	0.5416	0.2199
cottonmeloidogyne	0.6635	0.3365	0.6635	0.3294	0.7880
coupon	0.7161	0.2839	0.7161	0.4138	0.8011
covtype	0.7135	0.0819	0.7135	0.5323	0.3315
covtypeCD	0.9891	0.0109	0.9891	0.9532	0.1215
covtypeT	0.9816	0.0184	0.9816	0.8544	0.2703
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8350	0.0550	0.8350	0.6140	0.2564
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3561	0.1282
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7778	0.2222	0.7778	0.5242	0.6246
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8260	0.1740	0.8260	0.3850	0.6279
deposit	0.9007	0.0993	0.9007	0.4356	0.5953
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4545	0.3797
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8421	0.1579	0.8421	0.6577	0.5480
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5665	0.2855	0.5721	0.1573	0.5488
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2174	0.9105
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5723	0.4277	0.5723	0.1407	0.9522
dropout	0.7449	0.1701	0.7449	0.5627	0.4777
drug-01	0.3936	0.1733	0.3936	0.0043	0.4484
drug-02	0.5106	0.1398	0.5106	0.0162	0.3673
drug-03	0.6755	0.0927	0.6755	-0.0121	0.2878
drug-04	0.5053	0.1413	0.5053	-0.0103	0.5354
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3989	0.1717	0.3989	0.2244	0.4237
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5532	0.1277	0.5532	0.0549	0.3889
drug-09	0.8511	0.0426	0.8511	-0.0204	0.3205
drug-10	0.5426	0.1307	0.5426	0.0234	0.3728
drug-11	0.8564	0.0410	0.8564	0.0630	0.1207
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5904	0.1170	0.5904	0.1933	0.3442
drug-14	0.5851	0.1185	0.5851	0.1434	0.4505
drug-15	0.7447	0.0729	0.7447	0.0377	0.2964
drug-16	0.5798	0.1201	0.5798	0.2887	0.4079
drug-17	0.3245	0.1930	0.3245	0.0015	0.3585
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0451	0.2099
drybean	0.9251	0.0214	0.9251	0.9093	0.1207
ecoli	0.8235	0.0441	0.8235	0.7560	0.1522
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1654	0.1043	0.1654	0.0273	0.3649
eeg-eye	0.6041	0.3959	0.6041	0.1340	0.6300
EPA_FHM	0.9672	0.0328	0.9672	0.7325	0.4349
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.5185	0.7271
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5294	0.6440
er_tox_rdkit_ATOMPAIR	0.9441	0.0327	0.9641	0.6507	0.5017
er_tox_rdkit_AVALON	0.9186	0.0655	0.9167	0.7019	0.4943
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9282	0.0478	0.9395	0.8869	0.2627
er_tox_rdkit_LAYERED	0.9382	0.0490	0.9445	0.8143	0.1444
er_tox_rdkit_MACCS	0.9313	0.0491	0.9488	0.5377	0.5643
er_tox_rdkit_MORGAN	0.9696	0.0474	0.9372	0.3849	0.5537
er_tox_rdkit_PATTERN	0.9560	0.0315	0.9918	0.8991	0.1227
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9311	0.0490	0.9497	0.0000	0.1299
eucalyptus	0.7397	0.1041	0.7397	0.6605	0.2628
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9237	0.0763	0.9237	0.8468	0.3578
fbis-wc	0.6341	0.0430	0.6341	0.5738	0.2105
fda.atompair_fp	0.7594	0.2260	0.7691	0.2252	0.3855
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5556	0.1891
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5354	0.0062	0.5333	0.5033	0.5456
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8670	0.0443	0.8670	0.8388	0.1227
gastrointestinal	0.6875	0.2083	0.6875	0.5031	0.5143
gender	0.5916	0.2723	0.5916	0.0116	0.3366
gene	0.9464	0.0358	0.9464	0.9142	0.1589
german	0.6900	0.3100	0.6900	0.1969	0.7441
gina	0.8329	0.1671	0.8329	0.6642	0.5412
glass	0.7619	0.0794	0.7619	0.6769	0.2763
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6803	0.5766
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6667	0.1667	0.6667	0.5342	0.2811
haberman	0.6667	0.3333	0.6667	-0.0135	0.9051
hapt	0.9533	0.0078	0.9533	0.9449	0.0611
har70	0.9291	0.0233	0.9221	0.8945	0.1204
harth10%	0.8507	0.0252	0.8316	0.8006	0.2120
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.4706	0.5294	0.4706	-0.1168	1.0000
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8667	0.1333	0.8667	0.7273	0.3522
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7843	0.2019	0.8039	0.5989	0.5737
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.5625	0.4474	0.5623	0.0484	0.5720
higher	0.2143	0.1964	0.2143	0.0667	0.3792
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9005	0.0995	0.9005	0.6096	0.5156
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6389	0.2407	0.6389	0.3545	0.6021
htru2	0.9777	0.0223	0.9777	0.8588	0.2314
ht-sensor	0.7480	0.1680	0.7480	0.6278	0.3610
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.1352	0.8563
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6418	0.0276	0.6418	0.6275	0.1857
jm1	0.8108	0.1892	0.8108	0.0696	0.4751
fvowels	0.8594	0.0312	0.8594	0.8408	0.1905
kc1	0.8768	0.1232	0.8768	0.3365	0.3867
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.3440	0.7669
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8499	0.0167	0.8499	0.8324	0.1830
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5063	0.1673	0.4954	0.3150	0.3156
la2s-wc	0.4853	0.1654	0.4892	0.2909	0.3292
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.7353	0.0132	0.7353	0.7223	0.0523
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	1.0000	0.0000	0.9840	0.9869	0.0000
letter	0.4440	0.0428	0.4440	0.4224	0.2702
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8611	0.0185	0.8611	0.8510	0.0500
linkage10%	0.9950	0.0001	1.0000	0.9696	0.0215
liver	0.7647	0.2353	0.7647	0.4868	0.7356
localization	0.5277	0.0859	0.5277	0.3811	0.3831
lrs	0.8491	0.0302	0.8491	0.7925	0.1012
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5038	0.4962	0.5038	0.0077	0.9977
magic04	0.8159	0.1841	0.8159	0.5575	0.5515

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7500	0.2500	0.7500	0.5019	0.7386
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7451	0.3738
messidor	0.5826	0.4174	0.5826	0.0596	0.7271
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0731
mfeat-fou	0.7500	0.0500	0.7500	0.7222	0.2134
mfeat-kar	0.8700	0.0260	0.8700	0.8556	0.1385
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1853
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-zer	0.6750	0.0650	0.6750	0.6389	0.2159
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4425
mobile	0.4347	0.0201	0.4470	0.4343	0.1976
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9758	0.0242	0.9758	0.9017	0.1226
mutagen_class_1	0.5882	0.4118	0.5882	0.1765	0.9350
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9806
mutagen_class_3	0.3961	0.5979	0.3984	-0.1919	1.0000
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7188
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3434	0.8529
MUT_ci300400a	0.6905	0.3095	0.6905	0.3904	0.7944
MUT_ci300400a_cdk_ECFP2	0.6127	0.3873	0.6127	0.0862	0.5678
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9862	0.0258	0.9512	0.9316	0.1607
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9302	0.0091	0.9311	0.7494	0.4452
newspop	0.5328	0.4672	0.5328	0.0011	0.5225
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9614	0.0386	0.9614	0.9046	0.2380
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0091	0.7303
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0673
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.7129	0.0574	0.7129	0.6649	0.1485
oh10-wc	0.5810	0.0838	0.5810	0.5115	0.2624
oh15-wc	0.5000	0.1000	0.5000	0.4337	0.2533
oh5-wc	0.6703	0.0659	0.6703	0.6231	0.1989
opn310k	0.9111	0.0889	0.9111	0.0474	0.2443
opnat310k-hg16-17	0.9114	0.0886	0.9114	0.0561	0.2496
optdigits	0.9662	0.0068	0.9662	0.9624	0.0449
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7500	0.0125	0.7500	0.7436	0.0509
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	0.1516	0.5272
ozone8hr	0.9249	0.0751	0.9249	0.2116	0.5304
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9854	0.0059	0.9854	0.9169	0.1082

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8762	0.1238	0.8762	0.6886	0.5413
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.3909	0.6055
pcmac	0.4742	0.5258	0.4742	-0.1161	1.0000
pd	0.9211	0.0789	0.9211	0.7966	0.4359
pediatric-leukemia	0.8235	0.0504	0.8235	0.7816	0.1214
pendigits	0.9909	0.0018	0.9909	0.9899	0.0171
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.7990	0.2010	0.7990	0.5404	0.6870
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9211
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6117	0.4472
Pgp_desc	0.7000	0.3000	0.7000	0.3478	0.8165
phishing	0.9759	0.0367	0.9466	0.9138	0.1917
phoneme	0.8315	0.1685	0.8315	0.6147	0.6242
phy	0.6302	0.3698	0.6302	0.2581	0.7676
pima	0.7500	0.2500	0.7500	0.4412	0.6999
plx	0.8333	0.1667	0.8333	0.5574	0.6304
poker	0.8342	0.0332	0.8342	0.6952	0.1916
polish-1st	0.9758	0.0242	0.9758	0.5308	0.0786
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	-0.0054	0.3653
polish-4th	0.9561	0.0439	0.9561	0.4216	0.4463
polish-5th	0.9509	0.0491	0.9509	0.4867	0.3443
polya	0.6508	0.3492	0.6508	0.0423	0.5859
popularity	0.6310	0.2460	0.6310	-0.0003	0.3070
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.7291	0.1084	0.7291	0.6608	0.2680
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8819
primary-tumor	0.4220	0.0531	0.4233	0.3508	0.2327
profb	0.7761	0.2239	0.7761	0.4475	0.7031
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9261	0.0296	0.9261	0.8998	0.1161
pufs-6410%	0.5021	0.4979	0.5021	0.0041	0.9980
raisin	0.8667	0.1333	0.8667	0.7333	0.5178
re0-wc	0.4667	0.0821	0.4667	0.1519	0.2622
re1-wc	0.5422	0.0366	0.5422	0.4543	0.1844
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5878	0.4122	0.5878	0.0005	0.6664
RT_IOT2022	0.9984	0.0003	0.9984	0.9959	0.0029
satimage	0.8383	0.0539	0.8383	0.7990	0.2126
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9269	0.0731	0.9269	0.5450	0.5285
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5294	0.4706	0.5294	0.0588	0.9712
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.7562	0.2438	0.7562	0.4846	0.6091
segment	0.9740	0.0074	0.9740	0.9696	0.0292
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9186	0.0814	0.9186	-0.0257	0.6227
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8632	0.1368	0.8632	0.0697	0.5660
sens-3-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sens-4-gram	0.8638	0.1463	0.8482	-0.0066	0.6681
sensorless	0.9942	0.0011	0.9942	0.9936	0.0115
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8775	0.1225	0.8775	0.4189	0.5748
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8149	0.2550
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9995	0.0044
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7554	0.0815	0.7554	0.6881	0.2250
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9413	0.0587	0.9413	0.8767	0.3004
spect	0.7885	0.2189	0.7726	0.2749	0.7970
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5849	0.0173	0.5849	0.5592	0.1135
splice-EI	0.9621	0.0379	0.9621	0.9005	0.2653
splice-IE	0.9401	0.0599	0.9401	0.8348	0.3664
sport-articles	0.8000	0.2000	0.8000	0.5804	0.6732
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8256	0.1744	0.8256	0.4555	0.7033
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8967	0.0689	0.8967	0.8325	0.2382
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7590	0.2410	0.7590	0.4020	0.6599
steel-p	0.9128	0.0872	0.9128	0.2773	0.6264
steel-s	0.9897	0.0103	0.9897	0.8697	0.2729
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1727	0.7770
student-weekend	0.4000	0.2400	0.4000	0.1301	0.6403
student-workday	0.7344	0.1062	0.7344	0.2343	0.2916
susy10%	0.7565	0.2435	0.7565	0.5044	0.7310
swarm_aligned	1.0000	0.0000	0.9972	1.0000	0.0000
swarm_flocking	0.9955	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6840
Tdp_desc	0.8889	0.1111	0.8889	0.6786	0.5467
texture	0.9636	0.0066	0.9636	0.9599	0.0468
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.3757	0.7025
Thyroid_Diff	0.8947	0.1053	0.8947	0.7441	0.4906
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8751	0.1249	0.8751	0.6465	0.5466
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6083	0.2070
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.4912	0.5076	0.5076	0.0000	0.5373
transfusion	0.7067	0.2933	0.7067	-0.0417	0.8614
trec11-wc	0.8780	0.0271	0.8780	0.8505	0.0796
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9659	0.0068	0.9659	0.9585	0.0447
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0248
tuandromd	0.9627	0.0178	0.9851	0.9359	0.1630
turkish	0.8500	0.0750	0.8500	0.8000	0.1732
tvnews	0.8112	0.1888	0.8112	0.6034	0.6516
urban	0.8358	0.0365	0.8358	0.8066	0.1400
vehicle	0.7500	0.1250	0.7500	0.6614	0.2294
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5960	0.0735	0.5960	0.5556	0.2339
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0011	0.2421
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9289	0.0203	0.9289	0.9167	0.0801
watch-gyr10%	0.9376	0.0178	0.9376	0.9271	0.0685
waveform	0.7480	0.1680	0.7480	0.6220	0.4884
web-phishing	0.8519	0.0988	0.8519	0.7345	0.3679
weight-lift	0.6953	0.1219	0.6953	0.6174	0.2627
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5975	0.1342	0.5975	0.3320	0.3593
winequality-white	0.5215	0.1367	0.5215	0.2391	0.5269
winnipeg	0.8267	0.0444	0.8402	0.7892	0.0907
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.5473	0.0905	0.5473	0.4227	0.3752
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.3410	0.5495
zip	0.7409	0.0518	0.7409	0.7090	0.2177
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 97: Detailed results for A\_Bagging

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1151	0.0610	0.1151	0.0097	0.4209
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9570	0.0269	0.9744	0.8959	0.2321
adult	0.8012	0.1988	0.8012	0.2282	0.3784
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.0000	0.5023
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.6667	0.3333	0.6667	0.0000	0.4644
anneal	0.7079	0.1169	0.7079	0.0000	0.2204
antivirus	0.8108	0.1892	0.8108	0.0000	0.3405
anuran-family	0.6189	0.1905	0.6189	0.0142	0.2476
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.5772	0.1057	0.5772	0.0000	0.2370
anuran-species	0.4958	0.1008	0.4958	0.0428	0.2807
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.4000	0.6000	0.4000	0.0000	0.5239
arrhythmia	0.5556	0.0684	0.5556	0.0000	0.2376
auction	0.9167	0.0833	0.9167	0.4802	0.2031
audiology	0.4348	0.0471	0.4348	0.2830	0.1995
audit-risk	0.8974	0.1026	0.8974	0.7760	0.2880
autism-adolescent	0.6364	0.3636	0.6364	0.0000	0.4822
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	0.5172	0.4828	0.5172	0.0000	0.5257
autos	0.3000	0.2333	0.3000	0.0000	0.3345
avila	0.6445	0.0593	0.6445	0.5024	0.4240
balance	0.8226	0.1183	0.8226	0.6644	0.2430
bank	0.8920	0.1080	0.8920	0.2361	0.5628
banknote	0.5547	0.4453	0.5547	0.0000	0.5166

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.8410	0.1590	0.8410	0.6241	0.4373
basehock	0.8643	0.1357	0.8643	0.7283	0.4277
bio	0.9911	0.0089	0.9911	0.0000	0.0350
biodeg	0.6190	0.3810	0.6190	0.0000	0.4912
biomed	0.6190	0.3810	0.6190	0.0000	0.4912
bitcoin10%	0.9989	0.0000	0.9849	0.1476	0.3348
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.5455	0.4545	0.5455	0.0000	0.5193
breast-cancer-ma	0.5455	0.4545	0.5455	0.0000	0.5193
breast-tissue	0.2727	0.2424	0.2727	0.0000	0.3750
bridges	0.5000	0.1429	0.5000	0.0000	0.2906
bub10at310k-hg16-17	0.9159	0.0841	0.9159	0.2052	0.4112
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.0000	0.3723
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.6522	0.3478	0.6522	0.0000	0.4732
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.8406	0.1594	0.8406	0.6804	0.5638
cardiotocography	0.5023	0.0995	0.5023	0.3558	0.2818
cardiotocography-nsp	0.7793	0.1471	0.7793	0.0000	0.2332
cargo2k	0.9518	0.0321	0.9518	0.9277	0.1279
cars	0.6250	0.2500	0.6250	0.0000	0.3255
cas_N6512_cdk_ECFP2	0.6052	0.3948	0.6052	0.1877	0.9068
cdc_diabetes	0.8427	0.1049	0.8427	0.0054	0.1787
census10%	0.9506	0.0459	0.9443	0.4266	0.3652
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.6279	0.3721	0.6279	0.0000	0.4867
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.8056	0.1811	0.8263	0.6138	0.6259
ci200186m_DESC_PADEL	0.6296	0.3704	0.6296	0.0000	0.4858
ci200186m_ExtendedFingerprinter	0.6909	0.3091	0.6909	0.1834	0.4603
ci900367j_MACCS	0.6316	0.3684	0.6316	0.0470	0.6198
cirrhosis	0.5952	0.2698	0.5952	0.0654	0.2999
cjs	0.9321	0.0226	0.9321	0.9172	0.0837
ckd	0.6500	0.3500	0.6500	0.0000	0.4745
clave	0.8136	0.0872	0.8198	0.7349	0.3234
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.3333	0.4444	0.3333	0.0000	0.3838
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.4762	0.3492	0.4762	0.1152	0.5925
cnae-9	0.9434	0.0083	0.9780	0.9565	0.0415
codon_usage	0.4413	0.1016	0.4413	0.3026	0.3598
coil20	0.1528	0.0847	0.1528	0.1090	0.3687
collins	0.3600	0.0853	0.3600	0.2464	0.2815
colon-tumor	0.6667	0.3333	0.6667	0.0000	0.4644
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.5862	0.4138	0.5862	0.0000	0.5057
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7931	0.2069	0.7931	0.5817	0.5977
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.6774	0.3226	0.6774	0.0000	0.4574
column-3c	0.4839	0.3441	0.4839	0.0000	0.3769
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.6130	0.3870	0.6130	0.2308	0.7040
coupon	0.6585	0.3415	0.6585	0.2696	0.8348
covtype	0.6351	0.1043	0.6351	0.3817	0.3631
covtypeCD	0.8633	0.1367	0.8633	0.0000	0.2765
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.6922	0.1026	0.6922	0.0000	0.2116
cryotherapy	0.5556	0.4444	0.5556	0.0000	0.5164
cultivars	0.0312	0.0484	0.0312	0.0000	0.3214
cyclopentane	0.5556	0.4444	0.5556	0.0000	0.5164
cylinder-bands	0.5556	0.4444	0.5556	-0.0368	0.7027
darwin	0.5000	0.5000	0.5000	0.0000	0.5283
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.7870	0.2130	0.7870	0.0751	0.4698
deposit	0.8839	0.1161	0.8839	0.3750	0.6624
dermatology	0.2973	0.2342	0.2973	0.0000	0.3667
desharnais	0.6250	0.2500	0.6250	0.0000	0.3193
dexter	0.5000	0.5000	0.5000	0.0000	0.5283
dhfr_cdk_ECFP2	0.6053	0.3947	0.6053	0.0000	0.4977
diabetes	0.6154	0.3846	0.6154	0.0000	0.4929
diabetic10%	0.5825	0.2858	0.5919	0.1577	0.5281
diagnosis	0.5833	0.4167	0.5833	0.0000	0.5068
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.4000	0.6000	0.4000	0.0000	0.5239
dota2	0.5436	0.4564	0.5436	0.0474	0.8207
dropout	0.6975	0.2017	0.6975	0.4946	0.4107
drug-01	0.3457	0.1869	0.3457	0.0349	0.5601
drug-02	0.5160	0.1383	0.5160	0.0533	0.3626
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5266	0.1353	0.5266	0.0462	0.4072
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3351	0.1900	0.3351	0.1803	0.6781
drug-07	0.3617	0.1824	0.3617	-0.0232	0.4751
drug-08	0.5532	0.1277	0.5532	0.0334	0.3120
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5798	0.1201	0.5798	0.0000	0.2556
drug-14	0.5691	0.1231	0.5691	0.0000	0.2602
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5160	0.1383	0.5160	0.0803	0.3739
drug-17	0.2500	0.2143	0.2500	0.0085	0.6064
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	0.0074	0.2125
drybean	0.7994	0.0573	0.7994	0.7555	0.2074
ecoli	0.4412	0.1397	0.4412	0.0000	0.2765
ecoliCP-IM	0.6364	0.3636	0.6364	0.0000	0.4822

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.7576	0.2424	0.7576	0.0000	0.3942
ecoliMU	0.9091	0.0909	0.9091	0.0000	0.2092
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.2622	0.0922	0.2622	0.1697	0.5620
eeg-eye	0.6168	0.3832	0.6168	0.2467	0.8801
EPA_FHM	0.9344	0.0656	0.9344	0.0000	0.1655
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.0000	0.4929
er_tox_cdk_ECFP2	0.6500	0.3500	0.6500	0.0000	0.4745
er_tox_rdkit_ATOMPAIR	0.9629	0.0328	0.9466	0.6335	0.4950
er_tox_rdkit_AVALON	0.9112	0.0654	0.9399	0.7230	0.4812
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.9697	0.0478	0.9566	0.8880	0.2539
er_tox_rdkit_LAYERED	0.9359	0.0480	0.9352	0.7966	0.1439
er_tox_rdkit_MACCS	0.9710	0.0489	0.9474	0.5408	0.5847
er_tox_rdkit_MORGAN	0.9358	0.0483	0.9381	0.3740	0.5718
er_tox_rdkit_PATTERN	0.9915	0.0321	0.9601	0.9425	0.1255
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.0000	0.4380
er_tox_rdkit_TORSION	0.9545	0.0496	0.9433	0.0000	0.1299
eucalyptus	0.4521	0.2192	0.4521	0.2392	0.3361
euthyroid	0.9019	0.0981	0.9019	0.0000	0.2206
exon.vs.intron-freq	0.5344	0.4656	0.5344	0.0168	0.5275
fbis-wc	0.3618	0.0751	0.3618	0.2061	0.3096
fda.atompair_fp	0.7789	0.2289	0.7559	0.2199	0.3806
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.3000	0.1750	0.3000	0.0000	0.3283
fontaine_MACCS	0.6364	0.3636	0.6364	0.0000	0.4822
fonts10%	0.5342	0.0061	0.5363	0.5154	0.5402
forest	0.3462	0.3269	0.3462	0.0307	0.3774
gas	0.5651	0.1450	0.5651	0.4614	0.4204
gastrointestinal	0.5000	0.3333	0.5000	0.0000	0.3718
gender	0.4063	0.3958	0.4063	0.0231	0.6954
gene	0.6530	0.2313	0.6530	0.3603	0.4341
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.7983	0.2017	0.7983	0.5988	0.5687
glass	0.3333	0.2222	0.3333	0.0000	0.3216
glassBWFP	0.6190	0.3810	0.6190	0.0000	0.4912
glassBWNFP	0.6667	0.3333	0.6667	0.0000	0.4644
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.3750	0.6250	0.3750	0.0000	0.5170
glassNW	0.7619	0.2381	0.7619	0.0000	0.3902
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.4000	0.3000	0.4000	0.0000	0.3039
glioma-grade	0.7381	0.2619	0.7381	0.4286	0.6958
green	0.7000	0.3000	0.7000	0.0000	0.4416
GREY_MAO_DESC_PADEL	0.5714	0.4286	0.5714	0.0000	0.5112
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.3333	0.3333	0.3333	0.0000	0.3817
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.4675	0.0887	0.4675	0.3590	0.2256
har70	0.9092	0.0226	0.9351	0.8928	0.1192
harth10%	0.8290	0.0258	0.8613	0.7956	0.2041
hayes-roth	0.4375	0.3750	0.4375	0.0000	0.3849
hcc-survival	0.5882	0.4118	0.5882	0.0000	0.5049
heart	0.5926	0.4074	0.5926	0.0000	0.5031
heart-c	0.5333	0.4667	0.5333	0.0000	0.5223
hepatitis	0.8000	0.2000	0.8000	0.0000	0.3522

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7758	0.2033	0.7783	0.5901	0.5908
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.7692	0.2308	0.7692	0.0000	0.3833
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.5640	0.4490	0.5577	0.0483	0.5828
higher	0.2143	0.1964	0.2143	0.0000	0.3747
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.5278	0.3148	0.5278	0.0000	0.3606
htru2	0.9084	0.0916	0.9084	0.0000	0.2103
ht-sensor	0.4486	0.3676	0.4486	0.1384	0.5835
hypothyroid	0.9390	0.0305	0.9390	0.6137	0.1741
hypothyroidT	0.9814	0.0186	0.9814	0.8530	0.0662
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.8000	0.2000	0.8000	0.4394	0.3785
iris	0.4000	0.4000	0.4000	0.0000	0.4035
irish	0.5600	0.4400	0.5600	0.0000	0.5150
isolet	0.2067	0.0610	0.2067	0.1749	0.3871
jm1	0.8035	0.1965	0.8035	0.1341	0.6829
fvowels	0.3986	0.1336	0.3986	0.3176	0.3988
kc1	0.8436	0.1564	0.8436	0.0000	0.3019
kc1-class-level-defectiveornot	0.6000	0.4000	0.6000	0.0000	0.5000
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.0000	0.1526
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.0000	0.3643
kidney-disease	0.6250	0.3750	0.6250	0.0000	0.4882
krkopt	0.2973	0.0781	0.2973	0.1850	0.4916
krvskp	0.9279	0.0721	0.9279	0.8553	0.3420
la1s-wc	0.5074	0.1644	0.5039	0.3165	0.3214
la2s-wc	0.5004	0.1691	0.4893	0.2893	0.3342
labor	0.6667	0.3333	0.6667	0.0000	0.4644
leaf	0.0588	0.0471	0.0588	0.0242	0.2931
led24	0.1500	0.1700	0.1500	0.0000	0.3774
lenses	0.9818	0.0000	1.0000	0.9942	0.0000
letter	0.3635	0.0490	0.3635	0.3376	0.4136
leukemia	0.4286	0.3810	0.4286	0.0000	0.3980
leukemia2	0.5714	0.4286	0.5714	0.0000	0.5112
libra	0.0833	0.1222	0.0833	0.0286	0.4019
linkage10%	0.9854	0.0001	0.9897	0.9719	0.0211
liver	0.6765	0.3235	0.6765	0.0000	0.4580
localization	0.4763	0.0952	0.4763	0.2987	0.4093
lrs	0.3962	0.1208	0.3962	0.0000	0.2643
lsvt	0.6923	0.3077	0.6923	0.0000	0.4472
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7000	0.1200	0.7000	0.0000	0.2315
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.0000	0.3145
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.5556	0.4444	0.5556	0.0000	0.5164
lymphography	0.5714	0.2143	0.5714	0.0000	0.2456
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.5808	0.4192	0.5808	0.1615	0.9431
magic04	0.4850	0.5150	0.4850	0.1507	0.5654

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6402	0.5767
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.4158	0.3894	0.4158	0.0347	0.4000
messidor	0.6261	0.3739	0.6261	0.2082	0.8868
meter-A	0.6250	0.3750	0.6250	0.0000	0.4882
meter-B	0.4444	0.3704	0.4444	0.0000	0.3901
meter-C	0.3333	0.3333	0.3333	0.0000	0.3773
meter-D	0.3333	0.3333	0.3333	0.0000	0.3773
mfeat-fac	0.3600	0.1280	0.3600	0.2889	0.4160
mfeat-fou	0.3100	0.1380	0.3100	0.2333	0.4430
mfeat-kar	0.3650	0.1270	0.3650	0.2944	0.4712
mfeat-mor	0.2850	0.1430	0.2850	0.2056	0.3857
mfeat-pix	0.5150	0.0970	0.5150	0.4611	0.3462
mfeat-zer	0.4200	0.1160	0.4200	0.3556	0.4187
mice-prot	0.2315	0.1921	0.2315	0.1150	0.4741
mines	0.2059	0.3176	0.2059	0.0000	0.3999
mobile	0.4345	0.0202	0.4405	0.4429	0.2033
monks-1	0.6909	0.3091	0.6909	0.3746	0.4896
monks-2	0.6557	0.3443	0.6557	0.0000	0.4711
monks-3	0.6250	0.3750	0.6250	0.2283	0.5081
mushroom	0.5437	0.4563	0.5437	0.0624	0.8162
musk	0.8455	0.1545	0.8455	0.0000	0.2996
mutagen_class_1	0.4559	0.5441	0.4559	-0.0882	0.9454
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.6591
mutagen_class_3	0.4034	0.5797	0.4011	-0.1925	1.0000
mutagens_ExtendedFingerprinter	0.6324	0.3676	0.6324	0.2647	0.5095
MUT_ci034254q_MACCS	0.5410	0.4590	0.5410	0.0000	0.5205
MUT_ci300400a	0.6604	0.3396	0.6604	0.3312	0.8331
MUT_ci300400a_cdk_ECFP2	0.6427	0.3573	0.6427	0.3227	0.7548
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.9557	0.0247	0.9867	0.9564	0.1547
nci9	0.1667	0.1852	0.1667	0.0000	0.3342
ncRNA10%	0.9311	0.0094	0.9338	0.7439	0.4315
newspop	0.5936	0.4064	0.5936	0.1595	0.8777
new-thyroid	0.7143	0.1905	0.7143	0.0000	0.2774
new-thyroidT	0.8571	0.1429	0.8571	0.0000	0.2846
NHANES_age_prediction	0.9956	0.0044	0.9956	0.9833	0.0224
nomao	0.8256	0.1744	0.8256	0.4797	0.3891
NPHA-doctor-visits	0.5139	0.3241	0.5139	-0.0223	0.4554
nursery	0.8488	0.0605	0.8488	0.7761	0.1582
obs	0.4630	0.2685	0.4630	0.0000	0.3435
occupancy	0.7690	0.2310	0.7690	0.0000	0.3835
Occupancy_Estimation	0.8124	0.0938	0.8124	0.0000	0.1814
oh0-wc	0.4059	0.1188	0.4059	0.2799	0.2858
oh10-wc	0.2571	0.1486	0.2571	0.1136	0.3956
oh15-wc	0.2717	0.1457	0.2717	0.1259	0.3687
oh5-wc	0.5385	0.0923	0.5385	0.4633	0.2868
opn310k	0.9101	0.0899	0.9101	0.0339	0.2632
opnat310k-hg16-17	0.9162	0.0838	0.9162	0.1550	0.2790
optdigits	0.3363	0.1327	0.3363	0.2651	0.4004
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.0250	0.0488	0.0250	0.0000	0.3415
orlraws10P	0.1000	0.1800	0.1000	0.0000	0.4073
ovarian-cancer	0.6400	0.3600	0.6400	0.0000	0.4802
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9031	0.0388	0.9031	0.0000	0.0975

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9583	0.0417	0.9583	0.9146	0.2357
parkinsons	0.7368	0.2632	0.7368	0.0000	0.4125
particle	0.8666	0.1334	0.8666	0.6528	0.5479
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.7500	0.2500	0.7500	0.0000	0.4011
pediatric-leukemia	0.4412	0.1597	0.4412	0.2692	0.2882
pendigits	0.3840	0.1232	0.3840	0.3170	0.3984
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.7062	0.2938	0.7062	0.1724	0.4475
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.8203
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7143	0.2857	0.7143	0.4083	0.6316
P-Glycoprotein_RDkit_AtomPair_FP	0.5500	0.4500	0.5500	0.0000	0.5180
Pgp_desc	0.6000	0.4000	0.6000	0.0000	0.5000
phishing	0.9486	0.0372	0.9418	0.9059	0.1986
phoneme	0.7444	0.2556	0.7444	0.1395	0.4548
phy	0.6408	0.3592	0.6408	0.2817	0.8893
pima	0.6579	0.3421	0.6579	0.2583	0.8774
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.4346	0.1131	0.4346	0.0205	0.2729
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.6951	0.3049	0.6951	0.2047	0.6390
popularity	0.6144	0.2571	0.6144	0.0417	0.5662
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.4274	0.2290	0.4274	0.2839	0.4461
pred-tox_mutagen_ref-desc	0.5147	0.4853	0.5147	0.0294	0.5273
primary-tumor	0.4270	0.0513	0.4345	0.3422	0.2277
profb	0.6716	0.3284	0.6716	0.0000	0.4612
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.5714	0.4286	0.5714	0.0000	0.5112
prostate_GE	0.4545	0.5455	0.4545	0.0000	0.5306
puc-rio	0.4679	0.2128	0.4679	0.2861	0.3388
pufs-6410%	0.5026	0.4974	0.5026	0.0051	0.9856
raisin	0.8333	0.1667	0.8333	0.6667	0.5451
re0-wc	0.4000	0.0923	0.4000	0.0000	0.2839
re1-wc	0.3434	0.0525	0.3434	0.1602	0.3112
rejafada	0.9648	0.0352	0.9648	0.0000	0.1039
relathe	0.5423	0.4577	0.5423	0.0000	0.5201
rnaseq	0.3750	0.2500	0.3750	0.0000	0.3593
rocket	0.5835	0.4165	0.5835	0.1352	0.9448
RT_IOT2022	0.7689	0.0385	0.7689	0.0000	0.1480
satimage	0.6485	0.1172	0.6485	0.5730	0.3109
satimageF	0.8911	0.1089	0.8911	0.0000	0.2371
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.4286	0.1633	0.4286	0.0000	0.2912
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.5000	0.5000	0.5000	0.0000	0.5283
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.5939	0.4061	0.5939	0.1897	0.9249
segment	0.4675	0.1521	0.4675	0.3764	0.3251
segmentO	0.8528	0.1472	0.8528	0.0000	0.2903

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8566	0.1520	0.8340	-0.0065	0.6577
sensorless	0.7725	0.0414	0.7725	0.7497	0.1910
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8897	0.1103	0.8897	0.4696	0.5006
shuttle	0.7859	0.0612	0.7859	0.0000	0.1287
sick	0.9337	0.0663	0.9337	0.0000	0.1669
sirtuin6	0.5000	0.5000	0.5000	0.0000	0.5283
skin	0.7923	0.2077	0.7923	0.0000	0.3603
smk_can_187	0.4737	0.5263	0.4737	0.0000	0.5305
solar-flare	0.7338	0.0887	0.7338	0.6553	0.1976
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.2353	0.0805	0.2353	0.1202	0.3340
spambase	0.9152	0.0848	0.9152	0.8202	0.3754
spect	0.7689	0.2261	0.7588	0.2733	0.7661
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.1132	0.0369	0.1132	0.0434	0.3262
splice-EI	0.7476	0.2524	0.7476	0.0000	0.4032
splice-IE	0.8644	0.1356	0.8644	0.5620	0.4902
sport-articles	0.7800	0.2200	0.7800	0.5623	0.6400
squash-stored	0.4000	0.4000	0.4000	0.0000	0.3928
squash-unstored	0.4000	0.4000	0.4000	0.0000	0.2619
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.8519	0.0987	0.8519	0.7557	0.2903
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6923	0.3077	0.6923	0.2028	0.7459
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.3846	0.4103	0.3846	0.0000	0.4010
student-weekend	0.3846	0.2462	0.3846	0.0000	0.3498
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7215	0.2785	0.7215	0.4457	0.7792
swarm_aligned	1.0000	0.0000	1.0000	0.9865	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	0.9797	0.0000	0.9759	0.9866	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.4167
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.2945	0.1283	0.2945	0.2212	0.3612
theorem	0.5941	0.4059	0.5941	0.0318	0.5044
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.6632	0.3368	0.6632	0.0000	0.4666
tis	0.7524	0.2476	0.7524	0.0000	0.3989
titanic	0.6773	0.3227	0.6773	0.0000	0.4575
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.2353	0.3824	0.2353	0.0000	0.4051
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5060	0.4962	0.5024	0.0000	0.5303
transfusion	0.7600	0.2400	0.7600	0.0000	0.3920
trec11-wc	0.3171	0.1518	0.3171	0.0000	0.3354
trec12-wc	0.2903	0.1774	0.2903	0.0000	0.3607

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.4286	0.1905	0.4286	0.0000	0.3116
trec31-wc	0.3763	0.1782	0.3763	0.0000	0.3066
trec41-wc	0.4432	0.1114	0.4432	0.2467	0.2705
trec45-wc	0.5217	0.0957	0.5217	0.3997	0.2665
tuandromd	0.9756	0.0183	0.9835	0.9338	0.1604
turkish	0.3750	0.3125	0.3750	0.1667	0.5136
tvnews	0.6664	0.3336	0.6664	0.3795	0.6730
urban	0.4627	0.1194	0.4627	0.3442	0.2782
vehicle	0.5238	0.2381	0.5238	0.3387	0.5246
vehicleVAN	0.7500	0.2500	0.7500	0.0000	0.4011
voice	0.6667	0.3333	0.6667	0.0000	0.4644
vote	0.4884	0.5116	0.4884	0.0000	0.5296
vowel	0.2121	0.1433	0.2121	0.1333	0.3449
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.2179	0.0782	0.2179	0.0000	0.3484
warpar10p	0.0769	0.1846	0.0769	0.0000	0.4033
warppie10p	0.0952	0.1810	0.0952	0.0000	0.3698
watch-acc10%	0.4467	0.1581	0.4467	0.3498	0.3582
watch-gyr10%	0.7020	0.0851	0.7020	0.6526	0.3150
waveform	0.6720	0.2187	0.6720	0.5076	0.4740
web-phishing	0.7926	0.1383	0.7926	0.6050	0.3370
weight-lift	0.2994	0.2803	0.2994	0.0607	0.5015
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.6900	0.1550	0.6900	0.5867	0.2381
wilt	0.9503	0.0497	0.9503	0.0000	0.1349
wine	0.5882	0.2745	0.5882	0.0000	0.3414
winequality-red	0.4843	0.1719	0.4843	0.1281	0.3690
winequality-white	0.4969	0.1437	0.4969	0.1979	0.3487
winnipeg	0.8497	0.0433	0.8505	0.8026	0.0902
yale	0.0625	0.1250	0.0625	0.0000	0.4106
yeast	0.2905	0.1419	0.2905	0.0406	0.3804
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.4946	0.1011	0.4946	0.4419	0.3487
zoo	0.3000	0.2000	0.3000	0.0000	0.3070



Table 98: Detailed results for LocalBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1679	0.0574	0.1679	0.0719	0.3666
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9825	0.0175	0.9825	0.0650	0.1579
ads	0.9841	0.0269	0.9574	0.9018	0.2334
adult	0.8299	0.1701	0.8299	0.3760	0.3503
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3273	0.8564
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9980	0.0020	0.9980	0.6114	0.0099
AID604AID644_AllRed	0.9992	0.0008	0.9992	0.2855	0.0047
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7000	0.3000	0.7000	0.2105	0.8520
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9791	0.0104	0.9791	0.9600	0.0580
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9588	0.0817
anuran-species	0.9819	0.0036	0.9819	0.9749	0.0344
aps-failure	0.9908	0.0092	0.9908	0.6774	0.2066
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7111	0.0444	0.7111	0.4909	0.2049
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6152	0.0641	0.6152	0.4449	0.2566
balance	0.7581	0.1613	0.7581	0.5935	0.3989
bank	0.9087	0.0913	0.9087	0.4015	0.5067
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8410	0.1590	0.8410	0.6218	0.4031
basehock	0.9598	0.0402	0.9598	0.9196	0.2061
bio	0.9966	0.0034	0.9966	0.7766	0.1379
biodeg	0.8667	0.1333	0.8667	0.7173	0.5345
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	1.0000	0.0000	1.0000	0.1491	0.3358
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.7273	0.2727	0.7273	0.4407	0.7677
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1601
bub10at310k-hg16-17	0.9114	0.0886	0.9114	0.0560	0.2553
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9828	0.0086	0.9828	0.9627	0.0483
card	0.8406	0.1594	0.8406	0.6744	0.5874
cardiotocography	0.8263	0.0347	0.8263	0.7903	0.1768
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8149	0.2714
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7213	0.3423
cas_N6512_cdk_ECFP2	0.5822	0.4178	0.5822	0.1027	0.6156
cdc_diabetes	0.8484	0.1010	0.8484	0.1486	0.2887
census10%	0.9366	0.0468	0.9754	0.4342	0.3704
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9419	0.0581	0.9419	0.5169	0.5762
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9970	0.0002	1.0000	0.8724	0.0695
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8167	0.1850	0.8235	0.6154	0.6468
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6716	0.5255
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3455	0.8195
cirrhosis	0.7143	0.1905	0.7143	0.3971	0.3940
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8272	0.0906	0.8205	0.7312	0.3144
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.9200	0.0800	0.9200	0.3103	0.1938
cmc	0.5782	0.2812	0.5782	0.3433	0.6837
cnae-9	0.9546	0.0082	0.9814	0.9676	0.0404
codon_usage	0.6109	0.0707	0.6109	0.5188	0.2100
coil20	0.9722	0.0028	0.9722	0.9708	0.0174
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	-0.0680	0.9793
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6207	0.3793	0.6207	0.2084	0.9148
colposcopies-4	0.6897	0.3103	0.6897	0.1212	0.8758

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9960	0.0027	0.9960	0.9060	0.0327
cottonmeloidogyne	0.5457	0.4543	0.5457	0.0836	0.6246
coupon	0.7327	0.2673	0.7327	0.4456	0.7736
covtype	0.7101	0.0828	0.7101	0.5273	0.3456
covtypeCD	0.9876	0.0124	0.9876	0.9461	0.1057
covtypeT	0.9808	0.0192	0.9808	0.8469	0.2696
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8166	0.0611	0.8166	0.5498	0.2163
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5625	0.0219	0.5625	0.5497	0.0718
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8233	0.1767	0.8233	0.3613	0.6150
deposit	0.8943	0.1057	0.8943	0.2349	0.4578
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5820	0.2832	0.5829	0.1545	0.5284
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.5833	0.4167	0.5833	0.1429	0.9438
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5951	0.4049	0.5951	0.1793	0.9263
dropout	0.7246	0.1836	0.7246	0.5231	0.4820
drug-01	0.4043	0.1702	0.4043	0.0197	0.3697
drug-02	0.5106	0.1398	0.5106	0.0118	0.3668
drug-03	0.6755	0.0927	0.6755	0.0168	0.3025
drug-04	0.5266	0.1353	0.5266	0.0244	0.4306
drug-05	0.7340	0.0760	0.7340	0.0379	0.2588
drug-06	0.3936	0.1733	0.3936	0.2182	0.4313
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5479	0.1292	0.5479	0.0346	0.4120
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5426	0.1307	0.5426	0.0240	0.3471
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7819	0.0623	0.7819	-0.0138	0.2921
drug-13	0.6277	0.1064	0.6277	0.2768	0.3470
drug-14	0.6011	0.1140	0.6011	0.1838	0.4251
drug-15	0.7660	0.0669	0.7660	0.0819	0.1860
drug-16	0.5745	0.1216	0.5745	0.2887	0.3606
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7660	0.0669	0.7660	0.0097	0.2827
drybean	0.9346	0.0187	0.9346	0.9208	0.1076
ecoli	0.8235	0.0441	0.8235	0.7560	0.1522
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.5692	0.6280
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1668	0.1042	0.1668	0.0294	0.3772
eeg-eye	0.5915	0.4085	0.5915	0.1000	0.5505
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2066	0.7811
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.5984	0.4904
er_tox_rdkit_ATOMPAIR	0.9473	0.0322	0.9605	0.6468	0.4973
er_tox_rdkit_AVALON	0.9202	0.0654	0.9560	0.7059	0.4879
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6617	0.5586
er_tox_rdkit_FEATMORGAN	0.9719	0.0478	0.9733	0.8834	0.2650
er_tox_rdkit_LAYERED	0.9557	0.0496	0.9635	0.8054	0.1471
er_tox_rdkit_MACCS	0.9530	0.0473	0.9368	0.5563	0.5860
er_tox_rdkit_MORGAN	0.9489	0.0475	0.9534	0.3710	0.5747
er_tox_rdkit_PATTERN	0.9897	0.0316	0.9490	0.9155	0.1267
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6395	0.5945
er_tox_rdkit_TORSION	0.9547	0.0489	0.9389	0.0000	0.1329
eucalyptus	0.6849	0.1260	0.6849	0.5843	0.2912
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9658	0.0220	0.9987	0.9531	0.1381
fbis-wc	0.6341	0.0430	0.6341	0.5746	0.2217
fda.atompair_fp	0.7598	0.2264	0.7772	0.2245	0.3956
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4888	0.2267
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.5246	0.0062	0.5236	0.5190	0.5639
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8073	0.0642	0.8073	0.7665	0.1796
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5895	0.2737	0.5895	0.0078	0.3919
gene	0.9369	0.0421	0.9369	0.8992	0.1887
german	0.6700	0.3300	0.6700	0.1033	0.6724
gina	0.8473	0.1527	0.8473	0.6934	0.5320
glass	0.7619	0.0794	0.7619	0.6769	0.2763
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8929	0.1071	0.8929	0.7805	0.4593
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1718	0.6297
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9442	0.0093	0.9442	0.9341	0.0787
har70	0.9148	0.0229	0.9143	0.8614	0.1195
harth10%	0.8428	0.0254	0.8329	0.7788	0.2030
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8035	0.2020	0.8137	0.5988	0.5897
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5600	0.4557	0.5484	0.0479	0.5877
higher	0.2143	0.1964	0.2143	0.0994	0.3397
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8971	0.1029	0.8971	0.5855	0.5103
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.5000	0.3333	0.5000	0.0690	0.7317
htru2	0.9804	0.0196	0.9804	0.8768	0.2034
ht-sensor	0.7498	0.1668	0.7498	0.6303	0.3690
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5969	0.0310	0.5969	0.5808	0.2030
jm1	0.8108	0.1892	0.8108	0.0644	0.4594
fvowels	0.8363	0.0364	0.8363	0.8144	0.2110
kc1	0.8626	0.1374	0.8626	0.2727	0.5332
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1250	0.1457
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2020	0.8009
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8553	0.0161	0.8553	0.8384	0.1821
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5022	0.1677	0.5045	0.3230	0.3166
la2s-wc	0.4959	0.1698	0.5023	0.2877	0.3408
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.8529	0.0074	0.8529	0.8456	0.0268
led24	0.5500	0.0900	0.5500	0.4930	0.1948
lenses	0.9881	0.0000	0.9917	1.0000	0.0000
letter	0.4310	0.0438	0.4310	0.4097	0.2781
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8611	0.0185	0.8611	0.8507	0.0523
linkage10%	1.0000	0.0001	1.0000	0.9845	0.0208
liver	0.5882	0.4118	0.5882	0.0124	0.9519
localization	0.5315	0.0852	0.5315	0.3848	0.3932
lrs	0.8868	0.0226	0.8868	0.8427	0.0802
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1721
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8525	0.0000
madelon	0.4923	0.5077	0.4923	-0.0154	0.9456
magic04	0.7833	0.2167	0.7833	0.4524	0.4861

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7138	0.3856
messidor	0.6174	0.3826	0.6174	0.2782	0.7403
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0770
mfeat-fou	0.7700	0.0460	0.7700	0.7444	0.1794
mfeat-kar	0.8000	0.0400	0.8000	0.7778	0.1630
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2053
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0537
mfeat-zer	0.6800	0.0640	0.6800	0.6444	0.2039
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4133
mobile	0.4511	0.0197	0.4530	0.4266	0.1981
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9515	0.0485	0.9515	0.7965	0.2705
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9569
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.8625
mutagen_class_3	0.4106	0.5927	0.4000	-0.1892	1.0000
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.6830
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.5035	0.7446
MUT_ci300400a	0.6065	0.3935	0.6065	0.0899	0.5720
MUT_ci300400a_cdk_ECFP2	0.5935	0.4065	0.5935	0.0318	0.5457
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9811	0.0254	0.9910	0.9690	0.1557
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9207	0.0091	0.9244	0.7602	0.4449
newspop	0.5323	0.4677	0.5323	0.0001	0.5331
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9530	0.0470	0.9530	0.8834	0.2720
NPHA-doctor-visits	0.4444	0.3704	0.4444	-0.0245	0.7848
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0835
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.6634	0.0673	0.6634	0.6047	0.1684
oh10-wc	0.5619	0.0876	0.5619	0.4896	0.2427
oh15-wc	0.4565	0.1087	0.4565	0.3630	0.2505
oh5-wc	0.5275	0.0945	0.5275	0.4505	0.2832
opn310k	0.9111	0.0889	0.9111	0.0474	0.2443
opnat310k-hg16-17	0.9117	0.0883	0.9117	0.0631	0.2547
optdigits	0.9413	0.0117	0.9413	0.9347	0.0760
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.3500	0.0325	0.3500	0.3333	0.1842
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	0.1205	0.6130
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9854	0.0059	0.9854	0.9177	0.1256

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8909	0.1091	0.8909	0.7153	0.4678
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5773	0.4227	0.5773	-0.0103	0.5851
pd	0.9474	0.0526	0.9474	0.8545	0.2800
pediatric-leukemia	0.7941	0.0588	0.7941	0.7484	0.1809
pendigits	0.9791	0.0042	0.9791	0.9767	0.0307
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.7887	0.2113	0.7887	0.4899	0.6664
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9269
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3000	0.8743
Pgp_desc	0.8500	0.1500	0.8500	0.6809	0.5520
phishing	0.9861	0.0373	0.9494	0.9276	0.1929
phoneme	0.7741	0.2259	0.7741	0.3067	0.6038
phy	0.6380	0.3620	0.6380	0.2780	0.7815
pima	0.6711	0.3289	0.6711	0.2363	0.7765
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7766	0.0429	0.7763	0.5959	0.1785
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9602	0.0398	0.9602	0.4625	0.3649
polish-5th	0.9543	0.0457	0.9543	0.5071	0.2279
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6310	0.2460	0.6310	0.0001	0.3101
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.7111	0.1155	0.7111	0.6382	0.2873
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.8938
primary-tumor	0.4219	0.0523	0.4316	0.3476	0.2364
profb	0.6567	0.3433	0.6567	0.1936	0.8933
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9317	0.0273	0.9317	0.9075	0.1028
pufs-6410%	0.4994	0.5006	0.4994	-0.0013	0.9969
raisin	0.8222	0.1778	0.8222	0.6444	0.5603
re0-wc	0.4533	0.0841	0.4533	0.1490	0.3885
re1-wc	0.5241	0.0381	0.5241	0.4294	0.1926
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.5951	0.4049	0.5951	0.0110	0.5521
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0035
satimage	0.8351	0.0550	0.8351	0.7939	0.1984
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.5263	0.5283
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6406	0.3594	0.6406	0.3255	0.5422
segment	0.9654	0.0099	0.9654	0.9595	0.0420
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8347	0.1475	0.8471	-0.0064	0.6637
sensorless	0.9723	0.0050	0.9723	0.9695	0.0375
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8905	0.1095	0.8905	0.4887	0.5244
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9995	0.0005	0.9995	0.9985	0.0106
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.7554	0.0815	0.7554	0.6859	0.2149
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9283	0.0717	0.9283	0.8484	0.3378
spect	0.7724	0.2199	0.7716	0.2676	0.7663
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5094	0.0204	0.5094	0.4790	0.1375
splice-EI	0.9748	0.0252	0.9748	0.9337	0.2013
splice-IE	0.9495	0.0505	0.9495	0.8628	0.3352
sport-articles	0.8200	0.1800	0.8200	0.6095	0.6396
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.0997	0.4726
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8927	0.0715	0.8927	0.8256	0.2390
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.7077	0.2923	0.7077	0.2207	0.6125
steel-p	0.9333	0.0667	0.9333	0.4051	0.4581
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1727	0.7770
student-weekend	0.4000	0.2400	0.4000	0.1250	0.6839
student-workday	0.7031	0.1187	0.7031	0.0566	0.3284
susy10%	0.7403	0.2597	0.7403	0.4577	0.6198
swarm_aligned	0.9766	0.0000	0.9944	0.9979	0.0000
swarm_flocking	1.0000	0.0000	0.9876	1.0000	0.0000
swarm_grouped	0.9906	0.0000	1.0000	0.9855	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6840
Tdp_desc	0.8611	0.1389	0.8611	0.6154	0.6155
texture	0.9255	0.0136	0.9255	0.9179	0.0651
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8788	0.1212	0.8788	0.6413	0.4917
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.5882	0.2059	0.5882	0.4541	0.2748
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.4990	0.5024	0.4882	0.0000	0.5240
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.8293	0.0379	0.8293	0.7887	0.1335
trec12-wc	0.9032	0.0242	0.9032	0.8838	0.0884

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9398	0.1157
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9462	0.0154	0.9462	0.9291	0.0557
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0463
tuandromd	0.9979	0.0184	0.9683	0.9381	0.1634
turkish	0.8500	0.0750	0.8500	0.8000	0.2036
tvnews	0.8055	0.1945	0.8055	0.5402	0.5421
urban	0.8358	0.0365	0.8358	0.8067	0.1439
vehicle	0.7738	0.1131	0.7738	0.6939	0.2635
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.3333	0.7930
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5859	0.0753	0.5859	0.5444	0.2351
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8698	0.0372	0.8698	0.8475	0.1396
watch-gyr10%	0.9370	0.0180	0.9370	0.9263	0.0752
waveform	0.7760	0.1493	0.7760	0.6642	0.4435
web-phishing	0.8593	0.0938	0.8593	0.7525	0.3988
weight-lift	0.5361	0.1856	0.5361	0.3749	0.2791
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6164	0.1279	0.6164	0.3742	0.3637
winequality-white	0.4642	0.1531	0.4642	0.1792	0.6005
winnipeg	0.8397	0.0441	0.8644	0.7939	0.0923
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5270	0.0946	0.5270	0.3946	0.3797
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7376	0.0525	0.7376	0.7051	0.2155
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 99: Detailed results for AdaBoost.ERP

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1870	0.0561	0.1870	0.0949	0.4303
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9806	0.0194	0.9806	0.1324	0.4525
ads	0.9579	0.0269	0.9724	0.8886	0.2306
adult	0.8597	0.1403	0.8597	0.5752	0.5785
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.1109	0.7846
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6757	0.3243	0.6757	0.3547	0.8234
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9968	0.0032	0.9968	0.2430	0.2268
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.5000	0.5000	0.5000	-0.1905	0.9701
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9964	0.0036	0.9964	0.1414	0.4892
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9930	0.0070	0.9930	0.1224	0.4764
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9653	0.0386
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9847	0.0038	0.9847	0.9748	0.0905
anuran-species	0.9819	0.0036	0.9819	0.9749	0.0481
aps-failure	0.9903	0.0097	0.9903	0.6464	0.1809
arcene	0.8000	0.2000	0.8000	0.5833	0.6737
arrhythmia	0.6444	0.0547	0.6444	0.4582	0.3195
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.7974	0.0343
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.8385	0.0269	0.8385	0.7941	0.1621
balance	0.7903	0.1398	0.7903	0.6408	0.4235
bank	0.9097	0.0903	0.9097	0.4537	0.5534
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8456	0.1544	0.8456	0.6414	0.4907
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9965	0.0035	0.9965	0.7736	0.1983
biodeg	0.8952	0.1048	0.8952	0.7851	0.4352
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9802	0.0000	0.9903	0.1476	0.3352
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.1250	0.8994
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.6364	0.3636	0.6364	0.2414	0.8512
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.9130	0.0870	0.9130	0.0965	0.2862
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8169	0.0366	0.8169	0.7795	0.2207
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7739	0.3467
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7318	0.3688
cas_N6512_cdk_ECFP2	0.6006	0.3994	0.6006	0.1554	0.7830
cdc_diabetes	0.8392	0.1072	0.8392	0.1977	0.4118
census10%	0.9410	0.0469	0.9314	0.4277	0.3759
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	1.0000	0.8657	0.0673
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8250	0.1785	0.8065	0.6019	0.6262
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6389	0.6114
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3724	0.8069
cirrhosis	0.7619	0.1587	0.7619	0.5070	0.3634
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8242	0.0890	0.8094	0.7111	0.3260
climate	0.8889	0.1111	0.8889	-0.0519	0.7116
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5238	0.3175	0.5238	0.2547	0.7203
cnae-9	0.9407	0.0083	0.9847	0.9681	0.0413
codon_usage	0.7767	0.0406	0.7767	0.7255	0.2428
coil20	0.9861	0.0014	0.9861	0.9854	0.0096
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.5172	0.4828	0.5172	-0.1215	0.9927
colposcopies-2	0.5172	0.4828	0.5172	-0.1033	0.9975
colposcopies-3	0.7586	0.2414	0.7586	0.4835	0.7133
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.8276	0.1724	0.8276	0.4487	0.6170
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9984	0.0011	0.9984	0.9627	0.0516
cottonmeloidogyne	0.6370	0.3630	0.6370	0.2780	0.7194
coupon	0.7263	0.2737	0.7263	0.4398	0.7892
covtype	0.6978	0.0864	0.6978	0.5003	0.3530
covtypeCD	0.9801	0.0199	0.9801	0.9142	0.1897
covtypeT	0.9764	0.0236	0.9764	0.8197	0.3537
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8968	0.0344	0.8968	0.7796	0.2270
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2188	0.0391	0.2188	0.1992	0.1097
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7407	0.2593	0.7407	0.4514	0.7389
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8243	0.1757	0.8243	0.3787	0.6331
deposit	0.8983	0.1017	0.8983	0.4655	0.6217
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5435	0.6720
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5777	0.2741	0.5793	0.1593	0.5461
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5851	0.4149	0.5851	0.1611	0.9387
dropout	0.7178	0.1881	0.7178	0.5219	0.5191
drug-01	0.3830	0.1763	0.3830	0.0385	0.5805
drug-02	0.4787	0.1489	0.4787	0.1109	0.6232
drug-03	0.6383	0.1033	0.6383	-0.0141	0.3936
drug-04	0.5106	0.1398	0.5106	0.1649	0.6157
drug-05	0.6968	0.0866	0.6968	-0.0513	0.3682
drug-06	0.3723	0.1793	0.3723	0.2010	0.5993
drug-07	0.4043	0.1702	0.4043	0.0086	0.5259
drug-08	0.5426	0.1307	0.5426	0.1886	0.5799
drug-09	0.8351	0.0471	0.8351	0.0145	0.3499
drug-10	0.4734	0.1505	0.4734	0.0475	0.5639
drug-11	0.8191	0.0517	0.8191	0.0796	0.5873
drug-12	0.7713	0.0654	0.7713	0.0088	0.4421
drug-13	0.5585	0.1261	0.5585	0.2350	0.5364
drug-14	0.5532	0.1277	0.5532	0.2387	0.5417
drug-15	0.6809	0.0912	0.6809	0.1815	0.5098
drug-16	0.5745	0.1216	0.5745	0.3170	0.4679
drug-17	0.3989	0.1717	0.3989	0.1888	0.5912
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	0.0908	0.4709
drybean	0.9140	0.0246	0.9140	0.8961	0.1293
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2526	0.0934	0.2526	0.1553	0.5537
eeg-eye	0.5935	0.4065	0.5935	0.1061	0.5852
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4583	0.7707
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9754	0.0325	0.9617	0.6530	0.4931
er_tox_rdkit_AVALON	0.9308	0.0649	0.9494	0.7293	0.4895
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6285	0.6082
er_tox_rdkit_FEATMORGAN	0.9599	0.0477	0.9500	0.8943	0.2651
er_tox_rdkit_LAYERED	0.9568	0.0478	0.9703	0.7942	0.1435
er_tox_rdkit_MACCS	0.9573	0.0488	0.9436	0.5407	0.5814
er_tox_rdkit_MORGAN	0.9319	0.0489	0.9459	0.3765	0.5528
er_tox_rdkit_PATTERN	0.9597	0.0327	0.9734	0.9168	0.1268
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.2907	0.8408
er_tox_rdkit_TORSION	0.9509	0.0482	0.9494	0.0000	0.1318
eucalyptus	0.5479	0.1808	0.5479	0.4220	0.4350
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9885	0.0219	0.9551	0.9759	0.1389
fbis-wc	0.7764	0.0263	0.7764	0.7453	0.1939
fda.atompair_fp	0.7786	0.2228	0.7830	0.2254	0.3865
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6825	0.1525
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5470	0.0059	0.5382	0.5208	0.5598
forest	0.8654	0.0673	0.8654	0.8145	0.1694
gas	0.9928	0.0024	0.9928	0.9913	0.0195
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5811	0.2793	0.5811	0.0031	0.4981
gene	0.9464	0.0358	0.9464	0.9142	0.1721
german	0.6500	0.3500	0.6500	0.0789	0.8108
gina	0.8300	0.1700	0.8300	0.6587	0.5745
glass	0.8095	0.0635	0.8095	0.7423	0.2203
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6371	0.6240
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4244
haberman	0.7000	0.3000	0.7000	0.1290	0.8673
hapt	0.9167	0.0139	0.9167	0.9015	0.0783
har70	0.9038	0.0231	0.9072	0.8970	0.1212
harth10%	0.8507	0.0248	0.8356	0.7870	0.2105
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7647	0.2353	0.7647	0.4925	0.6907
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8667	0.1333	0.8667	0.7273	0.3522
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8050	0.1999	0.7919	0.5764	0.5895
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higgs10%	0.5506	0.4485	0.5545	0.0470	0.5734
higher	0.3571	0.1607	0.3571	0.2455	0.2556
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9073	0.0927	0.9073	0.6360	0.4864
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6111	0.2593	0.6111	0.3333	0.5697
htru2	0.9732	0.0268	0.9732	0.8362	0.3142
ht-sensor	0.7061	0.1960	0.7061	0.5588	0.4342
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.3459	0.7972
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7304	0.0207	0.7304	0.7196	0.2163
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
fvowels	0.8715	0.0286	0.8715	0.8543	0.1797
kc1	0.8578	0.1422	0.8578	0.3486	0.6576
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.0175	0.0951
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8699	0.0145	0.8699	0.8547	0.1855
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5106	0.1653	0.4962	0.3212	0.3115
la2s-wc	0.4910	0.1651	0.4818	0.2882	0.3264
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6311	0.0639
led24	0.5500	0.0900	0.5500	0.4930	0.1948
lenses	0.9954	0.0000	0.9855	1.0000	0.0000
letter	0.6870	0.0241	0.6870	0.6743	0.2970
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8507	0.0640
linkage10%	0.9981	0.0001	1.0000	0.9749	0.0214
liver	0.7059	0.2941	0.7059	0.4118	0.7325
localization	0.4728	0.0959	0.4728	0.2966	0.4231
lrs	0.8302	0.0340	0.8302	0.7646	0.1381
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.7037	0.0872
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.4846	0.5154	0.4846	-0.0308	1.0000
magic04	0.7822	0.2178	0.7822	0.4566	0.5485

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5423	0.7111
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.6348	0.3652	0.6348	0.2897	0.8366
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0571
mfeat-fou	0.6850	0.0630	0.6850	0.6500	0.3006
mfeat-kar	0.9100	0.0180	0.9100	0.9000	0.1068
mfeat-mor	0.7350	0.0530	0.7350	0.7056	0.1957
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0311
mfeat-zer	0.6750	0.0650	0.6750	0.6389	0.2798
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4113	0.4947
mobile	0.4450	0.0197	0.4549	0.4442	0.2021
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9727	0.0273	0.9727	0.8904	0.1766
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.5147	0.4853	0.5147	0.0294	0.6675
mutagen_class_3	0.4109	0.5881	0.3959	-0.1914	1.0000
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7516
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4661	0.7605
MUT_ci300400a	0.6942	0.3058	0.6942	0.4067	0.7494
MUT_ci300400a_cdk_ECFP2	0.6487	0.3513	0.6487	0.1922	0.6659
myocardial	0.8588	0.0353	0.8588	0.3595	0.4118
naticusdroid	0.9970	0.0253	0.9526	0.9653	0.1620
nci9	0.3333	0.1481	0.3333	0.2500	0.1482
ncRNA10%	0.9185	0.0094	0.9170	0.7302	0.4319
newspop	0.5330	0.4670	0.5330	0.0018	0.5283
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9463	0.0537	0.9463	0.8681	0.3131
NPHA-doctor-visits	0.4167	0.3889	0.4167	0.0385	0.8096
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0729
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9406	0.0119	0.9406	0.9321	0.0611
oh10-wc	0.7143	0.0571	0.7143	0.6727	0.2608
oh15-wc	0.8478	0.0304	0.8478	0.8273	0.1527
oh5-wc	0.8132	0.0374	0.8132	0.7890	0.1817
opn310k	0.9136	0.0864	0.9136	0.1182	0.3168
opnat310k-hg16-17	0.9140	0.0860	0.9140	0.1140	0.2749
optdigits	0.9555	0.0089	0.9555	0.9505	0.0668
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.8000	0.0100	0.8000	0.7949	0.0376
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9209	0.0791	0.9209	0.2495	0.6005
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8742	0.1390

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8638	0.1362	0.8638	0.6630	0.5775
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.4948	0.5052	0.4948	-0.0533	1.0000
pd	0.9079	0.0921	0.9079	0.7500	0.4624
pediatric-leukemia	0.7647	0.0672	0.7647	0.7085	0.2001
pendigits	0.9891	0.0022	0.9891	0.9879	0.0196
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7835	0.2165	0.7835	0.4955	0.7086
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9452
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7149	0.5330
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9670	0.0370	0.9446	0.9046	0.1931
phoneme	0.8111	0.1889	0.8111	0.5767	0.6480
phy	0.6284	0.3716	0.6284	0.2590	0.7683
pima	0.7763	0.2237	0.7763	0.5236	0.7134
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.7722	0.0444	0.7913	0.6006	0.1731
polish-1st	0.9630	0.0370	0.9630	0.3002	0.4775
polish-2nd	0.9538	0.0462	0.9538	-0.0119	0.5226
polish-3rd	0.9400	0.0600	0.9400	0.0364	0.6110
polish-4th	0.9582	0.0418	0.9582	0.4207	0.3739
polish-5th	0.9408	0.0592	0.9408	0.4162	0.5077
polya	0.6584	0.3416	0.6584	0.0670	0.5699
popularity	0.6308	0.2462	0.6308	0.0190	0.3985
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9455	0.0218	0.9455	0.9318	0.1082
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9116
primary-tumor	0.4145	0.0522	0.4310	0.3463	0.2339
profb	0.8060	0.1940	0.8060	0.5442	0.6746
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9659	0.0136	0.9659	0.9542	0.0772
pufs-6410%	0.5022	0.4978	0.5022	0.0044	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.8200	0.0277	0.8200	0.7628	0.2128
re1-wc	0.8133	0.0149	0.8133	0.7865	0.1315
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0036	0.6174
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0021
satimage	0.8554	0.0482	0.8554	0.8226	0.2080
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8989	0.1011	0.8989	0.0468	0.3692
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6779	0.3221	0.6779	0.3911	0.5247
segment	0.9827	0.0049	0.9827	0.9798	0.0267
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9070	0.0930	0.9070	0.0961	0.6807
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sens-2-gram	0.8763	0.1237	0.8763	0.1701	0.4692
sens-3-gram	0.8579	0.1421	0.8579	0.0587	0.6232
sens-4-gram	0.8600	0.1530	0.8374	-0.0065	0.6648
sensorless	0.9920	0.0015	0.9920	0.9912	0.0153
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8848	0.1152	0.8848	0.5884	0.6130
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9990	0.0076
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7338	0.0887	0.7338	0.6598	0.2423
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9217	0.0783	0.9217	0.8357	0.3713
spect	0.7634	0.2208	0.7682	0.2769	0.7858
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4151	0.0244	0.4151	0.3840	0.1458
splice-EI	0.9685	0.0315	0.9685	0.9184	0.2445
splice-IE	0.9527	0.0473	0.9527	0.8708	0.3193
sport-articles	0.8400	0.1600	0.8400	0.6529	0.5962
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7949	0.2051	0.7949	0.0888	0.5478
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8841	0.0772	0.8841	0.8098	0.2465
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7333	0.2667	0.7333	0.3306	0.7043
steel-p	0.9333	0.0667	0.9333	0.4840	0.5404
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1727	0.7242
student-weekend	0.3077	0.2769	0.3077	0.0770	0.7150
student-workday	0.6406	0.1437	0.6406	0.1894	0.6077
susy10%	0.7507	0.2493	0.7507	0.4957	0.7490
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	0.9936	0.9927	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9800	0.0036	0.9800	0.9779	0.0295
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7872	0.2128	0.7872	0.0486	0.8044
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8758	0.1242	0.8758	0.6489	0.5450
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5321	0.3154
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.4924	0.5058	0.5092	0.0000	0.5233
transfusion	0.6533	0.3467	0.6533	-0.0726	0.9159
trec11-wc	0.9024	0.0217	0.9024	0.8802	0.0960
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8047	0.1465
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0650
trec41-wc	0.9432	0.0114	0.9432	0.9310	0.0717
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0427
tuandromd	0.9841	0.0178	0.9635	0.9518	0.1627
turkish	0.7750	0.1125	0.7750	0.7000	0.3054
tvnews	0.7856	0.2144	0.7856	0.5676	0.6517
urban	0.7910	0.0464	0.7910	0.7549	0.1656
vehicle	0.8214	0.0893	0.8214	0.7559	0.2325
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5152	0.0882	0.5152	0.4667	0.2593
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9087	0.0913	0.9087	0.0027	0.2547
wap-wc	0.7372	0.0263	0.7372	0.7054	0.1801
warpar10p	0.6154	0.0769	0.6154	0.5724	0.1228
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9370	0.0180	0.9370	0.9263	0.0640
watch-gyr10%	0.8940	0.0303	0.8940	0.8763	0.0889
waveform	0.7160	0.1893	0.7160	0.5739	0.5241
web-phishing	0.8667	0.0889	0.8667	0.7628	0.3432
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0037
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6038	0.1321	0.6038	0.3679	0.5272
winequality-white	0.5092	0.1402	0.5092	0.2274	0.5306
winnipeg	0.8654	0.0439	0.8520	0.7835	0.0923
yale	0.6875	0.0417	0.6875	0.6667	0.0817
yeast	0.3919	0.1216	0.3919	0.2346	0.4324
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.8925	0.0215	0.8925	0.8795	0.1590
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 100: Detailed results for FeatureBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1727	0.0571	0.1727	0.0747	0.3803
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8604	0.1396	0.8604	0.5767	0.5759
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9930	0.0070	0.9930	0.1572	0.4873
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9082	0.0459	0.9082	0.8172	0.1635
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.8915	0.0271	0.8915	0.8160	0.2221
anuran-species	0.9514	0.0097	0.9514	0.9320	0.0828
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5377	0.1353
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7351	0.1664
avila	0.6167	0.0639	0.6167	0.4422	0.2502
balance	0.7903	0.1398	0.7903	0.6084	0.4036
bank	0.9109	0.0891	0.9109	0.5740	0.5959
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6288	0.6224
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9853	0.0010	0.9853	0.2550	0.5686
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5483	0.4472	0.5517	0.0676	0.9681
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9483	0.0259	0.9483	0.8923	0.1968
card	0.8116	0.1884	0.8116	0.6223	0.6266
cardiotocography	0.8028	0.0394	0.8028	0.7632	0.2288
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7826	0.2807
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5329	0.4100
cas_N6512_cdk_ECFP2	0.5607	0.4393	0.5607	0.0526	0.6098
cdc_diabetes	0.8439	0.1040	0.8439	0.1584	0.3845
census10%	0.9482	0.0518	0.9482	0.3915	0.4820
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.5249	0.6842
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.6190	0.2540	0.6190	0.2432	0.5503
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7417	0.1292	0.7417	0.6078	0.5282
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5578	0.2948	0.5578	0.3159	0.7051
cnae-9	0.4352	0.1255	0.4352	0.3646	0.2383
codon_usage	0.6055	0.0717	0.6055	0.5122	0.2324
coil20	0.8958	0.0104	0.8958	0.8903	0.0510
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.8387	0.1075	0.8387	0.7430	0.2410
connect-4	0.9836	0.0110	0.9836	0.4588	0.1316
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3729	0.8278
covtype	0.7122	0.0822	0.7122	0.5319	0.3506
covtypeCD	0.9766	0.0234	0.9766	0.9006	0.2376
covtypeT	0.9779	0.0221	0.9779	0.8275	0.3205
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8147	0.0618	0.8147	0.5542	0.2543
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2960	0.1339
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9189	0.0270	0.9189	0.8991	0.0971
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5403	0.3065	0.5403	0.0039	0.3486
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7133	0.1911	0.7133	0.5262	0.5334
drug-01	0.3936	0.1733	0.3936	0.0048	0.4129
drug-02	0.5213	0.1368	0.5213	0.0345	0.3636
drug-03	0.6809	0.0912	0.6809	-0.0049	0.2706
drug-04	0.5319	0.1337	0.5319	0.0258	0.3576
drug-05	0.7234	0.0790	0.7234	-0.0143	0.2970
drug-06	0.3830	0.1763	0.3830	0.2063	0.4966
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5532	0.1277	0.5532	0.0338	0.3177
drug-09	0.8404	0.0456	0.8404	-0.0316	0.3629
drug-10	0.5426	0.1307	0.5426	0.0216	0.3417
drug-11	0.8298	0.0486	0.8298	-0.0259	0.2612
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6064	0.1125	0.6064	0.2816	0.3508
drug-14	0.6064	0.1125	0.6064	0.1819	0.3679
drug-15	0.7660	0.0669	0.7660	0.0664	0.1851
drug-16	0.5745	0.1216	0.5745	0.3363	0.4261
drug-17	0.3191	0.1945	0.3191	-0.0030	0.3978
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9192	0.0231	0.9192	0.9021	0.1277
ecoli	0.8235	0.0441	0.8235	0.7515	0.0998
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1710	0.1036	0.1710	0.0362	0.3945
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6667	0.3333	0.6667	0.0868	0.6536
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.3556	0.5608
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6423	0.5581
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6986	0.1205	0.6986	0.6025	0.2794
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.4431	0.0655	0.4431	0.3232	0.2432
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.4000	0.1500	0.4000	0.2523	0.3085
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.3965	0.0079	0.3965	0.3398	0.2703
forest	0.9038	0.0481	0.9038	0.8672	0.1255
gas	0.7477	0.0841	0.7477	0.6954	0.2126
gastrointestinal	0.6250	0.2500	0.6250	0.4419	0.4401
gender	0.5895	0.2737	0.5895	0.0053	0.3706
gene	0.8959	0.0694	0.8959	0.8327	0.2787
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.7143	0.0952	0.7143	0.6261	0.2567
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3548	0.8301
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2638	0.5793
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8811	0.0198	0.8811	0.8594	0.1166
har70	0.8399	0.0457	0.8399	0.7736	0.1572
harth10%	0.7324	0.0446	0.7324	0.6235	0.1676
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5761
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5495	0.4574	0.5507	0.0516	0.5991
higher	0.2143	0.1964	0.2143	0.0994	0.3636
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5237	0.6374
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.5833	0.2778	0.5833	0.2330	0.6477
htru2	0.9777	0.0223	0.9777	0.8596	0.2396
ht-sensor	0.7557	0.1629	0.7557	0.6383	0.3786
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0557
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.3813	0.0476	0.3813	0.3565	0.2477
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
jvowels	0.7430	0.0571	0.7430	0.7090	0.2647
kc1	0.8531	0.1469	0.8531	0.2727	0.6396
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1466
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7337	0.0296	0.7337	0.7028	0.3019
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7412	0.0887	0.7455	0.6712	0.3745
la2s-wc	0.7719	0.0784	0.7578	0.6769	0.3290
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6909	0.0589
led24	0.6500	0.0700	0.6500	0.6056	0.1568
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.3950	0.0465	0.3950	0.3716	0.2976
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5000	0.0667	0.5000	0.4636	0.1948
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.4984	0.0912	0.4984	0.3387	0.3569
lrs	0.6226	0.0755	0.6226	0.4914	0.1847
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.8190	0.1706
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6907	0.2125
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5472	0.1163
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.6667	0.0741	0.6667	0.5500	0.0853
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7791	0.2209	0.7791	0.4462	0.5424

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5817	0.6807
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7228	0.1848	0.7228	0.5817	0.4804
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8442	0.1259
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.8750	0.0250	0.8750	0.8611	0.1364
mfeat-fou	0.6550	0.0690	0.6550	0.6167	0.2444
mfeat-kar	0.5400	0.0920	0.5400	0.4889	0.2691
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2257
mfeat-pix	0.8450	0.0310	0.8450	0.8278	0.1653
mfeat-zer	0.5600	0.0880	0.5600	0.5111	0.2462
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4647
mobile	0.2902	0.0254	0.2902	0.2774	0.2386
monks-1	0.7273	0.2727	0.7273	0.4562	0.7625
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6019	0.3981	0.6019	0.0550	0.5430
myocardial	0.8882	0.0279	0.8882	0.4578	0.0891
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.3333	0.1481	0.3333	0.2258	0.1401
ncRNA10%	0.8812	0.0125	0.8812	0.6248	0.1819
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9283	0.0717	0.9283	0.8271	0.3910
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0438	0.6509
nursery	0.9915	0.0034	0.9915	0.9876	0.0339
obs	0.8796	0.0602	0.8796	0.8272	0.1270
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9728	0.0350
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.4286	0.1143	0.4286	0.3329	0.2675
oh15-wc	0.4674	0.1065	0.4674	0.3775	0.2515
oh5-wc	0.4945	0.1011	0.4945	0.4098	0.2911
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.8345	0.0331	0.8345	0.8161	0.2070
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.3500	0.0325	0.3500	0.3333	0.2094
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9407	0.0593	0.9407	-0.0293	0.6345
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9598	0.0161	0.9598	0.7609	0.2362

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.7647	0.0672	0.7647	0.7125	0.2073
pendigits	0.9290	0.0142	0.9290	0.9211	0.0891
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.7944	0.2056	0.7944	0.5652	0.6136
phy	0.6274	0.3726	0.6274	0.2526	0.7838
pima	0.7105	0.2895	0.7105	0.3871	0.8164
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6484	0.0703	0.6484	0.3490	0.4117
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.8889	0.0741	0.8889	0.7273	0.1423
postures	0.6111	0.1555	0.6111	0.5126	0.2722
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3333	0.0606	0.3333	0.2508	0.2525
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9103	0.0359	0.9103	0.8782	0.1347
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.4533	0.0841	0.4533	0.1415	0.3284
re1-wc	0.5120	0.0390	0.5120	0.4127	0.1825
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	0.9974	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9917	0.0014	0.9917	0.9792	0.0127
satimage	0.8118	0.0627	0.8118	0.7676	0.2389
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.8927	0.1073	0.8927	0.0545	0.5389
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9177	0.0235	0.9177	0.9038	0.0928
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8744	0.1426	0.8676	0.1337	0.6386
sensorless	0.8725	0.0232	0.8725	0.8597	0.0926
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9732	0.1170
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7554	0.0815	0.7554	0.6850	0.2028
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.3962	0.0252	0.3962	0.3504	0.1779
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7600	0.2400	0.7600	0.4852	0.7487
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8884	0.0744	0.8884	0.8193	0.2479
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.8974	0.1026	0.8974	0.2780	0.6749
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8093	0.4129
studentap	0.3077	0.4615	0.3077	-0.0263	0.7504
student-weekend	0.3692	0.2523	0.3692	0.0509	0.5907
student-workday	0.6875	0.1250	0.6875	0.1715	0.4563
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	0.9967	0.0033	0.9967	0.9922	0.0293
swarm_flocking	0.9667	0.0333	0.9667	0.9334	0.1796
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.3649
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.8509	0.0271	0.8509	0.8357	0.1382
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.2381	0.1674
tox_171	0.2941	0.3529	0.2941	0.0599	0.5158
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.7317	0.0596	0.7317	0.6637	0.2643
trec12-wc	0.8065	0.0484	0.8065	0.7669	0.1283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5633	0.3084
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.8280	0.0492	0.8280	0.7668	0.1018
trec41-wc	0.6932	0.0614	0.6932	0.6100	0.2499
trec45-wc	0.9275	0.0145	0.9275	0.9156	0.0670
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.6000	0.2000	0.6000	0.4667	0.4363
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.8209	0.0398	0.8209	0.7897	0.1669
vehicle	0.7500	0.1250	0.7500	0.6589	0.2661
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8140	0.1860	0.8140	0.6301	0.5432
vowel	0.4747	0.0955	0.4747	0.4222	0.2493
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8201	0.0514	0.8201	0.7891	0.1612
watch-gyr10%	0.8682	0.0377	0.8682	0.8459	0.1409
waveform	0.6220	0.2520	0.6220	0.4342	0.5354
web-phishing	0.8667	0.0889	0.8667	0.7632	0.3901
weight-lift	0.5055	0.1978	0.5055	0.3310	0.2938
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0611
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.4906	0.1698	0.4906	0.1261	0.3441
winequality-white	0.4458	0.1583	0.4458	0.0101	0.3949
winnipeg	0.8445	0.0444	0.8445	0.7991	0.0950
yale	0.3750	0.0833	0.3750	0.3305	0.1741
yeast	0.5000	0.1000	0.5000	0.3597	0.4160
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.6398	0.0720	0.6398	0.5973	0.2577
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 101: Detailed results for GPBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1646	0.0576	0.1638	0.0757	0.4986
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.0783	0.4950
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.6667	0.3333	0.6667	0.0000	0.4644
anneal	0.7079	0.1169	0.7079	0.0000	0.2204
antivirus	0.8108	0.1892	0.8108	0.0000	0.3405
anuran-family	0.8540	0.0730	0.8540	0.6925	0.1680
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.5772	0.1057	0.5772	0.0000	0.2370
anuran-species	0.4833	0.1033	0.4833	0.0000	0.2803
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.7500	0.2500	0.7500	0.4681	0.7547
arrhythmia	0.5556	0.0684	0.5556	0.0000	0.2376
auction	0.8725	0.1275	0.8725	0.0000	0.2639
audiology	0.8906	0.0106	0.8531	0.8717	0.0219
audit-risk	0.9872	0.0128	0.9872	0.9731	0.0692
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.5500	0.1500	0.5500	0.3571	0.2693
avila	0.4106	0.0982	0.4106	0.0000	0.2872
balance	0.8226	0.1183	0.8226	0.6670	0.3118
bank	0.8874	0.1126	0.8874	0.0000	0.2427
banknote	0.9708	0.0292	0.9708	0.9411	0.1781

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8065	0.1935	0.8065	0.5259	0.3851
basehock	0.9246	0.0754	0.9246	0.8492	0.3562
bio	0.9911	0.0089	0.9911	0.0000	0.0350
biodeg	0.6762	0.3238	0.6762	0.1793	0.4706
biomed	0.7619	0.2381	0.7619	0.4262	0.4246
bitcoin10%	0.9717	0.0008	0.9752	0.4300	0.1867
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.1818	0.2727	0.1818	0.0000	0.3865
bridges	0.5000	0.1429	0.5000	0.0000	0.2906
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.0000	0.3723
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.7971	0.2029	0.7971	0.4823	0.3895
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.8406	0.1594	0.8406	0.6649	0.5554
cardiotocography	0.5399	0.0920	0.5399	0.4118	0.2559
cardiotocography-nsp	0.7793	0.1471	0.7793	0.0000	0.2332
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6250	0.2500	0.6250	0.0000	0.3255
cas_N6512_cdk_ECFP2	0.7158	0.2842	0.7158	0.4258	0.8005
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9402	0.0598	0.9402	0.0000	0.1548
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.6977	0.3023	0.6977	0.2247	0.4590
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.4066	0.4189
ci200186m_DESC_PADEL	0.7593	0.2407	0.7593	0.4179	0.5805
ci200186m_ExtendedFingerprinter	0.7818	0.2182	0.7818	0.4844	0.6299
ci900367j_MACCS	0.6316	0.3684	0.6316	0.0343	0.4868
cirrhosis	0.8095	0.1270	0.8095	0.6019	0.2363
cjs	0.8964	0.0345	0.8964	0.8713	0.0508
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6787	0.1606	0.6787	0.4657	0.3505
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5000	0.3333	0.5000	0.0526	0.5456
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5306	0.3129	0.5306	0.2145	0.5332
cnae-9	0.7315	0.0597	0.7315	0.6979	0.2462
codon_usage	0.7375	0.0477	0.7375	0.6720	0.2053
coil20	0.9514	0.0049	0.9514	0.9488	0.0317
collins	0.5600	0.0587	0.5600	0.4956	0.1593
colon-tumor	0.8333	0.1667	0.8333	0.5714	0.3522
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.5172	0.4828	0.5172	-0.1033	0.9591
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.7419	0.2581	0.7419	0.2530	0.4230
column-3c	0.7097	0.1935	0.7097	0.5105	0.3303
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.6803	0.3197	0.6803	0.3614	0.8348
coupon	0.6530	0.3470	0.6530	0.2350	0.7367
covtype	0.6457	0.1012	0.6457	0.3491	0.2682
covtypeCD	0.8633	0.1367	0.8633	0.0000	0.2765
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.6922	0.1026	0.6922	0.0000	0.2116
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0000	0.0500	0.0000	0.0000	0.4102
cyclopentane	0.7037	0.2963	0.7037	0.3684	0.6911
cylinder-bands	0.6852	0.3148	0.6852	0.3139	0.7607
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7790	0.2210	0.7790	0.0000	0.3738
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.6757	0.1081	0.6757	0.5755	0.1410
desharnais	0.6250	0.2500	0.6250	0.0000	0.3193
dexter	0.8667	0.1333	0.8667	0.7333	0.4919
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.4807	0.4181
diabetes	0.7692	0.2308	0.7692	0.4621	0.5724
diabetic10%	0.5413	0.3058	0.5413	0.0063	0.3472
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5417	0.4583	0.5417	-0.0476	0.9193
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5417	0.4583	0.5417	0.0359	0.6841
dropout	0.7314	0.1791	0.7314	0.5137	0.3139
drug-01	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4362	0.1611	0.4362	0.2628	0.3537
drug-07	0.4628	0.1535	0.4628	0.0651	0.2943
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5798	0.1201	0.5798	0.0000	0.2556
drug-14	0.5691	0.1231	0.5691	0.0000	0.2602
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5213	0.1368	0.5213	0.0000	0.2706
drug-17	0.3723	0.1793	0.3723	0.0961	0.4224
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.8758	0.0355	0.8758	0.8486	0.1429
ecoli	0.6471	0.0882	0.6471	0.4441	0.1603
ecoliCP-IM	0.9091	0.0909	0.9091	0.7925	0.2605

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.7576	0.2424	0.7576	0.0000	0.3942
ecoliMU	0.9091	0.0909	0.9091	0.0000	0.2092
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.3757	0.0780	0.3757	0.2884	0.4395
eeg-eye	0.7350	0.2650	0.7350	0.4422	0.6592
EPA_FHM	0.9344	0.0656	0.9344	0.0000	0.1655
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.6500	0.3500	0.6500	0.0278	0.6664
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8689	0.3013
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.0000	0.4380
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.5205	0.1918	0.5205	0.3469	0.3827
euthyroid	0.9019	0.0981	0.9019	0.0000	0.2206
exon.vs.intron-freq	0.9291	0.0709	0.9291	0.8574	0.3289
fbis-wc	0.4756	0.0617	0.4756	0.3686	0.2621
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4000	0.1500	0.4000	0.1549	0.2986
fontaine_MACCS	0.7500	0.2500	0.7500	0.4372	0.7591
fonts10%	0.3197	0.0089	0.3197	0.2456	0.2754
forest	0.5769	0.2115	0.5769	0.3979	0.1951
gas	0.9497	0.0168	0.9497	0.9388	0.0882
gastrointestinal	0.5625	0.2917	0.5625	0.1450	0.3546
gender	0.5895	0.2737	0.5895	0.0000	0.3139
gene	0.6025	0.2650	0.6025	0.2306	0.3831
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.9135	0.0865	0.9135	0.8270	0.3914
glass	0.5238	0.1587	0.5238	0.2606	0.3350
glassBWFP	0.6190	0.3810	0.6190	0.0000	0.4912
glassBWNFP	0.6190	0.3810	0.6190	-0.0909	0.8444
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.7619	0.2381	0.7619	0.0000	0.3902
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.2000	0.4000	0.2000	0.0000	0.3270
glioma-grade	0.8452	0.1548	0.8452	0.6750	0.5548
green	0.7000	0.3000	0.7000	0.0000	0.4416
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.4000	0.3000	0.4000	0.1562	0.5321
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.8920	0.0180	0.8920	0.8713	0.1025
har70	0.4777	0.1492	0.4777	0.0000	0.2651
harth10%	0.4492	0.0918	0.4492	0.0000	0.2692
hayes-roth	0.3750	0.4167	0.3750	-0.0667	0.6327
hcc-survival	0.5294	0.4706	0.5294	-0.1148	0.8847
heart	0.7407	0.2593	0.7407	0.4392	0.7429
heart-c	0.7667	0.2333	0.7667	0.5205	0.6223
hepatitis	0.8000	0.2000	0.8000	0.0000	0.3522

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8437	0.1563	0.8437	0.6876	0.5585
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.7692	0.2308	0.7692	0.0000	0.3833
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.6694	0.3306	0.6694	0.3235	0.8119
higher	0.2143	0.1964	0.2143	0.0000	0.3747
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.5278	0.3148	0.5278	0.0000	0.3606
htru2	0.9084	0.0916	0.9084	0.0000	0.2103
ht-sensor	0.8868	0.0755	0.8868	0.8293	0.2513
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9231	0.0769	0.9231	0.0000	0.1858
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.7714	0.2286	0.7714	0.3396	0.4011
iris	0.8667	0.0889	0.8667	0.8013	0.2215
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.8331	0.0128	0.8331	0.8264	0.1377
jm1	0.8062	0.1938	0.8062	0.0000	0.3455
jvowels	0.8544	0.0324	0.8544	0.8344	0.1813
kc1	0.8436	0.1564	0.8436	0.0000	0.3019
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4118	0.7427
kc1-class-level-numericdefect	0.5758	0.0353	0.5772	0.2446	0.2171
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.0000	0.3643
kidney-disease	0.9000	0.1000	0.9000	0.7746	0.2781
krkopt	0.3807	0.0688	0.3807	0.2818	0.3796
krvskp	0.9718	0.0282	0.9718	0.9435	0.1685
la1s-wc	0.5905	0.1365	0.5905	0.4389	0.3022
la2s-wc	0.5364	0.1545	0.5364	0.3562	0.3326
labor	0.8333	0.1667	0.8333	0.5714	0.3522
leaf	0.6822	0.0165	0.6635	0.6443	0.0617
led24	0.2500	0.1500	0.2500	0.2021	0.3211
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8335	0.0128	0.8335	0.8268	0.1814
leukemia	0.7143	0.1905	0.7143	0.5625	0.3324
leukemia2	0.4286	0.5714	0.4286	-0.2727	1.0000
libra	0.6389	0.0481	0.6389	0.6132	0.1591
linkage10%	0.9963	0.0037	0.9963	0.0000	0.0166
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.4767	0.0951	0.4767	0.2566	0.3195
lrs	0.3962	0.1208	0.3962	0.0000	0.2643
lsvt	0.6923	0.3077	0.6923	0.0000	0.4472
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7000	0.1200	0.7000	0.0000	0.2315
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.0000	0.3145
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.5556	0.4444	0.5556	0.0000	0.5164
lymphography	0.6429	0.1786	0.6429	0.1954	0.2336
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.8308	0.1692	0.8308	0.6615	0.6018
magic04	0.6486	0.3514	0.6486	0.0000	0.4753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6430	0.6156
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.6832	0.2112	0.6832	0.5124	0.5138
messidor	0.6522	0.3478	0.6522	0.2824	0.8798
meter-A	0.5000	0.5000	0.5000	-0.0667	0.9927
meter-B	0.7778	0.1481	0.7778	0.6400	0.1389
meter-C	0.7778	0.1111	0.7778	0.6842	0.2189
meter-D	0.8333	0.0833	0.8333	0.7632	0.1669
mfeat-fac	0.9100	0.0180	0.9100	0.9000	0.0995
mfeat-fou	0.7550	0.0490	0.7550	0.7278	0.2198
mfeat-kar	0.8600	0.0280	0.8600	0.8444	0.1617
mfeat-mor	0.6650	0.0670	0.6650	0.6278	0.2130
mfeat-pix	0.9050	0.0190	0.9050	0.8944	0.1084
mfeat-zer	0.6600	0.0680	0.6600	0.6222	0.2702
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4119	0.4362
mobile	0.8182	0.0065	0.8182	0.8149	0.0819
monks-1	0.7636	0.2364	0.7636	0.5305	0.5720
monks-2	0.6393	0.3607	0.6393	-0.0323	0.6755
monks-3	0.9286	0.0714	0.9286	0.8562	0.2551
mushroom	0.9988	0.0012	0.9988	0.9975	0.0115
musk	0.8455	0.1545	0.8455	0.0000	0.2996
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9709
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9962
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.8639
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2219	0.8846
MUT_ci300400a	0.7531	0.2469	0.7531	0.4706	0.6755
MUT_ci300400a_cdk_ECFP2	0.6823	0.3177	0.6823	0.2767	0.6244
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.9598	0.0402	0.9598	0.9195	0.2250
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.7777	0.0234	0.7777	0.0000	0.1370
newspop	0.6380	0.3620	0.6380	0.2517	0.8168
new-thyroid	0.7143	0.1905	0.7143	0.0000	0.2774
new-thyroidT	0.8571	0.1429	0.8571	0.0000	0.2846
NHANES_age_prediction	0.8414	0.1586	0.8414	0.0000	0.3047
nomao	0.7145	0.2855	0.7145	0.0000	0.4307
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0000	0.3630
nursery	0.9344	0.0262	0.9344	0.9029	0.0796
obs	0.5648	0.2176	0.5648	0.2360	0.3843
occupancy	0.7690	0.2310	0.7690	0.0000	0.3835
Occupancy_Estimation	0.8124	0.0938	0.8124	0.0000	0.1814
oh0-wc	0.5446	0.0911	0.5446	0.4510	0.2351
oh10-wc	0.6190	0.0762	0.6190	0.5554	0.2811
oh15-wc	0.5000	0.1000	0.5000	0.4060	0.3448
oh5-wc	0.5824	0.0835	0.5824	0.5150	0.2433
opn310k	0.9091	0.0909	0.9091	0.0000	0.2092
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.9075	0.0185	0.9075	0.8971	0.1274
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.0500	0.0475	0.0500	0.0256	0.4122
orlraws10P	0.2000	0.1600	0.2000	0.1111	0.3505
ovarian-cancer	0.8800	0.1200	0.8800	0.7191	0.3038
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9031	0.0388	0.9031	0.0000	0.0975

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.7368	0.2632	0.7368	0.0000	0.4125
particle	0.7194	0.2806	0.7194	0.0000	0.4268
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.7500	0.2500	0.7500	0.0000	0.4011
pediatric-leukemia	0.6471	0.1008	0.6471	0.5531	0.2174
pendigits	0.9618	0.0076	0.9618	0.9575	0.0627
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.6598	0.3402	0.6598	0.0000	0.4687
P-Glycoprotein_b_Substrate	0.7400	0.2600	0.7400	0.4800	0.7085
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7455	0.5050
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.7500	0.2500	0.7500	0.4186	0.4373
phishing	0.9429	0.0571	0.9429	0.8792	0.2902
phoneme	0.7167	0.2833	0.7167	0.0000	0.4290
phy	0.6928	0.3072	0.6928	0.3850	0.8183
pima	0.5921	0.4079	0.5921	-0.0261	0.6586
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.5139	0.0972	0.5139	0.0325	0.1858
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.6422	0.3578	0.6422	0.0000	0.4790
popularity	0.6313	0.2458	0.6313	0.0000	0.2921
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9318	0.0273	0.9318	0.9146	0.1309
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.1818	0.0744	0.1818	0.0000	0.3153
profb	0.6716	0.3284	0.6716	0.0000	0.4612
promoters	0.7000	0.3000	0.7000	0.3478	0.8165
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8383	0.0647	0.8383	0.7738	0.1585
pufs-6410%	0.5010	0.4990	0.5010	0.0020	0.9975
raisin	0.8889	0.1111	0.8889	0.7778	0.4633
re0-wc	0.5667	0.0667	0.5667	0.3188	0.2370
re1-wc	0.4217	0.0463	0.4217	0.2684	0.2727
rejafada	0.9648	0.0352	0.9648	0.0000	0.1039
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.7500	0.1000	0.7500	0.6418	0.1989
rocket	0.6081	0.3919	0.6081	0.0497	0.5652
RT_IOT2022	0.7689	0.0385	0.7689	0.0000	0.1480
satimage	0.6501	0.1166	0.6501	0.5480	0.2369
satimageF	0.8911	0.1089	0.8911	0.0000	0.2371
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.2857	0.2041	0.2857	-0.1667	0.3973
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.5294	0.4706	0.5294	0.0588	0.8947
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.8757	0.1243	0.8757	0.7424	0.3971
segment	0.9264	0.0210	0.9264	0.9140	0.1032
segmentO	0.8528	0.1472	0.8528	0.0000	0.2903

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9762	0.0043	0.9762	0.9739	0.0385
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8459	0.1541	0.8459	0.0000	0.2991
shuttle	0.7859	0.0612	0.7859	0.0000	0.1287
sick	0.9337	0.0663	0.9337	0.0000	0.1669
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.7923	0.2077	0.7923	0.0000	0.3603
smk_can_187	0.6316	0.3684	0.6316	0.2811	0.7662
solar-flare	0.7266	0.0911	0.7266	0.6446	0.1976
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.6176	0.0402	0.6176	0.5645	0.1750
spambase	0.8913	0.1087	0.8913	0.7637	0.3743
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.5986	0.0161	0.5902	0.5737	0.0943
splice-EI	0.7476	0.2524	0.7476	0.0000	0.4032
splice-IE	0.7634	0.2366	0.7634	0.0000	0.3888
sport-articles	0.7300	0.2700	0.7300	0.3182	0.4416
squash-stored	0.6000	0.2667	0.6000	0.3333	0.3447
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.7220	0.1853	0.7220	0.4920	0.3159
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6974	0.3026	0.6974	0.1728	0.5316
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.4615	0.3590	0.4615	0.1250	0.4979
student-weekend	0.3846	0.2462	0.3846	0.0000	0.3498
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7768	0.2232	0.7768	0.5393	0.6330
swarm_aligned	0.7218	0.2782	0.7218	0.1444	0.4326
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	0.9971	0.0029	0.9971	0.9938	0.0204
tae	0.4667	0.3556	0.4667	0.2000	0.6063
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9345	0.0119	0.9345	0.9278	0.0821
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.7789	0.2211	0.7789	0.4099	0.4011
tis	0.7524	0.2476	0.7524	0.0000	0.3989
titanic	0.6773	0.3227	0.6773	0.0000	0.4575
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.7059	0.1471	0.7059	0.6028	0.3414
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7600	0.2400	0.7600	0.0000	0.3920
trec11-wc	0.5610	0.0976	0.5610	0.3891	0.2479
trec12-wc	0.3548	0.1613	0.3548	0.1413	0.3533

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.4286	0.1905	0.4286	0.0000	0.3116
trec31-wc	0.5806	0.1198	0.5806	0.3736	0.2676
trec41-wc	0.6591	0.0682	0.6591	0.5525	0.1870
trec45-wc	0.4783	0.1043	0.4783	0.3394	0.2836
tuandromd	0.7982	0.2018	0.7982	0.0000	0.3541
turkish	0.6750	0.1625	0.6750	0.5667	0.4018
tvnews	0.7404	0.2596	0.7404	0.3486	0.5260
urban	0.7612	0.0531	0.7612	0.7156	0.1881
vehicle	0.6905	0.1548	0.6905	0.5842	0.3581
vehicleVAN	0.7500	0.2500	0.7500	0.0000	0.4011
voice	0.6667	0.3333	0.6667	0.0000	0.4644
vote	0.8140	0.1860	0.8140	0.6309	0.4230
vowel	0.5354	0.0845	0.5354	0.4889	0.2477
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.3269	0.0673	0.3269	0.1904	0.3347
warpar10p	0.0769	0.1846	0.0769	0.0000	0.4033
warppiel0p	0.1429	0.1714	0.1429	0.0526	0.3866
watch-acc10%	0.9087	0.0261	0.9087	0.8931	0.1260
watch-gyr10%	0.9213	0.0225	0.9213	0.9080	0.0991
waveform	0.7960	0.1360	0.7960	0.6940	0.4362
web-phishing	0.8296	0.1136	0.8296	0.6771	0.2932
weight-lift	0.9671	0.0131	0.9671	0.9584	0.0752
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0613
wilt	0.9503	0.0497	0.9503	0.0000	0.1349
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.5283	0.1572	0.5283	0.1985	0.3422
winequality-white	0.4560	0.1554	0.4560	0.0235	0.2941
winnipeg	0.9639	0.0103	0.9639	0.9540	0.0494
yale	0.0625	0.1250	0.0625	0.0000	0.4106
yeast	0.3716	0.1257	0.3716	0.1475	0.3604
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.8204	0.0359	0.8204	0.7968	0.1743
zoo	0.3000	0.2000	0.3000	0.0000	0.3070

Table 102: Detailed results for GPBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1641	0.0579	0.1628	0.0759	0.5070
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.0783	0.4950
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.6667	0.3333	0.6667	0.0000	0.4644
anneal	0.7079	0.1169	0.7079	0.0000	0.2204
antivirus	0.8108	0.1892	0.8108	0.0000	0.3405
anuran-family	0.8540	0.0730	0.8540	0.6840	0.1620
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.7177	0.0706	0.7177	0.4029	0.1949
anuran-species	0.6014	0.0797	0.6014	0.2823	0.2365
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.7500	0.2500	0.7500	0.4681	0.7547
arrhythmia	0.5556	0.0684	0.5556	0.0000	0.2376
auction	0.8725	0.1275	0.8725	0.0000	0.2639
audiology	0.8696	0.0111	0.8803	0.8562	0.0219
audit-risk	0.9872	0.0128	0.9872	0.9731	0.0692
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.5500	0.1500	0.5500	0.3571	0.2512
avila	0.4255	0.0958	0.4255	0.0306	0.2841
balance	0.8548	0.0968	0.8548	0.7267	0.2677
bank	0.8874	0.1126	0.8874	0.0000	0.2427
banknote	0.9708	0.0292	0.9708	0.9411	0.1781

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8065	0.1935	0.8065	0.5259	0.3851
basehock	0.9246	0.0754	0.9246	0.8492	0.3562
bio	0.9911	0.0089	0.9911	0.0000	0.0350
biodeg	0.6762	0.3238	0.6762	0.1793	0.4706
biomed	0.7619	0.2381	0.7619	0.4262	0.4246
bitcoin10%	0.9993	0.0008	0.9679	0.4098	0.1837
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.5000	0.1429	0.5000	0.0000	0.2906
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.0000	0.3723
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.7971	0.2029	0.7971	0.4823	0.3895
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.8406	0.1594	0.8406	0.6649	0.5554
cardiotocography	0.6854	0.0629	0.6854	0.6017	0.2219
cardiotocography-nsp	0.7793	0.1471	0.7793	0.0000	0.2332
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6250	0.2500	0.6250	0.0000	0.3255
cas_N6512_cdk_ECFP2	0.7158	0.2842	0.7158	0.4258	0.8005
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9402	0.0598	0.9402	0.0000	0.1548
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.6977	0.3023	0.6977	0.2247	0.4590
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.4066	0.4189
ci200186m_DESC_PADEL	0.7593	0.2407	0.7593	0.4179	0.5805
ci200186m_ExtendedFingerprinter	0.7818	0.2182	0.7818	0.4844	0.6299
ci900367j_MACCS	0.6316	0.3684	0.6316	0.0343	0.4868
cirrhosis	0.7619	0.1587	0.7619	0.4928	0.2599
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7037	0.1481	0.7037	0.5073	0.3264
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.3333	0.4444	0.3333	-0.2632	0.6119
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.4830	0.3447	0.4830	0.1291	0.5735
cnae-9	0.7963	0.0453	0.7963	0.7708	0.1989
codon_usage	0.7859	0.0389	0.7859	0.7333	0.1910
coil20	0.9097	0.0090	0.9097	0.9049	0.0585
collins	0.8600	0.0187	0.8600	0.8436	0.0525
colon-tumor	0.8333	0.1667	0.8333	0.5714	0.3522
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.5172	0.4828	0.5172	-0.1033	0.9591
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.7419	0.2581	0.7419	0.2530	0.4230
column-3c	0.7097	0.1935	0.7097	0.4973	0.3843
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.6803	0.3197	0.6803	0.3614	0.8348
coupon	0.6530	0.3470	0.6530	0.2350	0.7367
covtype	0.6486	0.1004	0.6486	0.3529	0.2704
covtypeCD	0.8633	0.1367	0.8633	0.0000	0.2765
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.6922	0.1026	0.6922	0.0000	0.2116
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2188	0.0391	0.2188	0.2000	0.1126
cyclopentane	0.7037	0.2963	0.7037	0.3684	0.6911
cylinder-bands	0.6852	0.3148	0.6852	0.3139	0.7607
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7790	0.2210	0.7790	0.0000	0.3738
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.8649	0.0450	0.8649	0.8271	0.1166
desharnais	0.6250	0.2500	0.6250	0.0000	0.3193
dexter	0.8667	0.1333	0.8667	0.7333	0.4919
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.4807	0.4181
diabetes	0.7692	0.2308	0.7692	0.4621	0.5724
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5417	0.4583	0.5417	-0.0476	0.9193
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5417	0.4583	0.5417	0.0359	0.6841
dropout	0.7156	0.1896	0.7156	0.4788	0.3064
drug-01	0.3989	0.1717	0.3989	0.0034	0.3246
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4415	0.1596	0.4415	0.2689	0.3475
drug-07	0.4415	0.1596	0.4415	0.0324	0.3184
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5798	0.1201	0.5798	0.0000	0.2556
drug-14	0.5691	0.1231	0.5691	0.0000	0.2602
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5213	0.1368	0.5213	0.0000	0.2706
drug-17	0.3670	0.1809	0.3670	0.0796	0.4023
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.8670	0.0380	0.8670	0.8366	0.1611
ecoli	0.6471	0.0882	0.6471	0.4205	0.2014
ecoliCP-IM	0.9091	0.0909	0.9091	0.7925	0.2605

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.7576	0.2424	0.7576	0.0000	0.3942
ecoliMU	0.9091	0.0909	0.9091	0.0000	0.2092
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.3745	0.0782	0.3745	0.2852	0.4264
eeg-eye	0.7350	0.2650	0.7350	0.4422	0.6592
EPA_FHM	0.9344	0.0656	0.9344	0.0000	0.1655
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.6500	0.3500	0.6500	0.0278	0.6664
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8689	0.3013
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.0000	0.4380
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6301	0.1479	0.6301	0.5063	0.3151
euthyroid	0.9019	0.0981	0.9019	0.0000	0.2206
exon.vs.intron-freq	0.9291	0.0709	0.9291	0.8574	0.3289
fbis-wc	0.6016	0.0469	0.6016	0.5199	0.2151
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4000	0.1500	0.4000	0.1724	0.2978
fontaine_MACCS	0.7500	0.2500	0.7500	0.4372	0.7591
fonts10%	0.4110	0.0077	0.4110	0.3483	0.2750
forest	0.8269	0.0865	0.8269	0.7590	0.1481
gas	0.9612	0.0129	0.9612	0.9528	0.0695
gastrointestinal	0.5625	0.2917	0.5625	0.1450	0.3546
gender	0.5895	0.2737	0.5895	0.0000	0.3139
gene	0.7792	0.1472	0.7792	0.6103	0.3116
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.9135	0.0865	0.9135	0.8270	0.3914
glass	0.5238	0.1587	0.5238	0.2953	0.3283
glassBWFP	0.6190	0.3810	0.6190	0.0000	0.4912
glassBWNFP	0.6190	0.3810	0.6190	-0.0909	0.8444
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.7619	0.2381	0.7619	0.0000	0.3902
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6750	0.5548
green	0.7000	0.3000	0.7000	0.0000	0.4416
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.4000	0.3000	0.4000	0.1615	0.5633
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.9058	0.0157	0.9058	0.8875	0.0881
har70	0.6884	0.0890	0.6884	0.4611	0.1678
harth10%	0.4938	0.0844	0.4938	0.1029	0.2621
hayes-roth	0.3750	0.4167	0.3750	-0.0667	0.6327
hcc-survival	0.5294	0.4706	0.5294	-0.1148	0.8847
heart	0.7407	0.2593	0.7407	0.4392	0.7429
heart-c	0.7667	0.2333	0.7667	0.5205	0.6223
hepatitis	0.8000	0.2000	0.8000	0.0000	0.3522

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8437	0.1563	0.8437	0.6876	0.5585
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.7692	0.2308	0.7692	0.0000	0.3833
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.6694	0.3306	0.6694	0.3235	0.8119
higher	0.2143	0.1964	0.2143	0.0065	0.3503
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.5278	0.3148	0.5278	0.0000	0.3606
htru2	0.9084	0.0916	0.9084	0.0000	0.2103
ht-sensor	0.8777	0.0815	0.8777	0.8153	0.2662
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9231	0.0769	0.9231	0.0000	0.1858
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.7714	0.2286	0.7714	0.3396	0.4011
iris	0.8667	0.0889	0.8667	0.8013	0.2215
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.8126	0.0144	0.8126	0.8051	0.1674
jm1	0.8062	0.1938	0.8062	0.0000	0.3455
fvowels	0.8524	0.0328	0.8524	0.8316	0.1702
kc1	0.8436	0.1564	0.8436	0.0000	0.3019
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4118	0.7427
kc1-class-level-numericdefect	0.5738	0.0354	0.5800	0.2487	0.2150
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.0000	0.3643
kidney-disease	0.9000	0.1000	0.9000	0.7746	0.2781
krkopt	0.4100	0.0656	0.4100	0.3141	0.3966
krvskp	0.9718	0.0282	0.9718	0.9435	0.1685
la1s-wc	0.6698	0.1101	0.6698	0.5554	0.2493
la2s-wc	0.6589	0.1137	0.6589	0.5405	0.2918
labor	0.8333	0.1667	0.8333	0.5714	0.3522
leaf	0.6777	0.0160	0.6675	0.6715	0.0628
led24	0.6500	0.0700	0.6500	0.6034	0.1421
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8255	0.0134	0.8255	0.8185	0.1842
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.4286	0.5714	0.4286	-0.2727	1.0000
libra	0.6389	0.0481	0.6389	0.6123	0.1667
linkage10%	0.9963	0.0037	0.9963	0.0000	0.0166
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.4622	0.0978	0.4622	0.2245	0.3020
lrs	0.3962	0.1208	0.3962	0.0000	0.2643
lsvt	0.6923	0.3077	0.6923	0.0000	0.4472
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7000	0.1200	0.7000	0.0000	0.2315
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.0000	0.3145
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.3750	0.1786	0.3750	0.1667	0.2890
lupus	0.5556	0.4444	0.5556	0.0000	0.5164
lymphography	0.6429	0.1786	0.6429	0.1954	0.2336
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.8308	0.1692	0.8308	0.6615	0.6018
magic04	0.6486	0.3514	0.6486	0.0000	0.4753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6430	0.6156
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.7327	0.1782	0.7327	0.5870	0.4525
messidor	0.6522	0.3478	0.6522	0.2824	0.8798
meter-A	0.5000	0.5000	0.5000	-0.0667	0.9927
meter-B	0.4444	0.3704	0.4444	0.0000	0.3901
meter-C	0.8333	0.0833	0.8333	0.7642	0.1627
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9100	0.0180	0.9100	0.9000	0.1036
mfeat-fou	0.7650	0.0470	0.7650	0.7389	0.2398
mfeat-kar	0.8750	0.0250	0.8750	0.8611	0.1442
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2128
mfeat-pix	0.9100	0.0180	0.9100	0.9000	0.1054
mfeat-zer	0.6950	0.0610	0.6950	0.6611	0.2339
mice-prot	0.9537	0.0116	0.9537	0.9469	0.0462
mines	0.5000	0.2000	0.5000	0.3751	0.4872
mobile	0.6783	0.0115	0.6783	0.6725	0.1431
monks-1	0.7636	0.2364	0.7636	0.5305	0.5720
monks-2	0.6393	0.3607	0.6393	-0.0323	0.6755
monks-3	0.9286	0.0714	0.9286	0.8562	0.2551
mushroom	0.9988	0.0012	0.9988	0.9975	0.0115
musk	0.8455	0.1545	0.8455	0.0000	0.2996
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9709
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9962
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.8639
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2219	0.8846
MUT_ci300400a	0.7531	0.2469	0.7531	0.4706	0.6755
MUT_ci300400a_cdk_ECFP2	0.6823	0.3177	0.6823	0.2767	0.6244
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.9598	0.0402	0.9598	0.9195	0.2250
nci9	0.3333	0.1481	0.3333	0.2500	0.1482
ncRNA10%	0.7777	0.0234	0.7777	0.0000	0.1370
newspop	0.6380	0.3620	0.6380	0.2517	0.8168
new-thyroid	0.7143	0.1905	0.7143	0.0000	0.2774
new-thyroidT	0.8571	0.1429	0.8571	0.0000	0.2846
NHANES_age_prediction	0.8414	0.1586	0.8414	0.0000	0.3047
nomao	0.7145	0.2855	0.7145	0.0000	0.4307
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0000	0.3630
nursery	0.9313	0.0275	0.9313	0.8983	0.0810
obs	0.6852	0.1574	0.6852	0.4633	0.2609
occupancy	0.7690	0.2310	0.7690	0.0000	0.3835
Occupancy_Estimation	0.8124	0.0938	0.8124	0.0000	0.1814
oh0-wc	0.8317	0.0337	0.8317	0.8043	0.1266
oh10-wc	0.7143	0.0571	0.7143	0.6701	0.2213
oh15-wc	0.6848	0.0630	0.6848	0.6331	0.2329
oh5-wc	0.7033	0.0593	0.7033	0.6585	0.2088
opn310k	0.9091	0.0909	0.9091	0.0000	0.2092
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.9146	0.0171	0.9146	0.9050	0.1153
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.6750	0.0163	0.6750	0.6667	0.0635
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.8800	0.1200	0.8800	0.7191	0.3038
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9031	0.0388	0.9031	0.0000	0.0975

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.7368	0.2632	0.7368	0.0000	0.4125
particle	0.7194	0.2806	0.7194	0.0000	0.4268
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.7500	0.2500	0.7500	0.0000	0.4011
pediatric-leukemia	0.6765	0.0924	0.6765	0.5890	0.2183
pendigits	0.9563	0.0087	0.9563	0.9514	0.0681
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.6598	0.3402	0.6598	0.0000	0.4687
P-Glycoprotein_b_Substrate	0.7400	0.2600	0.7400	0.4800	0.7085
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7455	0.5050
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.7500	0.2500	0.7500	0.4186	0.4373
phishing	0.9429	0.0571	0.9429	0.8792	0.2902
phoneme	0.7167	0.2833	0.7167	0.0000	0.4290
phy	0.6928	0.3072	0.6928	0.3850	0.8183
pima	0.5921	0.4079	0.5921	-0.0261	0.6586
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.5139	0.0972	0.5139	0.0325	0.1858
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.6422	0.3578	0.6422	0.0000	0.4790
popularity	0.6313	0.2458	0.6313	0.0000	0.2921
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9246	0.0302	0.9246	0.9057	0.1438
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.1818	0.0744	0.1818	0.0000	0.3153
profb	0.6716	0.3284	0.6716	0.0000	0.4612
promoters	0.7000	0.3000	0.7000	0.3478	0.8165
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8861	0.0456	0.8861	0.8426	0.1315
pufs-6410%	0.5010	0.4990	0.5010	0.0020	0.9975
raisin	0.8889	0.1111	0.8889	0.7778	0.4633
re0-wc	0.5667	0.0667	0.5667	0.3174	0.2386
re1-wc	0.5602	0.0352	0.5602	0.4546	0.2264
rejafada	0.9648	0.0352	0.9648	0.0000	0.1039
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9375	0.0250	0.9375	0.9154	0.0564
rocket	0.6081	0.3919	0.6081	0.0497	0.5652
RT_IOT2022	0.7689	0.0385	0.7689	0.0000	0.1480
satimage	0.8460	0.0513	0.8460	0.8072	0.1761
satimageF	0.8911	0.1089	0.8911	0.0000	0.2371
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.2857	0.2041	0.2857	-0.1667	0.3973
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.5294	0.4706	0.5294	0.0588	0.8947
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.8757	0.1243	0.8757	0.7424	0.3971
segment	0.9481	0.0148	0.9481	0.9392	0.0573
segmentO	0.8528	0.1472	0.8528	0.0000	0.2903

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9785	0.0039	0.9785	0.9763	0.0362
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8459	0.1541	0.8459	0.0000	0.2991
shuttle	0.7859	0.0612	0.7859	0.0000	0.1287
sick	0.9337	0.0663	0.9337	0.0000	0.1669
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.7923	0.2077	0.7923	0.0000	0.3603
smk_can_187	0.6316	0.3684	0.6316	0.2811	0.7662
solar-flare	0.7410	0.0863	0.7410	0.6639	0.1978
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.6912	0.0325	0.6912	0.6488	0.1369
spambase	0.8913	0.1087	0.8913	0.7637	0.3743
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.5987	0.0168	0.6051	0.5685	0.0921
splice-EI	0.7476	0.2524	0.7476	0.0000	0.4032
splice-IE	0.7634	0.2366	0.7634	0.0000	0.3888
sport-articles	0.7300	0.2700	0.7300	0.3182	0.4416
squash-stored	0.8000	0.1333	0.8000	0.6667	0.1393
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.7720	0.1520	0.7720	0.5904	0.2998
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6974	0.3026	0.6974	0.1728	0.5316
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.3846	0.4103	0.3846	0.0000	0.5640
student-weekend	0.3846	0.2462	0.3846	0.0000	0.3498
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7768	0.2232	0.7768	0.5393	0.6330
swarm_aligned	0.7218	0.2782	0.7218	0.1444	0.4326
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	0.9971	0.0029	0.9971	0.9938	0.0204
tae	0.4667	0.3556	0.4667	0.2000	0.6796
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9527	0.0086	0.9527	0.9479	0.0658
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.7789	0.2211	0.7789	0.4099	0.4011
tis	0.7524	0.2476	0.7524	0.0000	0.3989
titanic	0.6773	0.3227	0.6773	0.0000	0.4575
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.7059	0.1471	0.7059	0.6101	0.2476
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7600	0.2400	0.7600	0.0000	0.3920
trec11-wc	0.6829	0.0705	0.6829	0.5750	0.2042
trec12-wc	0.7419	0.0645	0.7419	0.6728	0.1444

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.6667	0.1111	0.6667	0.4769	0.2212
trec31-wc	0.8065	0.0553	0.8065	0.7244	0.1459
trec41-wc	0.8182	0.0364	0.8182	0.7665	0.1196
trec45-wc	0.6957	0.0609	0.6957	0.6268	0.1786
tuandromd	0.7982	0.2018	0.7982	0.0000	0.3541
turkish	0.7250	0.1375	0.7250	0.6333	0.3311
tvnews	0.7404	0.2596	0.7404	0.3486	0.5260
urban	0.7761	0.0498	0.7761	0.7330	0.1684
vehicle	0.7381	0.1310	0.7381	0.6475	0.2442
vehicleVAN	0.7500	0.2500	0.7500	0.0000	0.4011
voice	0.6667	0.3333	0.6667	0.0000	0.4644
vote	0.8140	0.1860	0.8140	0.6309	0.4230
vowel	0.5152	0.0882	0.5152	0.4667	0.2964
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.4808	0.0519	0.4808	0.3734	0.2596
warpar10p	0.6154	0.0769	0.6154	0.5724	0.0861
warppiel10p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8658	0.0384	0.8658	0.8428	0.1743
watch-gyr10%	0.8814	0.0339	0.8814	0.8614	0.1592
waveform	0.8180	0.1213	0.8180	0.7271	0.4033
web-phishing	0.8222	0.1185	0.8222	0.6630	0.3083
weight-lift	0.9085	0.0366	0.9085	0.8832	0.1319
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0549
wilt	0.9503	0.0497	0.9503	0.0000	0.1349
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5849	0.1384	0.5849	0.2959	0.3178
winequality-white	0.4928	0.1449	0.4928	0.1047	0.3079
winnipeg	0.9604	0.0113	0.9604	0.9496	0.0548
yale	0.5625	0.0583	0.5625	0.5314	0.0914
yeast	0.4392	0.1122	0.4392	0.2470	0.3552
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.8559	0.0288	0.8559	0.8370	0.1485
zoo	0.3000	0.2000	0.3000	0.0000	0.3070

Table 103: Detailed results for LaGaBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1645	0.0587	0.1633	0.0745	0.5200
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.0783	0.4950
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.6667	0.3333	0.6667	0.0000	0.4644
anneal	0.7079	0.1169	0.7079	0.0000	0.2204
antivirus	0.8108	0.1892	0.8108	0.0000	0.3405
anuran-family	0.6147	0.1926	0.6147	0.0000	0.2485
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.5772	0.1057	0.5772	0.0000	0.2370
anuran-species	0.4833	0.1033	0.4833	0.0000	0.2803
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.6500	0.3500	0.6500	0.1463	0.4848
arrhythmia	0.5556	0.0684	0.5556	0.0000	0.2376
auction	0.8725	0.1275	0.8725	0.0000	0.2639
audiology	0.8718	0.0106	0.8509	0.8473	0.0219
audit-risk	0.6154	0.3846	0.6154	0.0386	0.4953
autism-adolescent	0.7273	0.2727	0.7273	0.2979	0.4416
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.2500	0.2500	0.2500	-0.0714	0.4295
avila	0.4106	0.0982	0.4106	0.0000	0.2872
balance	0.8226	0.1183	0.8226	0.6670	0.3118
bank	0.8874	0.1126	0.8874	0.0000	0.2427
banknote	0.8978	0.1022	0.8978	0.7897	0.3818

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.6382	0.3618	0.6382	0.0000	0.4812
basehock	0.9146	0.0854	0.9146	0.8291	0.3883
bio	0.9911	0.0089	0.9911	0.0000	0.0350
biodeg	0.6190	0.3810	0.6190	0.0000	0.4912
biomed	0.6190	0.3810	0.6190	0.0000	0.4912
bitcoin10%	1.0000	0.0008	1.0000	0.4097	0.1818
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.5455	0.4545	0.5455	0.0000	0.5193
breast-cancer-ma	0.3636	0.6364	0.3636	-0.3509	1.0000
breast-tissue	0.1818	0.2727	0.1818	0.0000	0.3865
bridges	0.5000	0.1429	0.5000	0.0000	0.2906
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.0000	0.3723
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.6522	0.3478	0.6522	0.0000	0.4732
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.7536	0.2464	0.7536	0.4557	0.5590
cardiotocography	0.2723	0.1455	0.2723	0.0000	0.3452
cardiotocography-nsp	0.7793	0.1471	0.7793	0.0000	0.2332
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6250	0.2500	0.6250	0.0000	0.3255
cas_N6512_cdk_ECFP2	0.6252	0.3748	0.6252	0.2053	0.6964
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9402	0.0598	0.9402	0.0000	0.1548
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.6279	0.3721	0.6279	0.0000	0.4867
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.6364	0.3636	0.6364	0.0000	0.4822
ci200186m_DESC_PADEL	0.6296	0.3704	0.6296	0.0000	0.4858
ci200186m_ExtendedFingerprinter	0.6182	0.3818	0.6182	-0.0359	0.6932
ci900367j_MACCS	0.6316	0.3684	0.6316	0.0343	0.4868
cirrhosis	0.5714	0.2857	0.5714	0.0000	0.3038
cjs	0.4464	0.1845	0.4464	0.2811	0.2460
ckd	0.6500	0.3500	0.6500	0.0000	0.4745
clave	0.6750	0.1625	0.6750	0.4595	0.3515
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5000	0.3333	0.5000	0.0526	0.5456
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.4422	0.3719	0.4422	0.0257	0.3908
cnae-9	0.7130	0.0638	0.7130	0.6771	0.2728
codon_usage	0.5710	0.0780	0.5710	0.4537	0.2767
coil20	0.9444	0.0056	0.9444	0.9415	0.0308
collins	0.3000	0.0933	0.3000	0.1780	0.2759
colon-tumor	0.6667	0.3333	0.6667	0.0000	0.4644
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.5862	0.4138	0.5862	0.0000	0.5057
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7241	0.2759	0.7241	0.4396	0.6621
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.6774	0.3226	0.6774	0.0000	0.4574
column-3c	0.4839	0.3441	0.4839	0.0000	0.3769
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.6899	0.3101	0.6899	0.3798	0.8338
coupon	0.5686	0.4314	0.5686	0.0000	0.5122
covtype	0.4876	0.1464	0.4876	0.0000	0.2412
covtypeCD	0.8633	0.1367	0.8633	0.0000	0.2765
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.6922	0.1026	0.6922	0.0000	0.2116
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0000	0.0500	0.0000	0.0000	0.3856
cyclopentane	0.5556	0.4444	0.5556	0.0000	0.5164
cylinder-bands	0.5926	0.4074	0.5926	0.0496	0.5062
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.7790	0.2210	0.7790	0.0000	0.3738
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.2973	0.2342	0.2973	0.0000	0.3667
desharnais	0.6250	0.2500	0.6250	0.0000	0.3193
dexter	0.8667	0.1333	0.8667	0.7333	0.4919
dhfr_cdk_ECFP2	0.6053	0.3947	0.6053	0.0000	0.4977
diabetes	0.6154	0.3846	0.6154	0.0000	0.4929
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	0.5833	0.4167	0.5833	0.0000	0.5068
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5274	0.4726	0.5274	0.0002	0.5237
dropout	0.4989	0.3341	0.4989	0.0053	0.3710
drug-01	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4202	0.1657	0.4202	0.2400	0.3607
drug-07	0.4362	0.1611	0.4362	0.0106	0.2505
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5798	0.1201	0.5798	0.0000	0.2556
drug-14	0.5691	0.1231	0.5691	0.0000	0.2602
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5213	0.1368	0.5213	0.0000	0.2706
drug-17	0.3245	0.1930	0.3245	0.0000	0.3521
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.2608	0.2112	0.2608	0.0000	0.3690
ecoli	0.4412	0.1397	0.4412	0.0000	0.2765
ecoliCP-IM	0.6364	0.3636	0.6364	0.0000	0.4822

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.7576	0.2424	0.7576	0.0000	0.3942
ecoliMU	0.9091	0.0909	0.9091	0.0000	0.2092
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.1469	0.1066	0.1469	0.0033	0.3665
eeg-eye	0.6008	0.3992	0.6008	0.1222	0.5396
EPA_FHM	0.9344	0.0656	0.9344	0.0000	0.1655
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.0000	0.4929
er_tox_cdk_ECFP2	0.6333	0.3667	0.6333	-0.0329	0.6789
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.8710	0.1290	0.8710	0.7328	0.3419
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.0000	0.4380
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.4795	0.2082	0.4795	0.2812	0.3560
euthyroid	0.9019	0.0981	0.9019	0.0000	0.2206
exon.vs.intron-freq	0.9170	0.0830	0.9170	0.8325	0.3457
fbis-wc	0.2073	0.0933	0.2073	0.0000	0.3505
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.3000	0.1750	0.3000	0.0000	0.3283
fontaine_MACCS	0.6136	0.3864	0.6136	-0.0447	0.7249
fonts10%	0.2080	0.0104	0.2080	0.1171	0.2936
forest	0.5577	0.2212	0.5577	0.3679	0.2502
gas	0.6024	0.1325	0.6024	0.5002	0.2482
gastrointestinal	0.5000	0.3333	0.5000	0.0000	0.3718
gender	0.5895	0.2737	0.5895	0.0000	0.3139
gene	0.5110	0.3260	0.5110	0.0000	0.3731
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.8963	0.1037	0.8963	0.7923	0.4402
glass	0.5238	0.1587	0.5238	0.2606	0.3350
glassBWFP	0.6190	0.3810	0.6190	0.0000	0.4912
glassBWNFP	0.6190	0.3810	0.6190	-0.0909	0.8444
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.7619	0.2381	0.7619	0.0000	0.3902
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.2000	0.4000	0.2000	0.0000	0.3270
glioma-grade	0.5714	0.4286	0.5714	-0.0237	0.6514
green	0.7000	0.3000	0.7000	0.0000	0.4416
GREY_MAO_DESC_PADEL	0.5714	0.4286	0.5714	0.0000	0.5112
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.4000	0.3000	0.4000	0.1346	0.4553
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.7704	0.0383	0.7704	0.7251	0.1364
har70	0.4777	0.1492	0.4777	0.0000	0.2651
harth10%	0.4492	0.0918	0.4492	0.0000	0.2692
hayes-roth	0.3750	0.4167	0.3750	-0.0667	0.6327
hcc-survival	0.5882	0.4118	0.5882	0.0000	0.5049
heart	0.7037	0.2963	0.7037	0.3077	0.4644
heart-c	0.6333	0.3667	0.6333	0.2326	0.7201
hepatitis	0.8000	0.2000	0.8000	0.0000	0.3522

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8412	0.1588	0.8412	0.6826	0.5628
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.7692	0.2308	0.7692	0.0000	0.3833
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.5845	0.4155	0.5845	0.1250	0.6170
higher	0.2143	0.1964	0.2143	0.0000	0.3747
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.5278	0.3148	0.5278	0.0000	0.3606
htru2	0.9084	0.0916	0.9084	0.0000	0.2103
ht-sensor	0.8377	0.1082	0.8377	0.7539	0.3055
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9231	0.0769	0.9231	0.0000	0.1858
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.6857	0.3143	0.6857	0.0000	0.4518
iris	0.8667	0.0889	0.8667	0.8013	0.2215
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.8228	0.0136	0.8228	0.8158	0.1435
jm1	0.8062	0.1938	0.8062	0.0000	0.3455
fvowels	0.3002	0.1555	0.3002	0.1726	0.3663
kc1	0.8436	0.1564	0.8436	0.0000	0.3019
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.1935	0.4786
kc1-class-level-numericdefect	0.5770	0.0361	0.5824	0.2493	0.2149
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.0000	0.3643
kidney-disease	0.6250	0.3750	0.6250	0.0000	0.4882
krkopt	0.2816	0.0798	0.2816	0.1550	0.3737
krvskp	0.9718	0.0282	0.9718	0.9435	0.1685
la1s-wc	0.4349	0.1884	0.4349	0.2058	0.3413
la2s-wc	0.4702	0.1766	0.4702	0.2554	0.3423
labor	0.6667	0.3333	0.6667	0.0000	0.4644
leaf	0.6662	0.0165	0.6830	0.6528	0.0635
led24	0.3000	0.1400	0.3000	0.1765	0.3147
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8235	0.0136	0.8235	0.8164	0.1865
leukemia	0.7143	0.1905	0.7143	0.5333	0.1786
leukemia2	0.4286	0.5714	0.4286	-0.2727	1.0000
libra	0.6389	0.0481	0.6389	0.6132	0.1591
linkage10%	0.9963	0.0037	0.9963	0.0000	0.0166
liver	0.6471	0.3529	0.6471	-0.0570	0.7599
localization	0.3305	0.1217	0.3305	0.0000	0.3083
lrs	0.3962	0.1208	0.3962	0.0000	0.2643
lsvt	0.6923	0.3077	0.6923	0.0000	0.4472
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7000	0.1200	0.7000	0.0000	0.2315
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.0000	0.3145
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.5556	0.4444	0.5556	0.0000	0.5164
lymphography	0.6429	0.1786	0.6429	0.1954	0.2336
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.8077	0.1923	0.8077	0.6154	0.6437
magic04	0.6486	0.3514	0.6486	0.0000	0.4753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6196	0.6102
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.5545	0.2970	0.5545	0.2946	0.4942
messidor	0.6261	0.3739	0.6261	0.1887	0.8323
meter-A	0.7500	0.2500	0.7500	0.3846	0.4308
meter-B	0.4444	0.3704	0.4444	0.0000	0.3901
meter-C	0.7778	0.1111	0.7778	0.6842	0.2189
meter-D	0.8333	0.0833	0.8333	0.7632	0.1669
mfeat-fac	0.9000	0.0200	0.9000	0.8889	0.1130
mfeat-fou	0.7450	0.0510	0.7450	0.7167	0.2301
mfeat-kar	0.8600	0.0280	0.8600	0.8444	0.1578
mfeat-mor	0.6600	0.0680	0.6600	0.6222	0.2168
mfeat-pix	0.9050	0.0190	0.9050	0.8944	0.1056
mfeat-zer	0.6500	0.0700	0.6500	0.6111	0.2966
mice-prot	0.9074	0.0231	0.9074	0.8936	0.0296
mines	0.5000	0.2000	0.5000	0.3676	0.3778
mobile	0.8182	0.0065	0.8182	0.8149	0.0834
monks-1	0.7273	0.2727	0.7273	0.4590	0.5982
monks-2	0.6393	0.3607	0.6393	-0.0323	0.6755
monks-3	0.9286	0.0714	0.9286	0.8562	0.2551
mushroom	0.9988	0.0012	0.9988	0.9975	0.0115
musk	0.8455	0.1545	0.8455	0.0000	0.2996
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9796
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9962
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8284
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.2651	0.4950
MUT_ci300400a	0.5739	0.4261	0.5739	0.0000	0.5103
MUT_ci300400a_cdk_ECFP2	0.5839	0.4161	0.5839	0.0033	0.5068
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.9581	0.0419	0.9581	0.9161	0.2318
nci9	0.1667	0.1852	0.1667	0.1176	0.2524
ncRNA10%	0.7777	0.0234	0.7777	0.0000	0.1370
newspop	0.5696	0.4304	0.5696	0.0881	0.6544
new-thyroid	0.7143	0.1905	0.7143	0.0000	0.2774
new-thyroidT	0.8571	0.1429	0.8571	0.0000	0.2846
NHANES_age_prediction	0.8414	0.1586	0.8414	0.0000	0.3047
nomao	0.7145	0.2855	0.7145	0.0000	0.4307
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0000	0.3630
nursery	0.9336	0.0265	0.9336	0.9017	0.0812
obs	0.4630	0.2685	0.4630	0.0000	0.3435
occupancy	0.7690	0.2310	0.7690	0.0000	0.3835
Occupancy_Estimation	0.8124	0.0938	0.8124	0.0000	0.1814
oh0-wc	0.3465	0.1307	0.3465	0.2026	0.3412
oh10-wc	0.4286	0.1143	0.4286	0.3240	0.3683
oh15-wc	0.3043	0.1391	0.3043	0.1579	0.3791
oh5-wc	0.3736	0.1253	0.3736	0.2605	0.3300
opn310k	0.9091	0.0909	0.9091	0.0000	0.2092
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.9057	0.0189	0.9057	0.8951	0.1293
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.0500	0.0475	0.0500	0.0256	0.4122
orlraws10P	0.2000	0.1600	0.2000	0.1111	0.3505
ovarian-cancer	0.6400	0.3600	0.6400	0.0000	0.4802
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9031	0.0388	0.9031	0.0000	0.0975

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.6500	0.3500	0.6500	0.1647	0.4865
parkinsons	0.7368	0.2632	0.7368	0.0000	0.4125
particle	0.7194	0.2806	0.7194	0.0000	0.4268
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.7500	0.2500	0.7500	0.0000	0.4011
pediatric-leukemia	0.4412	0.1597	0.4412	0.2709	0.2935
pendigits	0.9527	0.0095	0.9527	0.9474	0.0735
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.6598	0.3402	0.6598	0.0000	0.4687
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.7583
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6301	0.6079
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3684	0.7294
Pgp_desc	0.6500	0.3500	0.6500	0.1463	0.4848
phishing	0.8857	0.1143	0.8857	0.7500	0.3901
phoneme	0.7167	0.2833	0.7167	0.0000	0.4290
phy	0.6904	0.3096	0.6904	0.3800	0.8064
pima	0.6053	0.3947	0.6053	0.0000	0.4977
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.5024	0.0995	0.5024	0.0060	0.1739
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.6422	0.3578	0.6422	0.0000	0.4790
popularity	0.6313	0.2458	0.6313	0.0000	0.2921
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9261	0.0296	0.9261	0.9076	0.1383
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.1818	0.0744	0.1818	0.0000	0.3153
profb	0.6716	0.3284	0.6716	0.0000	0.4612
promoters	0.7000	0.3000	0.7000	0.3478	0.8165
prostate	0.5714	0.4286	0.5714	0.0000	0.5112
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8371	0.0652	0.8371	0.7721	0.1609
pufs-6410%	0.4981	0.5019	0.4981	-0.0038	0.9978
raisin	0.8889	0.1111	0.8889	0.7778	0.4633
re0-wc	0.4000	0.0923	0.4000	0.0000	0.2839
re1-wc	0.4217	0.0463	0.4217	0.2693	0.2735
rejafada	0.9648	0.0352	0.9648	0.0000	0.1039
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.3750	0.2500	0.3750	0.0000	0.3593
rocket	0.5936	0.4064	0.5936	0.0042	0.5030
RT_IOT2022	0.7689	0.0385	0.7689	0.0000	0.1480
satimage	0.6392	0.1203	0.6392	0.5338	0.2534
satimageF	0.8911	0.1089	0.8911	0.0000	0.2371
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.2857	0.2041	0.2857	-0.1667	0.3973
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.4706	0.5294	0.4706	-0.0588	0.8605
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.7572	0.2428	0.7572	0.4813	0.4829
segment	0.9264	0.0210	0.9264	0.9140	0.1032
segmentO	0.8528	0.1472	0.8528	0.0000	0.2903

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9723	0.0050	0.9723	0.9695	0.0437
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8459	0.1541	0.8459	0.0000	0.2991
shuttle	0.7859	0.0612	0.7859	0.0000	0.1287
sick	0.9337	0.0663	0.9337	0.0000	0.1669
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.7923	0.2077	0.7923	0.0000	0.3603
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.5108	0.1631	0.5108	0.3491	0.2610
sonar	0.6000	0.4000	0.6000	0.2000	0.7816
soybean	0.4706	0.0557	0.4706	0.3898	0.2451
spambase	0.6065	0.3935	0.6065	0.0066	0.4975
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.6168	0.0162	0.5946	0.5711	0.0957
splice-EI	0.7476	0.2524	0.7476	0.0000	0.4032
splice-IE	0.7634	0.2366	0.7634	0.0000	0.3888
sport-articles	0.6400	0.3600	0.6400	0.0338	0.4822
squash-stored	0.6000	0.2667	0.6000	0.3333	0.3447
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.5160	0.3227	0.5160	0.0000	0.3699
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6513	0.3487	0.6513	0.0000	0.4738
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.3077	0.4615	0.3077	-0.1250	0.5901
student-weekend	0.3846	0.2462	0.3846	0.0000	0.3498
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7110	0.2890	0.7110	0.3899	0.5545
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	0.9975	0.0025	0.9975	0.9950	0.0241
swarm_grouped	0.6249	0.3751	0.6249	0.0000	0.4882
tae	0.6000	0.2667	0.6000	0.4000	0.4948
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9200	0.0145	0.9200	0.9118	0.0918
theorem	0.5827	0.4173	0.5827	0.0000	0.5071
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.6632	0.3368	0.6632	0.0000	0.4666
tis	0.7524	0.2476	0.7524	0.0000	0.3989
titanic	0.6773	0.3227	0.6773	0.0000	0.4575
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.7059	0.1471	0.7059	0.6028	0.3414
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7600	0.2400	0.7600	0.0000	0.3920
trec11-wc	0.3171	0.1518	0.3171	0.0000	0.3354
trec12-wc	0.2903	0.1774	0.2903	0.0000	0.3607

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.4286	0.1905	0.4286	0.0000	0.3116
trec31-wc	0.3763	0.1782	0.3763	0.0000	0.3066
trec41-wc	0.2841	0.1432	0.2841	0.0000	0.3263
trec45-wc	0.3623	0.1275	0.3623	0.1797	0.3204
tuandromd	0.7982	0.2018	0.7982	0.0000	0.3541
turkish	0.6750	0.1625	0.6750	0.5667	0.4018
tvnews	0.6342	0.3658	0.6342	0.0003	0.4834
urban	0.6269	0.0829	0.6269	0.5458	0.2412
vehicle	0.6786	0.1607	0.6786	0.5669	0.3820
vehicleVAN	0.7500	0.2500	0.7500	0.0000	0.4011
voice	0.6667	0.3333	0.6667	0.0000	0.4644
vote	0.5116	0.4884	0.5116	0.0444	0.5283
vowel	0.5152	0.0882	0.5152	0.4667	0.2450
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.2179	0.0782	0.2179	0.0000	0.3484
warpar10p	0.0769	0.1846	0.0769	0.0000	0.4033
warppiel0p	0.1429	0.1714	0.1429	0.0526	0.3866
watch-acc10%	0.7533	0.0705	0.7533	0.7098	0.2078
watch-gyr10%	0.9112	0.0254	0.9112	0.8962	0.1057
waveform	0.8040	0.1307	0.8040	0.7059	0.4245
web-phishing	0.7037	0.1975	0.7037	0.4127	0.3317
weight-lift	0.2846	0.2862	0.2846	0.0004	0.3861
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0613
wilt	0.9503	0.0497	0.9503	0.0000	0.1349
wine	0.8235	0.1176	0.8235	0.6577	0.1778
winequality-red	0.5472	0.1509	0.5472	0.2272	0.3373
winequality-white	0.4458	0.1583	0.4458	-0.0031	0.2695
winnipeg	0.7172	0.0808	0.7172	0.6260	0.1523
yale	0.0625	0.1250	0.0625	0.0000	0.4106
yeast	0.3108	0.1378	0.3108	0.0829	0.3417
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.3011	0.1398	0.3011	0.1674	0.3483
zoo	0.3000	0.2000	0.3000	0.0000	0.3070

Table 104: Detailed results for LaGaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1632	0.0573	0.1597	0.0762	0.5099
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.7631	0.2369	0.7631	0.0000	0.3891
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.0783	0.4950
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.7692	0.2308	0.7692	0.0000	0.3833
all-aml	0.6667	0.3333	0.6667	0.0000	0.4644
anneal	0.7079	0.1169	0.7079	0.0000	0.2204
antivirus	0.8108	0.1892	0.8108	0.0000	0.3405
anuran-family	0.6147	0.1926	0.6147	0.0000	0.2485
anuran-f-b	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-genus	0.5772	0.1057	0.5772	0.0000	0.2370
anuran-species	0.4833	0.1033	0.4833	0.0000	0.2803
aps-failure	0.9820	0.0180	0.9820	0.0000	0.0617
arcene	0.6500	0.3500	0.6500	0.1463	0.4848
arrhythmia	0.5556	0.0684	0.5556	0.0000	0.2376
auction	0.8725	0.1275	0.8725	0.0000	0.2639
audiology	0.8670	0.0110	0.8583	0.8528	0.0223
audit-risk	0.6154	0.3846	0.6154	0.0386	0.4953
autism-adolescent	0.7273	0.2727	0.7273	0.2979	0.4416
autism-adult	0.7286	0.2714	0.7286	0.0000	0.4194
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.5500	0.1500	0.5500	0.3571	0.2512
avila	0.4106	0.0982	0.4106	0.0000	0.2872
balance	0.8226	0.1183	0.8226	0.6670	0.3118
bank	0.8874	0.1126	0.8874	0.0000	0.2427
banknote	0.8978	0.1022	0.8978	0.7897	0.3818

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.6000	0.4000	0.6000	0.0000	0.5000
barleyblumeria	0.6382	0.3618	0.6382	0.0000	0.4812
basehock	0.9146	0.0854	0.9146	0.8291	0.3883
bio	0.9911	0.0089	0.9911	0.0000	0.0350
biodeg	0.6190	0.3810	0.6190	0.0000	0.4912
biomed	0.6190	0.3810	0.6190	0.0000	0.4912
bitcoin10%	0.9679	0.0008	1.0000	0.4114	0.1818
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
block10%	0.9963	0.0037	0.9963	0.0000	0.0166
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.5455	0.4545	0.5455	0.0000	0.5193
breast-cancer-ma	0.3636	0.6364	0.3636	-0.3509	1.0000
breast-tissue	0.3636	0.2121	0.3636	0.2062	0.3312
bridges	0.5000	0.1429	0.5000	0.0000	0.2906
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.0000	0.3723
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.6522	0.3478	0.6522	0.0000	0.4732
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.7536	0.2464	0.7536	0.4557	0.5590
cardiotocography	0.2723	0.1455	0.2723	0.0000	0.3452
cardiotocography-nsp	0.7793	0.1471	0.7793	0.0000	0.2332
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6250	0.2500	0.6250	0.0000	0.3255
cas_N6512_cdk_ECFP2	0.6252	0.3748	0.6252	0.2053	0.6964
cdc_diabetes	0.8424	0.1051	0.8424	0.0000	0.1703
census10%	0.9402	0.0598	0.9402	0.0000	0.1548
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9302	0.0698	0.9302	0.0000	0.1731
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.6279	0.3721	0.6279	0.0000	0.4867
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.6364	0.3636	0.6364	0.0000	0.4822
ci200186m_DESC_PADEL	0.6296	0.3704	0.6296	0.0000	0.4858
ci200186m_ExtendedFingerprinter	0.6182	0.3818	0.6182	-0.0359	0.6932
ci900367j_MACCS	0.6316	0.3684	0.6316	0.0343	0.4868
cirrhosis	0.5714	0.2857	0.5714	0.0000	0.3038
cjs	0.6321	0.1226	0.6321	0.5265	0.1847
ckd	0.6500	0.3500	0.6500	0.0000	0.4745
clave	0.6954	0.1523	0.6954	0.4935	0.3356
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.4167	0.3889	0.4167	-0.0769	0.5868
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.4218	0.3855	0.4218	-0.0109	0.4421
cnae-9	0.7870	0.0473	0.7870	0.7604	0.2084
codon_usage	0.6861	0.0571	0.6861	0.6032	0.2281
coil20	0.8681	0.0132	0.8681	0.8611	0.0776
collins	0.3000	0.0933	0.3000	0.1694	0.3157
colon-tumor	0.6667	0.3333	0.6667	0.0000	0.4644
colposcopies-1	0.6552	0.3448	0.6552	0.0000	0.4715
colposcopies-2	0.6207	0.3793	0.6207	0.0000	0.4904
colposcopies-3	0.5862	0.4138	0.5862	0.0000	0.5057
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7241	0.2759	0.7241	0.4396	0.6621
colposcopies-c	0.7586	0.2414	0.7586	0.0000	0.3932
column-2c	0.6774	0.3226	0.6774	0.0000	0.4574
column-3c	0.4839	0.3441	0.4839	0.0000	0.3769
connect-4	0.9776	0.0149	0.9776	0.0000	0.0419
cottonmeloidogyne	0.6899	0.3101	0.6899	0.3798	0.8338
coupon	0.5686	0.4314	0.5686	0.0000	0.5122
covtype	0.4876	0.1464	0.4876	0.0000	0.2412
covtypeCD	0.8633	0.1367	0.8633	0.0000	0.2765
covtypeT	0.9301	0.0699	0.9301	0.0000	0.1733
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.0000	0.3475
crowdsourced	0.6922	0.1026	0.6922	0.0000	0.2116
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0000	0.0500	0.0000	0.0000	0.2217
cyclopentane	0.5556	0.4444	0.5556	0.0000	0.5164
cylinder-bands	0.5926	0.4074	0.5926	0.0496	0.5062
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.7790	0.2210	0.7790	0.0000	0.3738
deposit	0.8830	0.1170	0.8830	0.0000	0.2491
dermatology	0.2973	0.2342	0.2973	0.0000	0.3667
desharnais	0.6250	0.2500	0.6250	0.0000	0.3193
dexter	0.8667	0.1333	0.8667	0.7333	0.4919
dhfr_cdk_ECFP2	0.6053	0.3947	0.6053	0.0000	0.4977
diabetes	0.6154	0.3846	0.6154	0.0000	0.4929
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	0.5833	0.4167	0.5833	0.0000	0.5068
dishonest	0.6875	0.3125	0.6875	0.0000	0.4505
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5274	0.4726	0.5274	0.0002	0.5237
dropout	0.4989	0.3341	0.4989	0.0053	0.3710
drug-01	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3670	0.1809	0.3670	0.1634	0.3705
drug-07	0.4362	0.1611	0.4362	0.0100	0.2455
drug-08	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5798	0.1201	0.5798	0.0000	0.2556
drug-14	0.5691	0.1231	0.5691	0.0000	0.2602
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5213	0.1368	0.5213	0.0000	0.2706
drug-17	0.3245	0.1930	0.3245	0.0000	0.3521
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.4041	0.1703	0.4041	0.2050	0.3298
ecoli	0.4412	0.1397	0.4412	0.0000	0.2765
ecoliCP-IM	0.6364	0.3636	0.6364	0.0000	0.4822

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.7576	0.2424	0.7576	0.0000	0.3942
ecoliMU	0.9091	0.0909	0.9091	0.0000	0.2092
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.1542	0.1057	0.1542	0.0122	0.3681
eeg-eye	0.6008	0.3992	0.6008	0.1222	0.5396
EPA_FHM	0.9344	0.0656	0.9344	0.0000	0.1655
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.0000	0.4929
er_tox_cdk_ECFP2	0.6333	0.3667	0.6333	-0.0329	0.6789
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.0000	0.4711
er_tox_rdkit_FEATMORGAN	0.8710	0.1290	0.8710	0.7328	0.3419
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.0000	0.4380
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.5068	0.1973	0.5068	0.3185	0.3147
euthyroid	0.9019	0.0981	0.9019	0.0000	0.2206
exon.vs.intron-freq	0.9170	0.0830	0.9170	0.8325	0.3457
fbis-wc	0.4106	0.0693	0.4106	0.2684	0.2989
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.3000	0.1750	0.3000	0.0071	0.3433
fontaine_MACCS	0.6136	0.3864	0.6136	-0.0447	0.7249
fonts10%	0.2430	0.0099	0.2430	0.1503	0.3068
forest	0.5769	0.2115	0.5769	0.3928	0.2385
gas	0.5924	0.1359	0.5924	0.4844	0.2264
gastrointestinal	0.5000	0.3333	0.5000	0.0000	0.3718
gender	0.5895	0.2737	0.5895	0.0000	0.3139
gene	0.5110	0.3260	0.5110	0.0000	0.3731
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.8963	0.1037	0.8963	0.7923	0.4402
glass	0.5238	0.1587	0.5238	0.2759	0.2910
glassBWFP	0.6190	0.3810	0.6190	0.0000	0.4912
glassBWNFP	0.6190	0.3810	0.6190	-0.0909	0.8444
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.7619	0.2381	0.7619	0.0000	0.3902
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.7500	0.2500	0.7500	0.0000	0.4011
glioma	0.4000	0.3000	0.4000	0.2105	0.2869
glioma-grade	0.5714	0.4286	0.5714	-0.0237	0.6514
green	0.7000	0.3000	0.7000	0.0000	0.4416
GREY_MAO_DESC_PADEL	0.5714	0.4286	0.5714	0.0000	0.5112
GREY_MAO_ExtendedFingerprinter	0.5000	0.5000	0.5000	0.0000	0.5283
grub-damage	0.3333	0.3333	0.3333	0.0506	0.5454
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.8628	0.0229	0.8628	0.8358	0.1197
har70	0.4777	0.1492	0.4777	0.0000	0.2651
harth10%	0.4492	0.0918	0.4492	0.0000	0.2692
hayes-roth	0.3750	0.4167	0.3750	-0.0667	0.6327
hcc-survival	0.5882	0.4118	0.5882	0.0000	0.5049
heart	0.7037	0.2963	0.7037	0.3077	0.4644
heart-c	0.6333	0.3667	0.6333	0.2326	0.7201
hepatitis	0.8000	0.2000	0.8000	0.0000	0.3522

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8412	0.1588	0.8412	0.6826	0.5628
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.7692	0.2308	0.7692	0.0000	0.3833
HIA_desc	0.7000	0.3000	0.7000	0.0000	0.4416
higgs10%	0.5845	0.4155	0.5845	0.1250	0.6170
higher	0.2143	0.1964	0.2143	0.0000	0.3747
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.5278	0.3148	0.5278	0.0000	0.3606
htru2	0.9084	0.0916	0.9084	0.0000	0.2103
ht-sensor	0.8291	0.1140	0.8291	0.7399	0.2996
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9231	0.0769	0.9231	0.0000	0.1858
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.6857	0.3143	0.6857	0.0000	0.4518
iris	0.8667	0.0889	0.8667	0.8013	0.2215
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.7779	0.0171	0.7779	0.7690	0.1996
jm1	0.8062	0.1938	0.8062	0.0000	0.3455
jvowels	0.4488	0.1225	0.4488	0.3498	0.3019
kc1	0.8436	0.1564	0.8436	0.0000	0.3019
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.1935	0.4786
kc1-class-level-numericdefect	0.5595	0.0356	0.5663	0.2446	0.2173
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.0000	0.3643
kidney-disease	0.6250	0.3750	0.6250	0.0000	0.4882
krkopt	0.2278	0.0858	0.2278	0.0804	0.3693
krvskp	0.9718	0.0282	0.9718	0.9435	0.1685
la1s-wc	0.4476	0.1841	0.4476	0.2237	0.3157
la2s-wc	0.4834	0.1722	0.4834	0.2737	0.3171
labor	0.6667	0.3333	0.6667	0.0000	0.4644
leaf	0.6694	0.0158	0.6679	0.6696	0.0620
led24	0.1500	0.1700	0.1500	0.0000	0.3774
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.7840	0.0166	0.7840	0.7753	0.2043
leukemia	0.7143	0.1905	0.7143	0.5333	0.1786
leukemia2	0.4286	0.5714	0.4286	-0.2727	1.0000
libra	0.5000	0.0667	0.5000	0.4645	0.2318
linkage10%	0.9963	0.0037	0.9963	0.0000	0.0166
liver	0.6471	0.3529	0.6471	-0.0570	0.7599
localization	0.3305	0.1217	0.3305	0.0000	0.3083
lrs	0.3962	0.1208	0.3962	0.0000	0.2643
lsvt	0.6923	0.3077	0.6923	0.0000	0.4472
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7000	0.1200	0.7000	0.0000	0.2315
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.0000	0.3145
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.2500	0.2143	0.2500	0.0000	0.3217
lupus	0.5556	0.4444	0.5556	0.0000	0.5164
lymphography	0.6429	0.1786	0.6429	0.1954	0.2336
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.8077	0.1923	0.8077	0.6154	0.6437
magic04	0.6486	0.3514	0.6486	0.0000	0.4753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6196	0.6102
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.4851	0.3432	0.4851	0.1567	0.4011
messidor	0.6261	0.3739	0.6261	0.1887	0.8323
meter-A	0.7500	0.2500	0.7500	0.3846	0.4308
meter-B	0.4444	0.3704	0.4444	0.0000	0.3901
meter-C	0.8333	0.0833	0.8333	0.7621	0.1571
meter-D	0.8333	0.0833	0.8333	0.7632	0.1669
mfeat-fac	0.9050	0.0190	0.9050	0.8944	0.1100
mfeat-fou	0.7750	0.0450	0.7750	0.7500	0.2259
mfeat-kar	0.8550	0.0290	0.8550	0.8389	0.1677
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2139
mfeat-pix	0.8950	0.0210	0.8950	0.8833	0.1274
mfeat-zer	0.6700	0.0660	0.6700	0.6333	0.2531
mice-prot	0.8796	0.0301	0.8796	0.8618	0.1102
mines	0.5000	0.2000	0.5000	0.3704	0.3822
mobile	0.5944	0.0145	0.5944	0.5870	0.1811
monks-1	0.7273	0.2727	0.7273	0.4590	0.5982
monks-2	0.6393	0.3607	0.6393	-0.0323	0.6755
monks-3	0.9286	0.0714	0.9286	0.8562	0.2551
mushroom	0.9988	0.0012	0.9988	0.9975	0.0115
musk	0.8455	0.1545	0.8455	0.0000	0.2996
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9796
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9962
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8284
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.2651	0.4950
MUT_ci300400a	0.5739	0.4261	0.5739	0.0000	0.5103
MUT_ci300400a_cdk_ECFP2	0.5839	0.4161	0.5839	0.0033	0.5068
myocardial	0.8412	0.0397	0.8412	0.0000	0.1264
naticusdroid	0.9581	0.0419	0.9581	0.9161	0.2318
nci9	0.3333	0.1481	0.3333	0.2500	0.1506
ncRNA10%	0.7777	0.0234	0.7777	0.0000	0.1370
newspop	0.5696	0.4304	0.5696	0.0881	0.6544
new-thyroid	0.7143	0.1905	0.7143	0.0000	0.2774
new-thyroidT	0.8571	0.1429	0.8571	0.0000	0.2846
NHANES_age_prediction	0.8414	0.1586	0.8414	0.0000	0.3047
nomao	0.7145	0.2855	0.7145	0.0000	0.4307
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0000	0.3630
nursery	0.9290	0.0284	0.9290	0.8949	0.0866
obs	0.4630	0.2685	0.4630	0.0000	0.3435
occupancy	0.7690	0.2310	0.7690	0.0000	0.3835
Occupancy_Estimation	0.8124	0.0938	0.8124	0.0000	0.1814
oh0-wc	0.4257	0.1149	0.4257	0.2986	0.3173
oh10-wc	0.4952	0.1010	0.4952	0.4049	0.3311
oh15-wc	0.3478	0.1304	0.3478	0.2119	0.3454
oh5-wc	0.4176	0.1165	0.4176	0.3077	0.2868
opn310k	0.9091	0.0909	0.9091	0.0000	0.2092
opnat310k-hg16-17	0.9090	0.0910	0.9090	0.0000	0.2093
optdigits	0.8879	0.0224	0.8879	0.8754	0.1491
optdigitsZ	0.9110	0.0890	0.9110	0.0000	0.2060
orl	0.6750	0.0163	0.6750	0.6667	0.0573
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.6400	0.3600	0.6400	0.0000	0.4802
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9031	0.0388	0.9031	0.0000	0.0975

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.6500	0.3500	0.6500	0.1647	0.4865
parkinsons	0.7368	0.2632	0.7368	0.0000	0.4125
particle	0.7194	0.2806	0.7194	0.0000	0.4268
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.7500	0.2500	0.7500	0.0000	0.4011
pediatric-leukemia	0.5000	0.1429	0.5000	0.3491	0.3100
pendigits	0.9281	0.0144	0.9281	0.9201	0.1032
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.6598	0.3402	0.6598	0.0000	0.4687
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.7583
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6301	0.6079
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3684	0.7294
Pgp_desc	0.6500	0.3500	0.6500	0.1463	0.4848
phishing	0.8857	0.1143	0.8857	0.7500	0.3901
phoneme	0.7167	0.2833	0.7167	0.0000	0.4290
phy	0.6904	0.3096	0.6904	0.3800	0.8064
pima	0.6053	0.3947	0.6053	0.0000	0.4977
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.4997	0.1001	0.4997	0.0000	0.1726
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0000	0.1724
polya	0.6422	0.3578	0.6422	0.0000	0.4790
popularity	0.6313	0.2458	0.6313	0.0000	0.2921
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9061	0.0375	0.9061	0.8825	0.1565
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.1818	0.0744	0.1818	0.0000	0.3153
profb	0.6716	0.3284	0.6716	0.0000	0.4612
promoters	0.7000	0.3000	0.7000	0.3478	0.8165
prostate	0.5714	0.4286	0.5714	0.0000	0.5112
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8246	0.0702	0.8246	0.7533	0.1579
pufs-6410%	0.4981	0.5019	0.4981	-0.0038	0.9978
raisin	0.8889	0.1111	0.8889	0.7778	0.4633
re0-wc	0.4000	0.0923	0.4000	0.0000	0.2839
re1-wc	0.4157	0.0467	0.4157	0.2536	0.2779
rejafada	0.9648	0.0352	0.9648	0.0000	0.1039
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.3750	0.2500	0.3750	0.0000	0.3593
rocket	0.5936	0.4064	0.5936	0.0042	0.5030
RT_IOT2022	0.7689	0.0385	0.7689	0.0000	0.1480
satimage	0.6392	0.1203	0.6392	0.5340	0.2548
satimageF	0.8911	0.1089	0.8911	0.0000	0.2371
satimageT	0.8989	0.1011	0.8989	0.0000	0.2253
scadi	0.2857	0.2041	0.2857	-0.1667	0.3973
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.4706	0.5294	0.4706	-0.0588	0.8605
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.7572	0.2428	0.7572	0.4813	0.4829
segment	0.9351	0.0186	0.9351	0.9241	0.0873
segmentO	0.8528	0.1472	0.8528	0.0000	0.2903

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.8994	0.1006	0.8994	0.0000	0.2246
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9762	0.0043	0.9762	0.9739	0.0395
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8459	0.1541	0.8459	0.0000	0.2991
shuttle	0.7859	0.0612	0.7859	0.0000	0.1287
sick	0.9337	0.0663	0.9337	0.0000	0.1669
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.7923	0.2077	0.7923	0.0000	0.3603
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.3957	0.2014	0.3957	0.1641	0.3545
sonar	0.6000	0.4000	0.6000	0.2000	0.7816
soybean	0.5294	0.0495	0.5294	0.4576	0.1989
spambase	0.6065	0.3935	0.6065	0.0066	0.4975
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7143	0.2857	0.7143	0.0000	0.4308
spectrometer	0.5940	0.0161	0.5954	0.5941	0.0944
splice-EI	0.7476	0.2524	0.7476	0.0000	0.4032
splice-IE	0.7634	0.2366	0.7634	0.0000	0.3888
sport-articles	0.6400	0.3600	0.6400	0.0338	0.4822
squash-stored	0.6000	0.2667	0.6000	0.3333	0.3340
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.5160	0.3227	0.5160	0.0000	0.3699
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6513	0.3487	0.6513	0.0000	0.4738
steel-p	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.3077	0.4615	0.3077	-0.1250	0.5901
student-weekend	0.3846	0.2462	0.3846	0.0000	0.3498
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7110	0.2890	0.7110	0.3899	0.5545
swarm_aligned	0.6876	0.3124	0.6876	0.0000	0.4505
swarm_flocking	0.9975	0.0025	0.9975	0.9950	0.0241
swarm_grouped	0.6249	0.3751	0.6249	0.0000	0.4882
tae	0.6000	0.2667	0.6000	0.4000	0.5314
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9255	0.0136	0.9255	0.9179	0.0941
theorem	0.5827	0.4173	0.5827	0.0000	0.5071
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.7105	0.2895	0.7105	0.0000	0.4337
tic-tac-toe	0.6632	0.3368	0.6632	0.0000	0.4666
tis	0.7524	0.2476	0.7524	0.0000	0.3989
titanic	0.6773	0.3227	0.6773	0.0000	0.4575
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.6471	0.1765	0.6471	0.5300	0.2711
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7600	0.2400	0.7600	0.0000	0.3920
trec11-wc	0.3171	0.1518	0.3171	0.0000	0.3354
trec12-wc	0.2903	0.1774	0.2903	0.0000	0.3607

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6970	0.1010	0.6970	0.0000	0.2028
trec23-wc	0.4286	0.1905	0.4286	0.0000	0.3116
trec31-wc	0.3763	0.1782	0.3763	0.0000	0.3066
trec41-wc	0.5568	0.0886	0.5568	0.4006	0.2318
trec45-wc	0.3768	0.1246	0.3768	0.1975	0.3024
tuandromd	0.7982	0.2018	0.7982	0.0000	0.3541
turkish	0.7250	0.1375	0.7250	0.6333	0.3311
tvnews	0.6342	0.3658	0.6342	0.0003	0.4834
urban	0.6119	0.0862	0.6119	0.5260	0.2189
vehicle	0.7262	0.1369	0.7262	0.6349	0.2515
vehicleVAN	0.7500	0.2500	0.7500	0.0000	0.4011
voice	0.6667	0.3333	0.6667	0.0000	0.4644
vote	0.5116	0.4884	0.5116	0.0444	0.5283
vowel	0.4545	0.0992	0.4545	0.4000	0.3270
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.2179	0.0782	0.2179	0.0000	0.3484
warpar10p	0.4615	0.1077	0.4615	0.4129	0.1462
warppiel10p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.7209	0.0797	0.7209	0.6694	0.2045
watch-gyr10%	0.8361	0.0468	0.8361	0.8081	0.1860
waveform	0.8060	0.1293	0.8060	0.7091	0.4211
web-phishing	0.7037	0.1975	0.7037	0.4098	0.2889
weight-lift	0.2846	0.2862	0.2846	0.0004	0.3861
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0549
wilt	0.9503	0.0497	0.9503	0.0000	0.1349
wine	0.8235	0.1176	0.8235	0.6577	0.1778
winequality-red	0.5786	0.1405	0.5786	0.2802	0.3274
winequality-white	0.4458	0.1583	0.4458	-0.0031	0.2695
winnipeg	0.7126	0.0821	0.7126	0.6184	0.1422
yale	0.5000	0.0667	0.5000	0.4644	0.1212
yeast	0.3311	0.1338	0.3311	0.0984	0.3648
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.2946	0.1411	0.2946	0.1575	0.3343
zoo	0.3000	0.2000	0.3000	0.0000	0.3070

Table 105: Detailed results for GBDT-PL

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1611	0.0575	0.1617	0.0745	0.5159
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9847	0.0153	0.9847	0.4167	0.4086
ads	0.9756	0.0244	0.9756	0.8930	0.1527
adult	0.8688	0.1312	0.8688	0.6107	0.5649
AID1284Morered	0.8889	0.1111	0.8889	0.3010	0.2451
AID1284red	0.8889	0.1111	0.8889	0.3010	0.2451
AID_1431	0.8810	0.1190	0.8810	-0.0488	0.7141
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	0.1372	0.8041
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.8386	0.1614	0.8386	-0.0003	0.0027
AID373red	0.8379	0.1621	0.8379	0.0021	0.0160
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9930	0.0070	0.9930	-0.0034	0.4755
AID600_MACCS	0.7568	0.2432	0.7568	0.4789	0.7313
AID_602330	0.9427	0.0573	0.9427	0.1258	0.6313
AID604	0.9229	0.0771	0.9229	0.0223	0.0949
AID604AID644_AllRed	0.8667	0.1333	0.8667	0.0005	0.0176
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8687	0.0875	0.8687	0.1025	0.5203
AID687AID721red	0.6936	0.3064	0.6936	-0.0012	0.0069
AID687red	0.9595	0.0405	0.9595	-0.0056	0.1180
AID688red	0.9875	0.0125	0.9875	0.0502	0.5481
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.8443	0.1557	0.8443	0.0001	0.0158
AID746red	0.9799	0.0201	0.9799	0.0239	0.3904
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8615	0.1385	0.8615	0.5806	0.5911
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9889	0.0056	0.9889	0.9788	0.0306
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9819	0.0045	0.9819	0.9702	0.0876
anuran-species	0.9819	0.0036	0.9819	0.9748	0.0297
aps-failure	0.9837	0.0163	0.9837	0.5865	0.5284
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7556	0.0376	0.7556	0.6207	0.2193
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8774	0.0107	0.8742	0.8586	0.0220
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.1049	0.1492	0.1049	0.0000	0.3129
balance	0.8226	0.1183	0.8226	0.6886	0.3907
bank	0.9170	0.0830	0.9170	0.5598	0.5676
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9009	0.0991	0.9009	0.7778	0.3960
basehock	0.9598	0.0402	0.9598	0.9196	0.2182
bio	0.9965	0.0035	0.9965	0.8013	0.3347
biodeg	0.8952	0.1048	0.8952	0.7810	0.4580
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9768	0.0008	0.9683	0.4121	0.1836
block10%	0.8450	0.1550	0.8450	0.0164	0.0590
block10%	0.8450	0.1550	0.8450	0.0164	0.0590
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9200	0.0800	0.9200	0.3467	0.5142
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5957	0.5032
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	1.0000	0.0000	1.0000	1.0000	0.0000
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8873	0.0225	0.8873	0.8651	0.1366
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8699	0.2136
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7765	0.2685
cas_N6512_cdk_ECFP2	0.7619	0.2381	0.7619	0.5203	0.7323
cdc_diabetes	0.8503	0.0998	0.8503	0.2087	0.3378
census10%	0.9569	0.0431	0.9569	0.5072	0.4003
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.5118	0.4882	0.5118	-0.0008	0.0086
ci100410h_MACCS	0.8750	0.1250	0.8750	0.5396	0.2781
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8429	0.3626
ci200186m_DESC_PADEL	0.7778	0.2222	0.7778	0.5331	0.7128
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.7474	0.2526	0.7474	0.4453	0.7606
cirrhosis	0.8810	0.0794	0.8810	0.7603	0.2252
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8333	0.0833	0.8333	0.7367	0.3131
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4286	0.3779
cm1	0.8400	0.1600	0.8400	-0.0811	0.7590
cmc	0.5306	0.3129	0.5306	0.2685	0.7056
cnae-9	0.8704	0.0288	0.8704	0.8542	0.1246
codon_usage	0.3515	0.1179	0.3515	0.2340	0.6970
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.7241	0.2759	0.7241	0.3696	0.7628
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.8276	0.1724	0.8276	0.4649	0.3439

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9994	0.0004	0.9994	0.9864	0.0019
cottonmeloidogyne	0.7524	0.2476	0.7524	0.5052	0.7414
coupon	0.7484	0.2516	0.7484	0.4793	0.7504
covtype	0.8089	0.0546	0.8089	0.6926	0.4444
covtypeCD	0.9930	0.0070	0.9930	0.9704	0.0915
covtypeT	0.9875	0.0125	0.9875	0.9027	0.2097
cox2_cdk_ECFP2	0.8913	0.1087	0.8913	0.6048	0.4821
crowdsourced	0.9567	0.0144	0.9567	0.9102	0.0948
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5000	0.0250	0.5000	0.4844	0.0870
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8267	0.1733	0.8267	0.4106	0.6557
deposit	0.9089	0.0911	0.9089	0.5018	0.5739
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7838	0.2032
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4676	0.7578
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5717	0.2855	0.5717	0.1719	0.6041
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.7083	0.2917	0.7083	0.3538	0.7076
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5992	0.4008	0.5992	0.1887	0.9247
dropout	0.7675	0.1550	0.7675	0.6121	0.4607
drug-01	0.3085	0.1976	0.3085	-0.0199	0.6774
drug-02	0.4681	0.1520	0.4681	0.1030	0.6750
drug-03	0.6436	0.1018	0.6436	0.1158	0.6155
drug-04	0.4947	0.1444	0.4947	0.1429	0.7042
drug-05	0.7287	0.0775	0.7287	0.0495	0.2678
drug-06	0.3777	0.1778	0.3777	0.2199	0.6533
drug-07	0.4255	0.1641	0.4255	0.0731	0.5070
drug-08	0.5160	0.1383	0.5160	0.1307	0.6237
drug-09	0.8564	0.0410	0.8564	0.0464	0.3490
drug-10	0.5319	0.1337	0.5319	0.1733	0.5472
drug-11	0.8245	0.0502	0.8245	0.0652	0.5975
drug-12	0.7660	0.0669	0.7660	-0.0145	0.3718
drug-13	0.5957	0.1155	0.5957	0.2445	0.5766
drug-14	0.5319	0.1337	0.5319	0.2182	0.6686
drug-15	0.7606	0.0684	0.7606	0.1099	0.3144
drug-16	0.5745	0.1216	0.5745	0.2919	0.4817
drug-17	0.3564	0.1839	0.3564	0.1460	0.7393
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	0.1119	0.4845
drybean	0.9258	0.0212	0.9258	0.9102	0.1183
ecoli	0.8235	0.0441	0.8235	0.7521	0.1278
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3404	0.0824	0.3404	0.2890	0.7454
eeg-eye	0.9005	0.0995	0.9005	0.7978	0.4227
EPA_FHM	0.8852	0.1148	0.8852	0.1611	0.6590
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7070	0.5428
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9839	0.0161	0.9839	0.7919	0.0579
er_tox_rdkit_MORGAN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6510	0.5977
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.7123	0.1151	0.7123	0.6303	0.3198
euthyroid	0.9778	0.0222	0.9778	0.8730	0.2639
exon.vs.intron-freq	0.9687	0.0313	0.9687	0.9371	0.1848
fbis-wc	0.8740	0.0148	0.8740	0.8570	0.0874
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6815	0.0988
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.0441	0.0125	0.0441	0.0281	1.0000
forest	0.8846	0.0577	0.8846	0.8398	0.1322
gas	0.9942	0.0019	0.9942	0.9930	0.0140
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5853	0.2765	0.5853	0.1220	0.5594
gene	0.9464	0.0358	0.9464	0.9139	0.1709
german	0.7200	0.2800	0.7200	0.3017	0.7423
gina	0.9597	0.0403	0.9597	0.9193	0.2251
glass	0.7619	0.0794	0.7619	0.6635	0.2371
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.1281	0.1453	0.1281	0.0000	0.3313
har70	0.9118	0.0252	0.9118	0.8692	0.3325
harth10%	0.8320	0.0280	0.8320	0.7722	0.3593
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8619	0.1381	0.8619	0.7238	0.5257
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.7314	0.2686	0.7314	0.4607	0.7787
higher	0.2857	0.1786	0.2857	0.1411	0.3056
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9207	0.0793	0.9207	0.6890	0.4207
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6667	0.2222	0.6667	0.4170	0.5407
htru2	0.9788	0.0212	0.9788	0.8681	0.2432
ht-sensor	0.9976	0.0016	0.9976	0.9963	0.0121
hypothyroid	0.9178	0.0411	0.9178	0.2585	0.1985
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.7119	0.2881	0.7119	0.2302	0.8431
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9153	0.0065	0.9153	0.9119	0.0767
jm1	0.8228	0.1772	0.8228	0.2398	0.6264
fvowels	0.9900	0.0022	0.9900	0.9886	0.0184
kc1	0.8720	0.1280	0.8720	0.4224	0.6137
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.5730	0.0359	0.5728	0.2458	0.2091
kc1-class-level-top5percentDF	0.8000	0.2000	0.8000	-0.0976	0.5661
kc2	0.8654	0.1346	0.8654	0.5517	0.5823
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.0845	0.1017	0.0845	0.0210	0.8177
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8984	0.0339	0.8984	0.8715	0.1754
la2s-wc	0.9040	0.0320	0.9040	0.8786	0.1637
labor	0.6667	0.3333	0.6667	0.2500	0.8750
leaf	0.6899	0.0160	0.6877	0.6623	0.0631
led24	0.6000	0.0800	0.6000	0.5467	0.1696
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9630	0.0028	0.9630	0.9615	0.0445
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7916	0.0893
linkage10%	0.9298	0.0702	0.9298	0.0535	0.1169
liver	0.7353	0.2647	0.7353	0.3489	0.7915
localization	0.6901	0.0563	0.6901	0.6053	0.5363
lrs	0.8679	0.0264	0.8679	0.8165	0.0850
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0746
madelon	0.8577	0.1423	0.8577	0.7154	0.5418
magic04	0.8853	0.1147	0.8853	0.7424	0.4753

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6062	0.6403
MAO_MACCS	0.7143	0.2857	0.7143	0.4167	0.8058
maternal	0.8317	0.1122	0.8317	0.7451	0.3738
messidor	0.7130	0.2870	0.7130	0.4121	0.8069
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9350	0.0130	0.9350	0.9278	0.0746
mfeat-fou	0.8250	0.0350	0.8250	0.8056	0.1529
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0565
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2255
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0377
mfeat-zer	0.7250	0.0550	0.7250	0.6944	0.1990
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5935	0.3788
mobile	0.8846	0.0041	0.8846	0.8825	0.0540
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9016	0.0984	0.9016	0.7771	0.4287
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9727	0.0273	0.9727	0.8885	0.1311
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9646
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.8235	0.1765	0.8235	0.6471	0.6022
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3993	0.8090
MUT_ci300400a	0.8521	0.1479	0.8521	0.6972	0.5604
MUT_ci300400a_cdk_ECFP2	0.8058	0.1942	0.8058	0.5983	0.6588
myocardial	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid	0.9669	0.0331	0.9669	0.9339	0.1950
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.6030	0.0418	0.6030	0.0986	0.9393
newspop	0.6799	0.3201	0.6799	0.3535	0.8449
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9666	0.0334	0.9666	0.9178	0.2176
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0855	0.7432
nursery	0.8819	0.0472	0.8819	0.8271	0.2409
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9768	0.0914
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9010	0.0198	0.9010	0.8867	0.1044
oh10-wc	0.7905	0.0419	0.7905	0.7618	0.1986
oh15-wc	0.8478	0.0304	0.8478	0.8266	0.1464
oh5-wc	0.8132	0.0374	0.8132	0.7886	0.1569
opn310k	0.9241	0.0759	0.9241	0.4045	0.5113
opnat310k-hg16-17	0.9264	0.0736	0.9264	0.4204	0.4901
optdigits	0.9609	0.0078	0.9609	0.9565	0.0571
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.8750	0.0063	0.8750	0.8718	0.0224
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9249	0.0751	0.9249	0.2635	0.5646
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8649	0.1545

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.8000	0.2000	0.8000	0.5455	0.4011
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9369	0.0631	0.9369	0.8443	0.3570
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.4794	0.5206	0.4794	-0.1234	1.0000
pd	0.9211	0.0789	0.9211	0.7647	0.2161
pediatric-leukemia	0.7647	0.0672	0.7647	0.7131	0.1855
pendigits	0.9891	0.0022	0.9891	0.9879	0.0198
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6530	0.5950
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.8135
P-Glycoprotein_c_RDkit_AtomPair_FP	0.9048	0.0952	0.9048	0.8095	0.4123
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.7000	0.3000	0.7000	0.4000	0.7967
phishing	0.9714	0.0286	0.9714	0.9395	0.1524
phoneme	0.9111	0.0889	0.9111	0.7828	0.4464
phy	0.7378	0.2622	0.7378	0.4755	0.7684
pima	0.7632	0.2368	0.7632	0.4738	0.6848
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.3488	0.1302	0.3488	0.0535	0.9509
polish-1st	0.9815	0.0185	0.9815	0.7020	0.2558
polish-2nd	0.9695	0.0305	0.9695	0.5354	0.4738
polish-3rd	0.9571	0.0429	0.9571	0.3645	0.4756
polish-4th	0.9714	0.0286	0.9714	0.6873	0.3914
polish-5th	0.9611	0.0389	0.9611	0.6952	0.4622
polya	0.7892	0.2108	0.7892	0.5290	0.6986
popularity	0.6805	0.2130	0.6805	0.2607	0.5392
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9939	0.0025	0.9939	0.9923	0.0188
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7929
primary-tumor	0.4545	0.0496	0.4545	0.3982	0.2097
profb	0.7015	0.2985	0.7015	0.2903	0.8435
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9944	0.0022	0.9944	0.9925	0.0195
pufs-6410%	0.5032	0.4968	0.5032	0.0065	0.9980
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8667	0.0205	0.8667	0.8263	0.1656
re1-wc	0.8313	0.0135	0.8313	0.8074	0.1177
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7155	0.2845	0.7155	0.4110	0.8066
RT_IOT2022	0.6798	0.0534	0.6798	0.3645	0.5355
satimage	0.9238	0.0254	0.9238	0.9060	0.1301
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.9518	0.0482	0.9518	0.7045	0.3789
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.9167	0.0833	0.9167	-0.0305	0.6521
secondary_mushroom	0.9987	0.0013	0.9987	0.9973	0.0125
segment	0.9654	0.0099	0.9654	0.9595	0.0465
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.0719	0.5611
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sens-2-gram	0.8763	0.1237	0.8763	0.1701	0.4692
sens-3-gram	0.8789	0.1211	0.8789	0.2373	0.5280
sens-4-gram	0.8763	0.1237	0.8763	0.1911	0.5052
sensorless	0.9985	0.0003	0.9985	0.9983	0.0034
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8986	0.1014	0.8986	0.5735	0.5559
shuttle	0.7609	0.0683	0.7609	0.4708	0.5748
sick	0.9841	0.0159	0.9841	0.8715	0.2771
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0090
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.7698	0.0767	0.7698	0.7058	0.2165
sonar	0.7500	0.2500	0.7500	0.5000	0.7429
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9457	0.0543	0.9457	0.8865	0.2910
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.5983	0.0162	0.5972	0.5873	0.0923
splice-EI	0.9685	0.0315	0.9685	0.9178	0.2408
splice-IE	0.9432	0.0568	0.9432	0.8428	0.3504
sport-articles	0.8300	0.1700	0.8300	0.6333	0.6202
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8667	0.1333	0.8667	0.5757	0.6038
steel-d	0.9692	0.0308	0.9692	0.4841	0.5554
steel_industry	0.9104	0.0597	0.9104	0.8544	0.2151
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8154	0.1846	0.8154	0.5879	0.6550
steel-p	0.9333	0.0667	0.9333	0.5445	0.5693
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.4154	0.2338	0.4154	0.1904	0.6866
student-workday	0.6562	0.1375	0.6562	0.1077	0.3809
susy10%	0.8032	0.1968	0.8032	0.5994	0.6450
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0094
swarm_grouped	0.9992	0.0008	0.9992	0.9982	0.0070
tae	0.4667	0.3556	0.4667	0.2000	0.5980
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9855	0.0026	0.9855	0.9840	0.0225
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9789	0.0211	0.9789	0.9529	0.1491
tis	0.9252	0.0748	0.9252	0.7921	0.3849
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.5000	0.0941
tox_171	0.8235	0.0882	0.8235	0.7671	0.1047
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.7059	0.2941	0.7059	0.3307	0.8305
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	-0.1550	0.9198
trec11-wc	0.9512	0.0108	0.9512	0.9401	0.0372
trec12-wc	0.9355	0.0161	0.9355	0.9215	0.0458

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9395	0.0867
trec23-wc	0.9048	0.0317	0.9048	0.8654	0.0775
trec31-wc	0.9570	0.0123	0.9570	0.9427	0.0719
trec41-wc	0.9545	0.0091	0.9545	0.9447	0.0677
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0302
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.7500	0.1250	0.7500	0.6667	0.2610
tvnews	0.9214	0.0786	0.9214	0.8299	0.3794
urban	0.8507	0.0332	0.8507	0.8254	0.1488
vehicle	0.7738	0.1131	0.7738	0.6947	0.2074
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5657	0.0790	0.5657	0.5222	0.2368
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9277	0.0723	0.9277	0.4511	0.5057
wap-wc	0.8526	0.0147	0.8526	0.8344	0.1027
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9726	0.0078	0.9726	0.9680	0.0501
watch-gyr10%	0.9767	0.0067	0.9767	0.9728	0.0433
waveform	0.8600	0.0933	0.8600	0.7900	0.3370
web-phishing	0.8889	0.0741	0.8889	0.8038	0.3428
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0018
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7044	0.0985	0.7044	0.5248	0.3396
winequality-white	0.6564	0.0982	0.6564	0.4740	0.3950
winnipeg	0.7778	0.0635	0.7778	0.7277	0.3740
yale	0.5000	0.0667	0.5000	0.4667	0.1353
yeast	0.5473	0.0905	0.5473	0.4132	0.4071
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9527	0.0473	0.9527	0.1981	0.5887
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9430	0.0114	0.9430	0.9362	0.0927
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 106: Detailed results for MILBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1601	0.0574	0.1619	0.0760	0.5129
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.9781	0.0219	0.9781	0.2749	0.5615
ads	0.9604	0.0396	0.9604	0.8210	0.2390
adult	0.8534	0.1466	0.8534	0.5792	0.6217
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.8968	0.1032	0.8968	0.0910	0.6571
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.8738	0.1262	0.8738	-0.0669	0.6366
AID_1878	0.7524	0.2476	0.7524	0.1975	0.8001
AID362red	0.9836	0.0164	0.9836	0.2149	0.5259
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9983	0.0017	0.9983	-0.0008	0.5343
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5676	0.4324	0.5676	0.1217	0.9455
AID_602330	0.9271	0.0729	0.9271	-0.0370	0.6435
AID604	0.9967	0.0033	0.9967	0.1108	0.0155
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.8384	0.1077	0.8384	0.0504	0.6282
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9964	0.0036	0.9964	0.1414	0.4892
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9935	0.0065	0.9935	0.0474	0.3523
AID_773	0.8148	0.1852	0.8148	0.1818	0.7177
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9597	0.0202	0.9597	0.9224	0.1025
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9485	0.0129	0.9485	0.9146	0.1282
anuran-species	0.9708	0.0058	0.9708	0.9594	0.0513
aps-failure	0.9911	0.0089	0.9911	0.7050	0.2724
arcene	0.6000	0.4000	0.6000	0.1304	0.9336
arrhythmia	0.6444	0.0547	0.6444	0.4258	0.3054
auction	1.0000	0.0000	1.0000	1.0000	0.0000
audiology	0.8684	0.0111	0.8611	0.8435	0.0223
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9238	0.0127	0.9238	0.8998	0.0904
balance	0.7903	0.1398	0.7903	0.6395	0.3400
bank	0.9060	0.0940	0.9060	0.5083	0.6080
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8341	0.1659	0.8341	0.6316	0.6037
basehock	0.9246	0.0754	0.9246	0.8493	0.3000
bio	0.9964	0.0036	0.9964	0.7661	0.1859
biodeg	0.8381	0.1619	0.8381	0.6584	0.6010
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	0.9780	0.0008	0.9667	0.4238	0.1867
block10%	0.9999	0.0001	0.9999	0.9928	0.0211
block10%	0.9999	0.0001	0.9999	0.9928	0.0211
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.9091	0.0909	0.9091	0.8197	0.3145
breast-cancer-ma	0.6364	0.3636	0.6364	0.2903	0.8322
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.7000	0.0857	0.7000	0.5946	0.1414
bub10at310k-hg16-17	0.9123	0.0877	0.9123	0.2966	0.5774
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9770	0.0115	0.9770	0.9505	0.0674
card	0.8261	0.1739	0.8261	0.6465	0.6157
cardiotocography	0.8404	0.0319	0.8404	0.8078	0.1879
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8337	0.2223
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6499	0.4462
cas_N6512_cdk_ECFP2	0.7051	0.2949	0.7051	0.4150	0.7935
cdc_diabetes	0.8449	0.1034	0.8449	0.1970	0.4114
census10%	0.9449	0.0551	0.9449	0.3901	0.5391
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9302	0.0698	0.9302	0.5892	0.5711
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8279	0.2774
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.5985	0.6406
ci200186m_DESC_PADEL	0.7778	0.2222	0.7778	0.5235	0.7196
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6737	0.3263	0.6737	0.3457	0.8212
cirrhosis	0.6905	0.2063	0.6905	0.4104	0.6453
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7620	0.1190	0.7620	0.6405	0.4907
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.5183
cm1	0.8400	0.1600	0.8400	0.1111	0.7284
cmc	0.5442	0.3039	0.5442	0.2943	0.7092
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0621
codon_usage	0.8503	0.0272	0.8503	0.8174	0.1954
coil20	0.9861	0.0014	0.9861	0.9854	0.0096
collins	0.9800	0.0027	0.9800	0.9780	0.0100
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.2162	0.8800
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.4828	0.5172	0.4828	-0.0046	0.9669
colposcopies-4	0.5862	0.4138	0.5862	-0.0357	0.9317

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	-0.1810	0.8560
colposcopies-6	0.6207	0.3793	0.6207	0.2459	0.8929
colposcopies-c	0.7586	0.2414	0.7586	0.3072	0.7986
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9834	0.0111	0.9834	0.4408	0.1218
cottonmeloidogyne	0.6875	0.3125	0.6875	0.3748	0.8368
coupon	0.6885	0.3115	0.6885	0.3558	0.8373
covtype	0.8160	0.0526	0.8160	0.7007	0.2815
covtypeCD	0.9811	0.0189	0.9811	0.9180	0.1696
covtypeT	0.9813	0.0187	0.9813	0.8566	0.3025
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3878	0.5671
crowdsourced	0.9161	0.0280	0.9161	0.8245	0.2155
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2925	0.1078
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7593	0.2407	0.7593	0.5211	0.7106
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8177	0.1823	0.8177	0.3866	0.6870
deposit	0.8969	0.1031	0.8969	0.4323	0.6182
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	0.1489	0.5283
dexter	0.8500	0.1500	0.8500	0.7000	0.5590
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.4115	0.7975
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5747	0.2836	0.5747	0.1749	0.6159
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.5000	0.5000	0.5000	0.0000	0.8322
dlbcl-nih	0.5417	0.4583	0.5417	0.0435	0.9771
dlbcl-stanford	0.6000	0.4000	0.6000	0.2857	0.5283
dota2	0.5538	0.4462	0.5538	0.0872	0.9417
dropout	0.7427	0.1716	0.7427	0.5755	0.5042
drug-01	0.3298	0.1915	0.3298	-0.0075	0.6938
drug-02	0.4628	0.1535	0.4628	0.1577	0.7751
drug-03	0.6489	0.1003	0.6489	0.0727	0.4084
drug-04	0.5160	0.1383	0.5160	0.1906	0.7283
drug-05	0.6915	0.0881	0.6915	0.0105	0.4330
drug-06	0.3670	0.1809	0.3670	0.2232	0.6545
drug-07	0.3883	0.1748	0.3883	0.0283	0.5440
drug-08	0.5266	0.1353	0.5266	0.1687	0.5993
drug-09	0.8404	0.0456	0.8404	0.1198	0.4690
drug-10	0.5160	0.1383	0.5160	0.1842	0.5599
drug-11	0.8138	0.0532	0.8138	0.0506	0.3803
drug-12	0.7181	0.0805	0.7181	-0.0030	0.6475
drug-13	0.5638	0.1246	0.5638	0.2090	0.6218
drug-14	0.5213	0.1368	0.5213	0.2045	0.6929
drug-15	0.7128	0.0821	0.7128	0.1031	0.5833
drug-16	0.5000	0.1429	0.5000	0.2176	0.6742
drug-17	0.3191	0.1945	0.3191	0.0868	0.7573
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7128	0.0821	0.7128	0.0747	0.6387
drybean	0.9074	0.0265	0.9074	0.8881	0.1493
ecoli	0.9118	0.0221	0.9118	0.8762	0.0468
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.4779	0.0653	0.4779	0.4176	0.5532
eeg-eye	0.8071	0.1929	0.8071	0.6063	0.6440
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3470	0.7337
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6739	0.5826
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4491	0.7653
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.7135	0.5115
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6183	0.6296
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.6986	0.1205	0.6986	0.6136	0.3443
euthyroid	0.9557	0.0443	0.9557	0.7496	0.4332
exon.vs.intron-freq	0.9472	0.0528	0.9472	0.8940	0.2767
fbis-wc	0.7805	0.0258	0.7805	0.7510	0.1796
fda.atompair_fp	0.5455	0.4545	0.5455	-0.2791	0.9704
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.5500	0.1125	0.5500	0.4427	0.2591
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.6387	0.0047	0.6387	0.6187	0.2654
forest	0.8462	0.0769	0.8462	0.7864	0.2011
gas	0.9820	0.0060	0.9820	0.9782	0.0425
gastrointestinal	0.7500	0.1667	0.7500	0.6213	0.3144
gender	0.5895	0.2737	0.5895	0.1576	0.6330
gene	0.9180	0.0547	0.9180	0.8682	0.2308
german	0.6600	0.3400	0.6600	0.2000	0.8839
gina	0.9193	0.0807	0.9193	0.8386	0.3738
glass	0.7143	0.0952	0.7143	0.6038	0.2797
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7500	0.4011
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4000	0.3000	0.4000	0.1818	0.5593
haberman	0.6667	0.3333	0.6667	0.1477	0.8809
hapt	0.9186	0.0136	0.9186	0.9038	0.0922
har70	0.9110	0.0254	0.9110	0.8679	0.1635
harth10%	0.8707	0.0216	0.8707	0.8235	0.2170
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6000	0.4000	0.6000	0.1667	0.7161

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8523	0.1477	0.8523	0.7047	0.5517
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2708	0.8198
higgs10%	0.7030	0.2970	0.7030	0.4037	0.8178
higher	0.2143	0.1964	0.2143	0.0778	0.3715
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8685	0.1315	0.8685	0.4578	0.6099
hiva	0.9598	0.0402	0.9598	0.1737	0.5500
horse	0.5556	0.2963	0.5556	0.2055	0.6988
htru2	0.9737	0.0263	0.9737	0.8374	0.2955
ht-sensor	0.9203	0.0531	0.9203	0.8801	0.2115
hypothyroid	0.9973	0.0013	0.9973	0.9840	0.0048
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6271	0.3729	0.6271	0.0226	0.9287
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8203	0.0138	0.8203	0.8131	0.1404
jm1	0.8035	0.1965	0.8035	0.2086	0.7337
jvowels	0.9207	0.0176	0.9207	0.9102	0.1233
kc1	0.8436	0.1564	0.8436	0.3142	0.7078
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5716	0.0351	0.5820	0.2529	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.1929	0.8287
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.7426	0.0286	0.7426	0.7128	0.2563
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.8032	0.0656	0.8032	0.7500	0.3060
la2s-wc	0.7947	0.0684	0.7947	0.7390	0.3083
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6849	0.0165	0.6856	0.6578	0.0619
led24	0.5500	0.0900	0.5500	0.4958	0.2208
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9240	0.0058	0.9240	0.9209	0.0841
leukemia	0.7143	0.1905	0.7143	0.5882	0.2985
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7012	0.1175
linkage10%	0.9999	0.0001	0.9999	0.9857	0.0640
liver	0.5588	0.4412	0.5588	0.1356	0.8674
localization	0.6768	0.0588	0.6768	0.5884	0.4787
lrs	0.7736	0.0453	0.7736	0.6861	0.1893
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7647	0.0900
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1027
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7846	0.2154	0.7846	0.5692	0.6916
magic04	0.8548	0.1452	0.8548	0.6683	0.5401

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6430	0.6156
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6563	0.4277
messidor	0.6087	0.3913	0.6087	0.2165	0.9122
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0819
mfeat-fou	0.7700	0.0460	0.7700	0.7444	0.2047
mfeat-kar	0.8750	0.0250	0.8750	0.8611	0.1419
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2208
mfeat-pix	0.9300	0.0140	0.9300	0.9222	0.0883
mfeat-zer	0.6550	0.0690	0.6550	0.6167	0.2691
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.3912
mobile	0.8357	0.0059	0.8357	0.8327	0.0745
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9621	0.0379	0.9621	0.8445	0.2253
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.8580
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.1725	0.9382
MUT_ci300400a	0.7920	0.2080	0.7920	0.5756	0.6839
MUT_ci300400a_cdk_ECFP2	0.7638	0.2362	0.7638	0.5268	0.7121
myocardial	0.8765	0.0309	0.8765	0.4254	0.1978
naticusdroid	0.9632	0.0368	0.9632	0.9264	0.2095
nci9	0.0000	0.2222	0.0000	-0.1613	0.2246
ncRNA10%	0.9266	0.0077	0.9266	0.7920	0.3458
newspop	0.6468	0.3532	0.6468	0.2898	0.8842
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9504	0.0496	0.9504	0.8789	0.3020
NPHA-doctor-visits	0.4167	0.3889	0.4167	-0.0413	0.7415
nursery	0.9823	0.0071	0.9823	0.9740	0.0591
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.0963
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9759	0.0331
oh0-wc	0.8614	0.0277	0.8614	0.8413	0.1258
oh10-wc	0.6857	0.0629	0.6857	0.6408	0.3002
oh15-wc	0.7391	0.0522	0.7391	0.7009	0.2379
oh5-wc	0.6923	0.0615	0.6923	0.6511	0.2613
opn310k	0.9145	0.0855	0.9145	0.3059	0.5579
opnat310k-hg16-17	0.9137	0.0863	0.9137	0.3038	0.5660
optdigits	0.9377	0.0125	0.9377	0.9307	0.0849
optdigitsZ	0.9911	0.0089	0.9911	0.9466	0.1918
orl	0.9250	0.0037	0.9250	0.9231	0.0126
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9368	0.0632	0.9368	0.1674	0.6065
ozone8hr	0.9051	0.0949	0.9051	0.2824	0.6658
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9744	0.0102	0.9744	0.8621	0.2255

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.9124	0.0876	0.9124	0.7848	0.4435
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5567	0.4433	0.5567	-0.0262	0.8588
pd	0.8684	0.1316	0.8684	0.6078	0.5105
pediatric-leukemia	0.7353	0.0756	0.7353	0.6776	0.2655
pendigits	0.9727	0.0055	0.9727	0.9696	0.0458
period	0.7778	0.2222	0.7778	0.4000	0.4011
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5805	0.6596
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7131	0.5449
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.6500	0.3500	0.6500	0.2553	0.8874
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.8907	0.1093	0.8907	0.7417	0.5047
phy	0.7012	0.2988	0.7012	0.4021	0.8163
pima	0.7237	0.2763	0.7237	0.4316	0.7900
plx	0.8333	0.1667	0.8333	0.5574	0.6304
poker	0.6066	0.0787	0.6066	0.2492	0.2432
polish-1st	0.9829	0.0171	0.9829	0.7604	0.3641
polish-2nd	0.9597	0.0403	0.9597	0.4176	0.5673
polish-3rd	0.9438	0.0562	0.9438	0.2776	0.6106
polish-4th	0.9663	0.0337	0.9663	0.6121	0.4149
polish-5th	0.9459	0.0541	0.9459	0.5390	0.5301
polya	0.7362	0.2638	0.7362	0.4190	0.7884
popularity	0.6507	0.2329	0.6507	0.2399	0.5855
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9609	0.0156	0.9609	0.9512	0.0864
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9116
primary-tumor	0.3939	0.0551	0.3939	0.3347	0.2345
profb	0.6716	0.3284	0.6716	0.1998	0.8783
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	0.8571	0.1429	0.8571	0.7200	0.4011
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9731	0.0107	0.9731	0.9639	0.0695
pufs-6410%	0.4940	0.5060	0.4940	-0.0119	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5413
re0-wc	0.7933	0.0318	0.7933	0.7326	0.2650
re1-wc	0.8072	0.0154	0.8072	0.7785	0.1675
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9834	0.0178
rocket	0.6502	0.3498	0.6502	0.2548	0.8841
RT_IOT2022	0.9990	0.0002	0.9990	0.9976	0.0018
satimage	0.8663	0.0446	0.8663	0.8354	0.2175
satimageF	0.9829	0.0171	0.9829	0.9135	0.2416
satimageT	0.9114	0.0886	0.9114	0.5283	0.6109
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.6765	0.3235	0.6765	0.3529	0.8356
secom	0.9167	0.0833	0.9167	0.1927	0.6604
secondary_mushroom	0.8625	0.1375	0.8625	0.7292	0.4246
segment	0.9610	0.0111	0.9610	0.9544	0.0450
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.1334	0.6250
semeion	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram	0.8474	0.1526	0.8474	0.1240	0.7215
sens-2-gram	0.8316	0.1684	0.8316	0.0544	0.7614
sens-3-gram	0.8289	0.1711	0.8289	0.0892	0.7653
sens-4-gram	0.8447	0.1553	0.8447	0.1377	0.7323
sensorless	0.9868	0.0024	0.9868	0.9855	0.0233
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8897	0.1103	0.8897	0.5414	0.5919
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9979	0.0021	0.9979	0.9937	0.0358
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.7554	0.0815	0.7554	0.6872	0.2321
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0184
spambase	0.9130	0.0870	0.9130	0.8178	0.4012
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.5897	0.0166	0.6105	0.5753	0.0927
splice-EI	0.9527	0.0473	0.9527	0.8771	0.3150
splice-IE	0.9274	0.0726	0.9274	0.8019	0.4184
sport-articles	0.7800	0.2200	0.7800	0.5228	0.7157
squash-stored	0.8000	0.1333	0.8000	0.7059	0.1585
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8359	0.1641	0.8359	0.5229	0.6768
steel-d	0.9795	0.0205	0.9795	0.7039	0.4990
steel_industry	0.9038	0.0641	0.9038	0.8439	0.2357
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7692	0.2308	0.7692	0.4831	0.7395
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9692	0.0308	0.9692	0.8401	0.3898
studentap	0.3846	0.4103	0.3846	0.0545	0.7206
student-weekend	0.3846	0.2462	0.3846	0.1839	0.6940
student-workday	0.6719	0.1313	0.6719	0.2209	0.4711
susy10%	0.7878	0.2122	0.7878	0.5678	0.6725
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0092
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	0.9992	0.0008	0.9992	0.9982	0.0098
tae	0.5333	0.3111	0.5333	0.3000	0.6418
Tdp_desc	0.7778	0.2222	0.7778	0.4545	0.7019
texture	0.9491	0.0093	0.9491	0.9439	0.0590
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9263	0.0737	0.9263	0.8363	0.3767
tis	0.8990	0.1010	0.8990	0.7178	0.4783
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6596	0.1392
tox_171	0.5882	0.2059	0.5882	0.4465	0.4367
toxicity	0.5882	0.4118	0.5882	0.1314	0.9243
toxicity-13f	0.8824	0.1176	0.8824	0.7424	0.5014
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.0097	0.9032
trec11-wc	0.8537	0.0325	0.8537	0.8174	0.1242
trec12-wc	0.8387	0.0403	0.8387	0.8063	0.1289

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5761	0.3126
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9247	0.0215	0.9247	0.9000	0.1369
trec41-wc	0.9205	0.0159	0.9205	0.9024	0.0714
trec45-wc	0.8841	0.0232	0.8841	0.8644	0.0822
tuandromd	0.9776	0.0224	0.9776	0.9286	0.1463
turkish	0.6750	0.1625	0.6750	0.5667	0.4139
tvnews	0.8976	0.1024	0.8976	0.7762	0.4440
urban	0.8358	0.0365	0.8358	0.8074	0.1514
vehicle	0.7857	0.1071	0.7857	0.7098	0.2657
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.4848	0.0937	0.4848	0.4333	0.2682
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9100	0.0900	0.9100	0.2993	0.6012
wap-wc	0.7244	0.0276	0.7244	0.6913	0.1954
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0390
warppiel0p	0.9048	0.0190	0.9048	0.8942	0.0477
watch-acc10%	0.9300	0.0200	0.9300	0.9181	0.0808
watch-gyr10%	0.9350	0.0186	0.9350	0.9241	0.0730
waveform	0.7580	0.1613	0.7580	0.6369	0.4837
web-phishing	0.8593	0.0938	0.8593	0.7554	0.4019
weight-lift	0.9638	0.0145	0.9638	0.9542	0.0752
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0564
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5975	0.1342	0.5975	0.3634	0.5430
winequality-white	0.5828	0.1192	0.5828	0.3674	0.4801
winnipeg	0.9897	0.0029	0.9897	0.9870	0.0298
yale	0.6250	0.0500	0.6250	0.5983	0.1030
yeast	0.5000	0.1000	0.5000	0.3624	0.4648
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.4370	0.5750
zip	0.9194	0.0161	0.9194	0.9097	0.1284
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 107: Detailed results for MILBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1609	0.0569	0.1613	0.0759	0.4987
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.9775	0.0225	0.9775	0.2542	0.5664
ads	0.9604	0.0396	0.9604	0.8210	0.2390
adult	0.8536	0.1464	0.8536	0.5799	0.6213
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.8810	0.1190	0.8810	0.0597	0.7131
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7524	0.2476	0.7524	0.1975	0.8001
AID362red	0.9766	0.0234	0.9766	0.1548	0.5701
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9983	0.0017	0.9983	-0.0008	0.5343
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5676	0.4324	0.5676	0.1217	0.9455
AID_602330	0.9271	0.0729	0.9271	-0.0370	0.6435
AID604	0.9967	0.0033	0.9967	0.1108	0.0155
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.1994	0.5258
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8182	0.1212	0.8182	0.1054	0.6286
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9964	0.0036	0.9964	0.1414	0.4892
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.0460	0.3902
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9541	0.0229	0.9541	0.9137	0.1737
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9291	0.0177	0.9291	0.8829	0.1509
anuran-species	0.9333	0.0133	0.9333	0.9075	0.1264
aps-failure	0.9912	0.0088	0.9912	0.7105	0.2713
arcene	0.6000	0.4000	0.6000	0.1304	0.9336
arrhythmia	0.6889	0.0479	0.6889	0.5180	0.2018
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8669	0.0109	0.8730	0.8385	0.0217
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.7980	0.1121
avila	0.8826	0.0196	0.8826	0.8508	0.1764
balance	0.7419	0.1720	0.7419	0.5356	0.5895
bank	0.9065	0.0935	0.9065	0.5099	0.6062
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8364	0.1636	0.8364	0.6362	0.5971
basehock	0.9146	0.0854	0.9146	0.8293	0.3412
bio	0.9965	0.0035	0.9965	0.7716	0.1851
biodeg	0.8381	0.1619	0.8381	0.6584	0.6010
biomed	0.9048	0.0952	0.9048	0.7879	0.2720
bitcoin10%	1.0000	0.0008	0.9648	0.4306	0.1789
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.9091	0.0909	0.9091	0.8197	0.3145
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.6000	0.1143	0.6000	0.4872	0.2338
bub10at310k-hg16-17	0.9130	0.0870	0.9130	0.3006	0.5725
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.8678	0.0661	0.8678	0.7021	0.3037
card	0.8406	0.1594	0.8406	0.6774	0.5801
cardiotocography	0.8122	0.0376	0.8122	0.7770	0.2268
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8097	0.2952
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5545	0.4277
cas_N6512_cdk_ECFP2	0.7066	0.2934	0.7066	0.4171	0.7959
cdc_diabetes	0.8449	0.1034	0.8449	0.2430	0.4132
census10%	0.9445	0.0555	0.9445	0.3844	0.5405
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9419	0.0581	0.9419	0.6362	0.5550
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.8837	0.1163	0.8837	0.7603	0.4689
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8241	0.2780
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.5632	0.6812
ci200186m_DESC_PADEL	0.7963	0.2037	0.7963	0.5587	0.6863
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6421	0.3579	0.6421	0.2860	0.8509
cirrhosis	0.7381	0.1746	0.7381	0.4714	0.4679
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7074	0.1463	0.7074	0.5752	0.5126
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.6667	0.2222	0.6667	0.4286	0.3779
cm1	0.8600	0.1400	0.8600	0.1463	0.7265
cmc	0.5306	0.3129	0.5306	0.2909	0.6826
cnae-9	0.8333	0.0370	0.8333	0.8125	0.1204
codon_usage	0.7813	0.0398	0.7813	0.7405	0.2976
coil20	0.8472	0.0153	0.8472	0.8392	0.0941
collins	0.8400	0.0213	0.8400	0.8236	0.0674
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.2162	0.8800
colposcopies-2	0.6552	0.3448	0.6552	0.2408	0.8849
colposcopies-3	0.4483	0.5517	0.4483	-0.0841	0.9949
colposcopies-4	0.5862	0.4138	0.5862	-0.0357	0.9317

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.7241	0.2759	0.7241	0.4502	0.7761
colposcopies-c	0.7241	0.2759	0.7241	0.2468	0.8309
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.6774	0.2151	0.6774	0.4781	0.3536
connect-4	0.9827	0.0115	0.9827	0.4453	0.2340
cottonmeloidogyne	0.6971	0.3029	0.6971	0.3942	0.8247
coupon	0.6924	0.3076	0.6924	0.3635	0.8319
covtype	0.7666	0.0667	0.7666	0.6302	0.3868
covtypeCD	0.9806	0.0194	0.9806	0.9157	0.1714
covtypeT	0.9813	0.0187	0.9813	0.8571	0.3055
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3878	0.5671
crowdsourced	0.9198	0.0267	0.9198	0.8344	0.1631
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.2188	0.0391	0.2188	0.1960	0.1917
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7593	0.2407	0.7593	0.5211	0.7106
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8170	0.1830	0.8170	0.3851	0.6893
deposit	0.8960	0.1040	0.8960	0.4242	0.6202
dermatology	0.9189	0.0270	0.9189	0.8987	0.0967
desharnais	0.5000	0.3333	0.5000	0.1795	0.6427
dexter	0.8167	0.1833	0.8167	0.6333	0.6308
dhfr_cdk_ECFP2	0.7105	0.2895	0.7105	0.3871	0.8164
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5462	0.3026	0.5462	0.1549	0.6501
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5546	0.4454	0.5546	0.0890	0.9417
dropout	0.7065	0.1956	0.7065	0.5243	0.5664
drug-01	0.2553	0.2128	0.2553	0.0644	0.7668
drug-02	0.3564	0.1839	0.3564	0.1214	0.7571
drug-03	0.4947	0.1444	0.4947	0.0426	0.6822
drug-04	0.4362	0.1611	0.4362	0.1384	0.7568
drug-05	0.5691	0.1231	0.5691	0.0116	0.7098
drug-06	0.3245	0.1930	0.3245	0.1894	0.6034
drug-07	0.1862	0.2325	0.1862	-0.0296	0.6514
drug-08	0.4840	0.1474	0.4840	0.1943	0.6908
drug-09	0.7553	0.0699	0.7553	0.0872	0.6204
drug-10	0.4787	0.1489	0.4787	0.2156	0.6125
drug-11	0.6755	0.0927	0.6755	0.0014	0.7877
drug-12	0.6064	0.1125	0.6064	-0.0065	0.7007
drug-13	0.5160	0.1383	0.5160	0.1820	0.7861
drug-14	0.5160	0.1383	0.5160	0.2167	0.7775
drug-15	0.6702	0.0942	0.6702	0.0770	0.8686
drug-16	0.4043	0.1702	0.4043	0.1932	0.6980
drug-17	0.2340	0.2188	0.2340	0.0699	0.7347
drug-18	0.9787	0.0085	0.9787	-0.0040	0.0076
drug-19	0.6117	0.1109	0.6117	0.0583	0.8109
drybean	0.8846	0.0330	0.8846	0.8616	0.2049
ecoli	0.6765	0.0809	0.6765	0.5532	0.3229
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2802	0.0900	0.2802	0.2394	0.5401
eeg-eye	0.8064	0.1936	0.8064	0.6050	0.6456
EPA_FHM	0.9180	0.0820	0.9180	0.2432	0.6536
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3470	0.7337
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6739	0.5826
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4362	0.7630
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.7135	0.5115
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5866	0.6556
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.5342	0.1863	0.5342	0.4034	0.4943
euthyroid	0.9589	0.0411	0.9589	0.7708	0.4215
exon.vs.intron-freq	0.9472	0.0528	0.9472	0.8940	0.2767
fbis-wc	0.7236	0.0325	0.7236	0.6888	0.2351
fda.atompair_fp	0.5455	0.4545	0.5455	-0.1458	0.9447
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.7000	0.0750	0.7000	0.6215	0.1661
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5173	0.0063	0.5173	0.4900	0.6058
forest	0.9038	0.0481	0.9038	0.8671	0.1491
gas	0.9691	0.0103	0.9691	0.9625	0.0635
gastrointestinal	0.6875	0.2083	0.6875	0.5266	0.4186
gender	0.5116	0.3256	0.5116	0.1070	0.7501
gene	0.9117	0.0589	0.9117	0.8592	0.2499
german	0.6500	0.3500	0.6500	0.1706	0.8940
gina	0.9222	0.0778	0.9222	0.8443	0.3644
glass	0.6667	0.1111	0.6667	0.5477	0.2665
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.6000	0.2846
glioma	0.6000	0.2000	0.6000	0.4444	0.2708
glioma-grade	0.8929	0.1071	0.8929	0.7840	0.4385
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.3333	0.3333	0.3333	0.1071	0.7062
haberman	0.6667	0.3333	0.6667	0.1477	0.8809
hapt	0.8902	0.0183	0.8902	0.8697	0.1139
har70	0.9030	0.0277	0.9030	0.8571	0.1661
harth10%	0.8443	0.0260	0.8443	0.7870	0.1800
hayes-roth	0.5625	0.2917	0.5625	0.3171	0.5704
hcc-survival	0.4706	0.5294	0.4706	-0.1168	1.0000
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8523	0.1477	0.8523	0.7046	0.5517
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2708	0.8198
higgs10%	0.7030	0.2970	0.7030	0.4037	0.8178
higher	0.0714	0.2321	0.0714	-0.1304	0.4379
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8668	0.1332	0.8668	0.4483	0.6136
hiva	0.9598	0.0402	0.9598	0.1737	0.5500
horse	0.6667	0.2222	0.6667	0.4331	0.5609
htru2	0.9743	0.0257	0.9743	0.8413	0.2934
ht-sensor	0.8893	0.0738	0.8893	0.8344	0.2583
hypothyroid	0.9894	0.0053	0.9894	0.9359	0.0881
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6441	0.3559	0.6441	0.0491	0.9179
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6727	0.0252	0.6727	0.6596	0.2216
jm1	0.8026	0.1974	0.8026	0.2067	0.7370
fvowels	0.8524	0.0328	0.8524	0.8325	0.1882
kc1	0.8483	0.1517	0.8483	0.3253	0.6935
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.5737	0.0361	0.5617	0.2444	0.2128
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2747	0.8005
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.5234	0.0530	0.5234	0.4758	0.3734
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.7810	0.0730	0.7810	0.7199	0.3158
la2s-wc	0.7781	0.0740	0.7781	0.7167	0.3231
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6917	0.0163	0.6733	0.6470	0.0613
led24	0.5000	0.1000	0.5000	0.4413	0.2036
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8320	0.0129	0.8320	0.8251	0.1485
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6106	0.1732
linkage10%	0.9999	0.0001	0.9999	0.9881	0.0511
liver	0.5588	0.4412	0.5588	0.1356	0.8674
localization	0.5809	0.0762	0.5809	0.4298	0.4142
lrs	0.7547	0.0491	0.7547	0.6659	0.2094
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.7778	0.2222	0.7778	0.3684	0.7023
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5200	0.1825
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7143	0.1429	0.7143	0.4815	0.2385
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.1215
madelon	0.7885	0.2115	0.7885	0.5769	0.6843
magic04	0.8553	0.1447	0.8553	0.6694	0.5381

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6225	0.6394
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7822	0.1452	0.7822	0.6700	0.4112
messidor	0.6000	0.4000	0.6000	0.2009	0.9178
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7652	0.2014
meter-D	0.7222	0.1389	0.7222	0.6203	0.2402
mfeat-fac	0.8800	0.0240	0.8800	0.8667	0.1326
mfeat-fou	0.6700	0.0660	0.6700	0.6333	0.2668
mfeat-kar	0.7900	0.0420	0.7900	0.7667	0.2049
mfeat-mor	0.6200	0.0760	0.6200	0.5778	0.2660
mfeat-pix	0.8400	0.0320	0.8400	0.8222	0.1622
mfeat-zer	0.6100	0.0780	0.6100	0.5667	0.2971
mice-prot	0.8519	0.0370	0.8519	0.8302	0.1593
mines	0.5294	0.1882	0.5294	0.4061	0.4384
mobile	0.4196	0.0207	0.4196	0.4085	0.2655
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9606	0.0394	0.9606	0.8389	0.2459
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.8778
MUT_ci034254q_MACCS	0.6066	0.3934	0.6066	0.2035	0.9239
MUT_ci300400a	0.7920	0.2080	0.7920	0.5756	0.6839
MUT_ci300400a_cdk_ECFP2	0.7626	0.2374	0.7626	0.5246	0.7134
myocardial	0.8412	0.0397	0.8412	0.3955	0.3188
naticusdroid	0.9635	0.0365	0.9635	0.9270	0.2081
nci9	0.1667	0.1852	0.1667	0.0323	0.1824
ncRNA10%	0.9026	0.0103	0.9026	0.7398	0.4013
newspop	0.6456	0.3544	0.6456	0.2872	0.8856
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9489	0.0511	0.9489	0.8754	0.3082
NPHA-doctor-visits	0.3472	0.4352	0.3472	-0.0400	0.7142
nursery	0.9653	0.0139	0.9653	0.9490	0.0781
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9756	0.1032
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9788	0.0160
oh0-wc	0.8317	0.0337	0.8317	0.8098	0.1299
oh10-wc	0.6476	0.0705	0.6476	0.5989	0.2667
oh15-wc	0.8043	0.0391	0.8043	0.7789	0.1561
oh5-wc	0.7473	0.0505	0.7473	0.7126	0.2323
opn310k	0.9141	0.0859	0.9141	0.3001	0.5585
opnat310k-hg16-17	0.9132	0.0868	0.9132	0.2969	0.5669
optdigits	0.8968	0.0206	0.8968	0.8853	0.1249
optdigitsZ	0.9893	0.0107	0.9893	0.9353	0.2008
orl	0.5250	0.0238	0.5250	0.5128	0.1348
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0853
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9447	0.0553	0.9447	0.1935	0.6177
ozone8hr	0.8972	0.1028	0.8972	0.2602	0.6730
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9708	0.0117	0.9708	0.8398	0.3517

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.9127	0.0873	0.9127	0.7854	0.4428
pasture	0.2500	0.5000	0.2500	0.0000	0.5000
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5567	0.4433	0.5567	-0.0262	0.8588
pd	0.8421	0.1579	0.8421	0.5102	0.5563
pediatric-leukemia	0.6176	0.1092	0.6176	0.5338	0.3319
pendigits	0.9381	0.0124	0.9381	0.9312	0.0815
period	0.7778	0.2222	0.7778	0.4000	0.4011
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5773	0.6574
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6975	0.5632
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.8870	0.1130	0.8870	0.7319	0.5157
phy	0.7010	0.2990	0.7010	0.4017	0.8164
pima	0.7105	0.2895	0.7105	0.4011	0.8108
plx	0.8333	0.1667	0.8333	0.5574	0.6304
poker	0.5322	0.0936	0.5322	0.0824	0.2695
polish-1st	0.9815	0.0185	0.9815	0.7451	0.3951
polish-2nd	0.9597	0.0403	0.9597	0.4020	0.5646
polish-3rd	0.9476	0.0524	0.9476	0.2953	0.5879
polish-4th	0.9633	0.0367	0.9633	0.5898	0.4640
polish-5th	0.9442	0.0558	0.9442	0.5305	0.5429
polya	0.7319	0.2681	0.7319	0.4095	0.7946
popularity	0.6522	0.2319	0.6522	0.2091	0.6079
post-operative	0.3333	0.4444	0.3333	-0.2857	0.4444
postures	0.9324	0.0270	0.9324	0.9154	0.1265
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8832
primary-tumor	0.3030	0.0634	0.3030	0.2223	0.2914
profb	0.6567	0.3433	0.6567	0.1528	0.8942
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.8182	0.1818	0.8182	0.6333	0.6309
puc-rio	0.9545	0.0182	0.9545	0.9388	0.0996
pufs-6410%	0.4940	0.5060	0.4940	-0.0121	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.7333	0.0410	0.7333	0.6595	0.3185
re1-wc	0.8313	0.0135	0.8313	0.8091	0.1341
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9834	0.0182
rocket	0.6517	0.3483	0.6517	0.2575	0.8823
RT_IOT2022	0.9981	0.0003	0.9981	0.9953	0.0037
satimage	0.8429	0.0524	0.8429	0.8073	0.2439
satimageF	0.9844	0.0156	0.9844	0.9218	0.2346
satimageT	0.9082	0.0918	0.9082	0.5118	0.6193
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9167	0.0833	0.9167	0.1927	0.6604
secondary_mushroom	0.8625	0.1375	0.8625	0.7292	0.4246
segment	0.9437	0.0161	0.9437	0.9342	0.0773
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9186	0.0814	0.9186	0.1230	0.6479
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.8500	0.1500	0.8500	0.1294	0.7116
sens-2-gram	0.8342	0.1658	0.8342	0.0590	0.7556
sens-3-gram	0.8316	0.1684	0.8316	0.0939	0.7611
sens-4-gram	0.8447	0.1553	0.8447	0.1377	0.7323
sensorless	0.9723	0.0050	0.9723	0.9695	0.0436
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8881	0.1119	0.8881	0.5346	0.5972
shuttle	0.9998	0.0000	0.9998	0.9995	0.0004
sick	0.9867	0.0133	0.9867	0.8909	0.2219
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9980	0.0020	0.9980	0.9938	0.0355
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.6835	0.1055	0.6835	0.5866	0.2891
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9265	0.0077	0.9265	0.9195	0.0481
spambase	0.9109	0.0891	0.9109	0.8134	0.4087
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.5905	0.0164	0.6054	0.5866	0.0921
splice-EI	0.9527	0.0473	0.9527	0.8771	0.3150
splice-IE	0.9211	0.0789	0.9211	0.7847	0.4403
sport-articles	0.7700	0.2300	0.7700	0.5039	0.7330
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8359	0.1641	0.8359	0.5229	0.6768
steel-d	0.9744	0.0256	0.9744	0.6539	0.5313
steel_industry	0.8984	0.0677	0.8984	0.8353	0.2379
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7692	0.2308	0.7692	0.4831	0.7395
steel-p	0.9282	0.0718	0.9282	0.5234	0.5906
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9744	0.0256	0.9744	0.8638	0.3518
studentap	0.3846	0.4103	0.3846	0.0545	0.6336
student-weekend	0.3538	0.2585	0.3538	0.1420	0.7594
student-workday	0.6406	0.1437	0.6406	0.1885	0.4717
susy10%	0.7879	0.2121	0.7879	0.5678	0.6725
swarm_aligned	0.9988	0.0012	0.9988	0.9971	0.0092
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9000	0.0182	0.9000	0.8899	0.1143
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9368	0.0632	0.9368	0.8586	0.3353
tis	0.8990	0.1010	0.8990	0.7172	0.4766
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.4706	0.2647	0.4706	0.3045	0.3541
toxicity	0.4706	0.5294	0.4706	-0.1168	0.9859
toxicity-13f	0.8824	0.1176	0.8824	0.7424	0.5014
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.7561	0.0542	0.7561	0.6938	0.2179
trec12-wc	0.9355	0.0161	0.9355	0.9227	0.0650

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8132	0.1385
trec23-wc	0.9048	0.0317	0.9048	0.8636	0.0667
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0135
trec41-wc	0.8864	0.0227	0.8864	0.8597	0.1159
trec45-wc	0.8696	0.0261	0.8696	0.8473	0.1202
tuandromd	0.9776	0.0224	0.9776	0.9286	0.1463
turkish	0.6500	0.1750	0.6500	0.5333	0.3662
tvnews	0.8976	0.1024	0.8976	0.7762	0.4440
urban	0.7910	0.0464	0.7910	0.7546	0.1704
vehicle	0.6786	0.1607	0.6786	0.5709	0.3303
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.4343	0.1028	0.4343	0.3778	0.3366
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9103	0.0897	0.9103	0.2994	0.5988
wap-wc	0.7179	0.0282	0.7179	0.6861	0.1907
warpar10p	0.4615	0.1077	0.4615	0.3893	0.1739
warppiel0p	0.8571	0.0286	0.8571	0.8401	0.0635
watch-acc10%	0.8790	0.0346	0.8790	0.8586	0.1352
watch-gyr10%	0.8650	0.0386	0.8650	0.8422	0.1166
waveform	0.7500	0.1667	0.7500	0.6251	0.4941
web-phishing	0.8815	0.0790	0.8815	0.7889	0.3641
weight-lift	0.9315	0.0274	0.9315	0.9133	0.1188
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0549
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.4969	0.1677	0.4969	0.3180	0.5725
winequality-white	0.4581	0.1548	0.4581	0.2485	0.6434
winnipeg	0.9833	0.0048	0.9833	0.9789	0.0460
yale	0.4375	0.0750	0.4375	0.3924	0.1361
yeast	0.3919	0.1216	0.3919	0.2752	0.5223
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.3410	0.5495
zip	0.8570	0.0286	0.8570	0.8396	0.1795
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 108: Detailed results for JOUSBoostUS(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1624	0.0586	0.1595	0.0763	0.5045
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	-0.0224	0.6102
accelerometer	0.9831	0.0169	0.9831	0.1265	0.1538
ads	0.9726	0.0274	0.9726	0.8808	0.2032
adult	0.8647	0.1353	0.8647	0.5866	0.5558
AID1284Morered	0.8889	0.1111	0.8889	0.3010	0.2451
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7905	0.2095	0.7905	0.0625	0.7749
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7297	0.2703	0.7297	0.4146	0.7645
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9966	0.0034	0.9966	0.0570	0.0159
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9624	0.0188	0.9624	0.9276	0.0827
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9471	0.0132	0.9471	0.9121	0.1308
anuran-species	0.9625	0.0075	0.9625	0.9477	0.0636
aps-failure	0.9870	0.0130	0.9870	0.4654	0.2046
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.8222	0.0273	0.8222	0.7111	0.1937
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8628	0.0111	0.8514	0.8712	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7279	0.1291
avila	0.8352	0.0275	0.8352	0.7756	0.1091
balance	0.9355	0.0430	0.9355	0.8802	0.1171
bank	0.9131	0.0869	0.9131	0.5677	0.5893
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8364	0.1636	0.8364	0.6120	0.4430
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.9964	0.0036	0.9964	0.7540	0.1407
biodeg	0.8762	0.1238	0.8762	0.7362	0.5083
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9818	0.0008	0.9805	0.4194	0.1830
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.1127	0.8846
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.6774	0.1083
bub10at310k-hg16-17	0.9115	0.0885	0.9115	0.0562	0.2495
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5957	0.5032
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9483	0.0259	0.9483	0.8934	0.2224
card	0.8551	0.1449	0.8551	0.7054	0.5520
cardiotocography	0.8639	0.0272	0.8639	0.8361	0.1595
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7939	0.3289
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7170	0.2733
cas_N6512_cdk_ECFP2	0.6221	0.3779	0.6221	0.2081	0.8128
cdc_diabetes	0.8478	0.1014	0.8478	0.1953	0.3242
census10%	0.9489	0.0511	0.9489	0.3450	0.4067
central-nervous-system	1.0000	0.0000	1.0000	1.0000	0.0000
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9998	0.0002	0.9998	0.8727	0.0694
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8014	0.4126
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6716	0.5255
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.7381	0.1746	0.7381	0.4577	0.3854
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8269	0.0866	0.8269	0.7288	0.3306
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.5183
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5850	0.2766	0.5850	0.3445	0.6438
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0618
codon_usage	0.7974	0.0368	0.7974	0.7500	0.2009
coil20	0.9514	0.0049	0.9514	0.9488	0.0312
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	-0.0116	0.9557
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.7241	0.2759	0.7241	0.3862	0.6717
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.7586	0.2414	0.7586	0.5085	0.4545
colposcopies-c	0.8966	0.1034	0.8966	0.6692	0.2534
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9852	0.0099	0.9852	0.5125	0.0622
cottonmeloidogyne	0.6683	0.3317	0.6683	0.3397	0.7175
coupon	0.7066	0.2934	0.7066	0.3824	0.7933
covtype	0.7410	0.0740	0.7410	0.5783	0.2898
covtypeCD	0.9786	0.0214	0.9786	0.9079	0.2049
covtypeT	0.9826	0.0174	0.9826	0.8626	0.2578
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.8664	0.0445	0.8664	0.7010	0.2819
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0000	0.0500	0.0000	0.0000	0.4102
cyclopentane	0.8519	0.1481	0.8519	0.6949	0.5229
cylinder-bands	0.7593	0.2407	0.7593	0.4753	0.5747
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8260	0.1740	0.8260	0.3874	0.6314
deposit	0.9005	0.0995	0.9005	0.4638	0.6102
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9038	0.0962	0.9038	0.7910	0.3835
diabetic10%	0.5393	0.3071	0.5393	0.0120	0.4244
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.2857	0.5283
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0909	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5615	0.4385	0.5615	0.1309	0.9440
dropout	0.7585	0.1610	0.7585	0.5951	0.4751
drug-01	0.3777	0.1778	0.3777	0.0079	0.5466
drug-02	0.4947	0.1444	0.4947	0.0422	0.5545
drug-03	0.6862	0.0897	0.6862	0.0219	0.2663
drug-04	0.4894	0.1459	0.4894	0.0418	0.6266
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3777	0.1778	0.3777	0.2142	0.6067
drug-07	0.3883	0.1748	0.3883	-0.0545	0.3938
drug-08	0.5372	0.1322	0.5372	0.0958	0.4956
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.1124	0.4293
drug-11	0.8457	0.0441	0.8457	-0.0065	0.2227
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6117	0.1109	0.6117	0.2126	0.3962
drug-14	0.6011	0.1140	0.6011	0.2895	0.4908
drug-15	0.7500	0.0714	0.7500	0.0152	0.2705
drug-16	0.5691	0.1231	0.5691	0.2596	0.4406
drug-17	0.3989	0.1717	0.3989	0.1600	0.4955
drug-18	1.0000	0.0021	1.0000	0.0000	0.0075
drug-19	0.7606	0.0684	0.7606	0.0015	0.2802
drybean	0.9258	0.0212	0.9258	0.9101	0.1194
ecoli	0.8824	0.0294	0.8824	0.8359	0.1124
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3173	0.0853	0.3173	0.2244	0.4913
eeg-eye	0.6542	0.3458	0.6542	0.2510	0.5884
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3659	0.8276
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4378	0.6885
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.4874	0.0997
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7615	0.4418
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8809	0.1649
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6183	0.6296
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7123	0.1151	0.7123	0.6293	0.3151
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9264	0.0736	0.9264	0.8520	0.3416
fbis-wc	0.7683	0.0273	0.7683	0.7333	0.1450
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6732	0.1469
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.6022	0.0052	0.6022	0.5794	0.2621
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9712	0.0096	0.9712	0.9651	0.0651
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.4081
gender	0.5937	0.2709	0.5937	0.0205	0.3504
gene	0.9274	0.0484	0.9274	0.8839	0.2081
german	0.7200	0.2800	0.7200	0.3120	0.7636
gina	0.8501	0.1499	0.8501	0.6993	0.5324
glass	0.7143	0.0952	0.7143	0.5772	0.1911
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.8095	0.1905	0.8095	0.5385	0.6309
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.5256
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9222	0.0130	0.9222	0.9081	0.1012
har70	0.8825	0.0336	0.8825	0.8303	0.1243
harth10%	0.8582	0.0236	0.8582	0.8056	0.1585
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.9333	0.0667	0.9333	0.8649	0.2404
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7973	0.2027	0.7973	0.5939	0.5951
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.7500	0.2500	0.7500	0.3750	0.7858
higgs10%	0.5611	0.4389	0.5611	0.0730	0.6206
higher	0.3571	0.1607	0.3571	0.2125	0.2777
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.8904	0.1096	0.8904	0.5502	0.5257
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.6111	0.2593	0.6111	0.2738	0.5980
htru2	0.9799	0.0201	0.9799	0.8758	0.2390
ht-sensor	0.6794	0.2137	0.6794	0.5284	0.3567
hypothyroid	0.9920	0.0040	0.9920	0.9526	0.0810
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6949	0.3051	0.6949	0.1690	0.8638
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8601	0.0108	0.8601	0.8545	0.1179
jm1	0.8127	0.1873	0.8127	0.1082	0.5353
fvowels	0.9217	0.0174	0.9217	0.9112	0.1211
kc1	0.8483	0.1517	0.8483	0.2369	0.6498
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5616	0.0354	0.5729	0.2534	0.2178
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8200	0.0200	0.8200	0.7988	0.2046
krvskp	0.9937	0.0063	0.9937	0.9874	0.0522
la1s-wc	0.7587	0.0804	0.7587	0.6844	0.2441
la2s-wc	0.7649	0.0784	0.7649	0.6933	0.2579
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.6845	0.0164	0.6640	0.6685	0.0638
led24	0.7000	0.0600	0.7000	0.6610	0.1254
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9040	0.0074	0.9040	0.9001	0.1066
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6944	0.0407	0.6944	0.6722	0.1287
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6765	0.3235	0.6765	0.3100	0.8329
localization	0.5922	0.0741	0.5922	0.4539	0.3661
lrs	0.7929	0.0382	0.8252	0.7219	0.1390
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6769	0.1268
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6667	0.1052
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.8729	0.0709	0.8732	0.7389	0.1555
lymphoma2	0.6667	0.0741	0.6667	0.5263	0.1184
madelon	0.5231	0.4769	0.5231	0.0462	0.9239
magic04	0.7954	0.2046	0.7954	0.4912	0.5089

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6031	0.6609
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7228	0.1848	0.7228	0.5761	0.4979
messidor	0.6696	0.3304	0.6696	0.3545	0.8036
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0606
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1880
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0569
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2032
mfeat-pix	0.9300	0.0140	0.9300	0.9222	0.0799
mfeat-zer	0.7150	0.0570	0.7150	0.6833	0.2085
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4564
mobile	0.8636	0.0049	0.8636	0.8611	0.0607
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9180	0.0820	0.9180	0.8076	0.2404
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8924	0.1076	0.8924	0.4247	0.2430
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9448
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4783	0.5217	0.4783	-0.0570	0.8170
mutagens_ExtendedFingerprinter	0.8088	0.1912	0.8088	0.6176	0.6013
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4343	0.7896
MUT_ci300400a	0.7494	0.2506	0.7494	0.4895	0.7545
MUT_ci300400a_cdk_ECFP2	0.6235	0.3765	0.6235	0.1243	0.6669
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9550	0.0450	0.9550	0.9100	0.2388
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.9159	0.0089	0.9159	0.7525	0.1940
newspop	0.5817	0.4183	0.5817	0.1244	0.8089
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9579	0.0421	0.9579	0.8963	0.2581
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0295	0.6839
nursery	0.9977	0.0009	0.9977	0.9966	0.0070
obs	0.9815	0.0093	0.9815	0.9727	0.0458
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9820	0.0291
oh0-wc	0.8515	0.0297	0.8515	0.8288	0.1241
oh10-wc	0.7333	0.0533	0.7333	0.6940	0.2300
oh15-wc	0.7935	0.0413	0.7935	0.7626	0.1786
oh5-wc	0.7912	0.0418	0.7912	0.7621	0.1545
opn310k	0.9117	0.0883	0.9117	0.0585	0.2368
opnat310k-hg16-17	0.9120	0.0880	0.9120	0.0702	0.2539
optdigits	0.9395	0.0121	0.9395	0.9327	0.0841
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.0250	0.0488	0.0250	0.0000	0.4257
orlraws10P	0.1000	0.1800	0.1000	0.0000	0.4073
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9048	0.1113

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8708	0.1292	0.8708	0.6657	0.5405
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5515	0.4485	0.5515	-0.0161	0.9186
pd	0.8816	0.1184	0.8816	0.6400	0.4189
pediatric-leukemia	0.7647	0.0672	0.7647	0.7059	0.1913
pendigits	0.9763	0.0047	0.9763	0.9737	0.0390
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.7778	0.2222	0.7778	0.4000	0.4011
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.6067	0.6400
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9269
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7465	0.4928
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.8000	0.2000	0.8000	0.5652	0.6314
phishing	0.9592	0.0408	0.9592	0.9144	0.2360
phoneme	0.8481	0.1519	0.8481	0.6572	0.5792
phy	0.6410	0.3590	0.6410	0.2801	0.7884
pima	0.7368	0.2632	0.7368	0.4081	0.7142
plx	0.5000	0.5000	0.5000	-0.1739	0.9401
poker	0.8024	0.0395	0.8024	0.6320	0.1625
polish-1st	0.9616	0.0384	0.9616	0.0640	0.2756
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9602	0.0398	0.9602	0.4489	0.3363
polish-5th	0.9560	0.0440	0.9560	0.5600	0.3265
polya	0.6530	0.3470	0.6530	0.0466	0.5608
popularity	0.6305	0.2463	0.6305	0.0010	0.3459
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9049	0.0381	0.9049	0.8809	0.1510
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7929
primary-tumor	0.5455	0.0413	0.5455	0.4933	0.1814
profb	0.7313	0.2687	0.7313	0.3109	0.7603
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9413	0.0235	0.9413	0.9208	0.1024
pufs-6410%	0.5030	0.4970	0.5030	0.0059	0.9835
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.7133	0.0441	0.7133	0.6003	0.2579
re1-wc	0.8434	0.0125	0.8434	0.8200	0.1043
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6444	0.3556	0.6444	0.2947	0.8563
RT_IOT2022	0.9979	0.0004	0.9979	0.9947	0.0043
satimage	0.8740	0.0420	0.8740	0.8446	0.2023
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9393	0.0607	0.9393	0.5839	0.3617
scadi	0.7131	0.0815	0.7083	0.6169	0.1428
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.6176	0.3824	0.6176	0.2353	0.8824
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.8266	0.1734	0.8266	0.6365	0.4631
segment	0.9524	0.0136	0.9524	0.9443	0.0546
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9748	0.0252	0.9748	0.8437	0.0852
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-4-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sensorless	0.9622	0.0069	0.9622	0.9584	0.0448
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8962	0.1038	0.8962	0.6035	0.5874
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9916	0.0084	0.9916	0.9749	0.1117
smk_can_187	0.5789	0.4211	0.5789	0.1461	0.9386
solar-flare	0.7842	0.0719	0.7842	0.7229	0.1720
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9706	0.0031	0.9706	0.9677	0.0123
spambase	0.9239	0.0761	0.9239	0.8392	0.3534
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8857	0.1143	0.8857	0.6818	0.2781
spectrometer	0.5998	0.0163	0.6023	0.5838	0.0949
splice-EI	0.9685	0.0315	0.9685	0.9184	0.2445
splice-IE	0.9401	0.0599	0.9401	0.8363	0.3713
sport-articles	0.8100	0.1900	0.8100	0.5992	0.6575
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8718	0.1282	0.8718	0.5447	0.5029
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8955	0.0696	0.8955	0.8304	0.2397
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7282	0.2718	0.7282	0.2986	0.6517
steel-p	0.9333	0.0667	0.9333	0.4474	0.5093
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9104	0.1831
studentap	0.6154	0.2564	0.6154	0.3750	0.3898
student-weekend	0.3846	0.2462	0.3846	0.1246	0.5829
student-workday	0.7188	0.1125	0.7188	0.1286	0.2244
susy10%	0.7332	0.2668	0.7332	0.4418	0.6149
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6785
Tdp_desc	0.8333	0.1667	0.8333	0.4130	0.5975
texture	0.9564	0.0079	0.9564	0.9519	0.0574
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8639	0.1361	0.8639	0.6135	0.5778
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.3684	0.1773
tox_171	0.7647	0.1176	0.7647	0.6822	0.2444
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7467	0.2533	0.7467	0.1990	0.8161
trec11-wc	0.8293	0.0379	0.8293	0.7840	0.1228
trec12-wc	0.7742	0.0565	0.7742	0.7274	0.1382

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.7876	0.0847
trec23-wc	0.8095	0.0635	0.8095	0.7200	0.1780
trec31-wc	0.9462	0.0154	0.9462	0.9282	0.0806
trec41-wc	0.9432	0.0114	0.9432	0.9303	0.0613
trec45-wc	0.9275	0.0145	0.9275	0.9155	0.0543
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.7500	0.1250	0.7500	0.6667	0.2835
tvnews	0.7686	0.2314	0.7686	0.4450	0.6150
urban	0.8358	0.0365	0.8358	0.8071	0.1488
vehicle	0.7976	0.1012	0.7976	0.7219	0.2399
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5051	0.0900	0.5051	0.4556	0.2472
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	-0.0006	0.2353
wap-wc	0.7949	0.0205	0.7949	0.7682	0.1209
warpar10p	0.4615	0.1077	0.4615	0.4052	0.1769
warppiel0p	0.9048	0.0190	0.9048	0.8937	0.0452
watch-acc10%	0.8963	0.0296	0.8963	0.8787	0.0646
watch-gyr10%	0.8954	0.0299	0.8954	0.8778	0.0574
waveform	0.7840	0.1440	0.7840	0.6761	0.4462
web-phishing	0.8667	0.0889	0.8667	0.7642	0.3879
weight-lift	0.8245	0.0702	0.8245	0.7745	0.2168
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.6289	0.1237	0.6289	0.3934	0.3574
winequality-white	0.5399	0.1315	0.5399	0.2392	0.4882
winnipeg	0.9673	0.0093	0.9673	0.9586	0.0667
yale	0.0625	0.1250	0.0625	0.0000	0.4106
yeast	0.5676	0.0865	0.5676	0.4409	0.3378
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.9129	0.0174	0.9129	0.9023	0.1291
zoo	0.6000	0.1143	0.6000	0.5122	0.1048

Table 109: Detailed results for JOUSBoostUS(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1578	0.0570	0.1606	0.0779	0.5135
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	-0.0224	0.6102
accelerometer	0.9828	0.0172	0.9828	0.0667	0.0594
ads	0.9726	0.0274	0.9726	0.8808	0.2032
adult	0.8634	0.1366	0.8634	0.5826	0.5593
AID1284Morered	0.8333	0.1667	0.8333	-0.0485	0.7128
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.1315	0.9388
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9304	0.0899
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9541	0.0115	0.9541	0.9233	0.0819
anuran-species	0.9736	0.0053	0.9736	0.9632	0.0402
aps-failure	0.9876	0.0124	0.9876	0.4789	0.0867
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.7556	0.0376	0.7556	0.5959	0.2558
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8657	0.0107	0.8858	0.8463	0.0224
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7297	0.1443
avila	0.8309	0.0282	0.8309	0.7711	0.1079
balance	0.9032	0.0645	0.9032	0.8178	0.1771
bank	0.9136	0.0864	0.9136	0.5481	0.5828
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8318	0.1682	0.8318	0.5999	0.4486
basehock	0.9849	0.0151	0.9849	0.9698	0.1051
bio	0.9962	0.0038	0.9962	0.7413	0.1749
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9747	0.0008	0.9791	0.4271	0.1824
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1786	0.9552
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8485	0.0526
bub10at310k-hg16-17	0.9109	0.0891	0.9109	0.0469	0.2562
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6612	0.2404
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9483	0.0259	0.9483	0.8929	0.2022
card	0.8986	0.1014	0.8986	0.7928	0.4424
cardiotocography	0.8685	0.0263	0.8685	0.8415	0.1377
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7752	0.3227
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6288	0.4491
cas_N6512_cdk_ECFP2	0.6267	0.3733	0.6267	0.2176	0.8031
cdc_diabetes	0.8484	0.1011	0.8484	0.1616	0.2993
census10%	0.9492	0.0508	0.9492	0.3211	0.3527
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9070	0.0930	0.9070	0.8009	0.4261
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9998	0.0002	0.9998	0.8620	0.0866
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5985	0.6406
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.7857	0.1429	0.7857	0.5563	0.3219
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8176	0.0912	0.8176	0.7090	0.2964
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5850	0.2766	0.5850	0.3448	0.6609
cnae-9	0.9722	0.0062	0.9722	0.9688	0.0261
codon_usage	0.7736	0.0412	0.7736	0.7209	0.2321
coil20	0.9722	0.0028	0.9722	0.9708	0.0171
collins	0.8400	0.0213	0.8400	0.8232	0.0598
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.1104	0.8482
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.6897	0.3103	0.6897	0.3185	0.7867
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6897	0.3103	0.6897	0.3680	0.6869
colposcopies-c	0.8966	0.1034	0.8966	0.6692	0.2534
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9836	0.0110	0.9836	0.4404	0.0332
cottonmeloidogyne	0.6683	0.3317	0.6683	0.3396	0.7245
coupon	0.7129	0.2871	0.7129	0.3945	0.7799
covtype	0.7379	0.0749	0.7379	0.5721	0.2800
covtypeCD	0.9811	0.0189	0.9811	0.9185	0.1809
covtypeT	0.9823	0.0177	0.9823	0.8603	0.2589
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8885	0.0372	0.8885	0.7520	0.2110
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2188	0.0391	0.2188	0.1968	0.1277
cyclopentane	0.8148	0.1852	0.8148	0.6218	0.6325
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.3866	0.6273
deposit	0.9007	0.0993	0.9007	0.4586	0.6068
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.6250	0.2500	0.6250	0.4419	0.2292
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9231	0.0769	0.9231	0.8344	0.3408
diabetic10%	0.5403	0.3065	0.5403	0.0062	0.3776
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6667	0.3333	0.6667	0.2500	0.7414
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5662	0.4338	0.5662	0.1401	0.9401
dropout	0.7427	0.1716	0.7427	0.5500	0.4220
drug-01	0.3777	0.1778	0.3777	-0.0118	0.4302
drug-02	0.5160	0.1383	0.5160	0.0678	0.3972
drug-03	0.6809	0.0912	0.6809	-0.0033	0.3275
drug-04	0.5053	0.1413	0.5053	0.0370	0.5782
drug-05	0.7287	0.0775	0.7287	-0.0081	0.2227
drug-06	0.4255	0.1641	0.4255	0.2629	0.4816
drug-07	0.3830	0.1763	0.3830	-0.0683	0.3916
drug-08	0.5532	0.1277	0.5532	0.0881	0.4267
drug-09	0.8617	0.0395	0.8617	-0.0076	0.1838
drug-10	0.5532	0.1277	0.5532	0.0963	0.4359
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6170	0.1094	0.6170	0.2124	0.3372
drug-14	0.6170	0.1094	0.6170	0.2869	0.4395
drug-15	0.7553	0.0699	0.7553	0.0222	0.2422
drug-16	0.5957	0.1155	0.5957	0.3052	0.3628
drug-17	0.3617	0.1824	0.3617	0.1006	0.5359
drug-18	1.0000	0.0022	0.9800	0.0000	0.0074
drug-19	0.7660	0.0669	0.7660	0.0083	0.2289
drybean	0.9236	0.0218	0.9236	0.9075	0.1235
ecoli	0.8529	0.0368	0.8529	0.7888	0.1034
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2929	0.0884	0.2929	0.1942	0.5318
eeg-eye	0.6502	0.3498	0.6502	0.2416	0.5902
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.5063	0.7302
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4961	0.6945
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5436	0.6650
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8809	0.1649
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7369	0.5095
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6986	0.1205	0.6986	0.6087	0.3010
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9244	0.0756	0.9244	0.8479	0.3489
fbis-wc	0.8293	0.0201	0.8293	0.8050	0.1198
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6732	0.1469
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.6289	0.0049	0.6289	0.6085	0.2866
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9705	0.0098	0.9705	0.9643	0.0608
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5916	0.2723	0.5916	0.0116	0.3366
gene	0.9401	0.0400	0.9401	0.9044	0.1794
german	0.7200	0.2800	0.7200	0.3017	0.7423
gina	0.8386	0.1614	0.8386	0.6763	0.5687
glass	0.7619	0.0794	0.7619	0.6569	0.2065
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8929	0.1071	0.8929	0.7823	0.4537
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1867	0.5483
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9048	0.0159	0.9048	0.8873	0.0924
har70	0.8792	0.0345	0.8792	0.8254	0.1275
harth10%	0.8511	0.0248	0.8511	0.7954	0.1653
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7977	0.2023	0.7977	0.5948	0.5934
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5613	0.4387	0.5613	0.0734	0.6205
higher	0.2143	0.1964	0.2143	0.0833	0.3309
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8887	0.1113	0.8887	0.5282	0.5038
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.6667	0.2222	0.6667	0.3820	0.5244
htru2	0.9799	0.0201	0.9799	0.8744	0.2232
ht-sensor	0.7515	0.1657	0.7515	0.6300	0.4147
hypothyroid	0.9894	0.0053	0.9894	0.9359	0.0881
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136
ilpd	0.7119	0.2881	0.7119	0.1663	0.8198
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7420	0.0198	0.7420	0.7317	0.2117
jm1	0.8127	0.1873	0.8127	0.0937	0.5002
fvowels	0.9006	0.0221	0.9006	0.8871	0.1192
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5811	0.0361	0.5578	0.2440	0.2151
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4633	0.6998
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8364	0.0182	0.8364	0.8172	0.1906
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.7841	0.0720	0.7841	0.7178	0.2067
la2s-wc	0.7914	0.0695	0.7914	0.7289	0.2266
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6869	0.0165	0.6853	0.6554	0.0634
led24	0.6500	0.0700	0.6500	0.6056	0.1550
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9215	0.0060	0.9215	0.9183	0.0859
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6667	0.0444	0.6667	0.6421	0.1418
linkage10%	1.0000	0.0000	1.0000	0.9976	0.0001
liver	0.7353	0.2647	0.7353	0.4354	0.7621
localization	0.5368	0.0842	0.5368	0.3646	0.3771
lrs	0.8211	0.0381	0.8154	0.7476	0.1385
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.8528	0.0697	0.8670	0.7606	0.1585
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.4923	0.5077	0.4923	-0.0154	0.9496
magic04	0.7943	0.2057	0.7943	0.4898	0.5232

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6449	0.6199
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7822	0.1452	0.7822	0.6698	0.4273
messidor	0.6696	0.3304	0.6696	0.3602	0.7758
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.1005
mfeat-fou	0.7400	0.0520	0.7400	0.7111	0.2252
mfeat-kar	0.8700	0.0260	0.8700	0.8556	0.1534
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.1885
mfeat-pix	0.9450	0.0110	0.9450	0.9389	0.0662
mfeat-zer	0.7000	0.0600	0.7000	0.6667	0.2052
mice-prot	0.9722	0.0069	0.9722	0.9682	0.0266
mines	0.5000	0.2000	0.5000	0.3724	0.5055
mobile	0.7098	0.0104	0.7098	0.7045	0.1250
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.8852	0.1148	0.8852	0.7240	0.2925
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8924	0.1076	0.8924	0.4247	0.2430
mutagen_class_1	0.4412	0.5588	0.4412	-0.1176	0.9507
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4783	0.5217	0.4783	-0.0570	0.8170
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.6365
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4631	0.7463
MUT_ci300400a	0.7481	0.2519	0.7481	0.4863	0.7568
MUT_ci300400a_cdk_ECFP2	0.6259	0.3741	0.6259	0.1283	0.6426
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9553	0.0447	0.9553	0.9107	0.2353
nci9	0.6667	0.0741	0.6667	0.6129	0.0312
ncRNA10%	0.9147	0.0090	0.9147	0.7473	0.1778
newspop	0.5646	0.4354	0.5646	0.0806	0.7378
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9585	0.0415	0.9585	0.8973	0.2502
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0211	0.6935
nursery	0.9969	0.0012	0.9969	0.9955	0.0081
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9307	0.0139	0.9307	0.9208	0.0676
oh10-wc	0.7619	0.0476	0.7619	0.7280	0.2174
oh15-wc	0.8696	0.0261	0.8696	0.8515	0.1223
oh5-wc	0.8571	0.0286	0.8571	0.8385	0.1240
opn310k	0.9116	0.0883	0.9116	0.0551	0.2304
opnat310k-hg16-17	0.9113	0.0887	0.9113	0.0559	0.2554
optdigits	0.9448	0.0110	0.9448	0.9387	0.0725
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.8000	0.0100	0.8000	0.7949	0.0347
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9289	0.0711	0.9289	0.0932	0.1761
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9048	0.1113

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8695	0.1305	0.8695	0.6611	0.5410
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5722	0.4278	0.5722	0.0037	0.8038
pd	0.8684	0.1316	0.8684	0.5918	0.4410
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1537
pendigits	0.9791	0.0042	0.9791	0.9767	0.0366
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.4000	0.4011
P-Glycoprotein_b_Inhibitor	0.8299	0.1701	0.8299	0.6197	0.6297
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9211
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8968	0.1032	0.8968	0.7943	0.4192
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3137	0.8348
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9510	0.0490	0.9510	0.8968	0.2646
phoneme	0.8500	0.1500	0.8500	0.6608	0.5766
phy	0.6420	0.3580	0.6420	0.2821	0.7887
pima	0.7105	0.2895	0.7105	0.3569	0.7863
plrx	0.6111	0.3889	0.6111	-0.1887	0.9536
poker	0.7819	0.0436	0.7819	0.5906	0.1614
polish-1st	0.9630	0.0370	0.9630	0.0689	0.1081
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9592	0.0408	0.9592	0.4419	0.3694
polish-5th	0.9526	0.0474	0.9526	0.5119	0.3384
polya	0.6562	0.3438	0.6562	0.0563	0.5459
popularity	0.6310	0.2460	0.6310	0.0014	0.3201
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9161	0.0335	0.9161	0.8950	0.1445
pred-tox_mutagen_ref-desc	0.7353	0.2647	0.7353	0.4706	0.7633
primary-tumor	0.5152	0.0441	0.5152	0.4596	0.1991
profb	0.7463	0.2537	0.7463	0.3224	0.6599
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9400	0.0240	0.9400	0.9191	0.0967
pufs-6410%	0.4991	0.5009	0.4991	-0.0019	0.9755
raisin	0.8778	0.1222	0.8778	0.7556	0.4709
re0-wc	0.7867	0.0328	0.7867	0.7046	0.1894
re1-wc	0.8434	0.0125	0.8434	0.8207	0.1272
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5806	0.4194	0.5806	0.0384	0.8974
RT_IOT2022	0.9982	0.0003	0.9982	0.9955	0.0062
satimage	0.8834	0.0389	0.8834	0.8555	0.1721
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.9347	0.0653	0.9347	0.5401	0.3749
scadi	0.7277	0.0833	0.7255	0.6189	0.1371
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5000	0.5000	0.5000	0.0000	0.9694
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.8934	0.1066	0.8934	0.7813	0.4164
segment	0.9610	0.0111	0.9610	0.9544	0.0503
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-3-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-4-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sensorless	0.9689	0.0057	0.9689	0.9658	0.0405
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8889	0.1111	0.8889	0.5536	0.6025
shuttle	0.9997	0.0001	0.9997	0.9990	0.0006
sick	0.9788	0.0212	0.9788	0.7987	0.0728
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9917	0.0083	0.9917	0.9750	0.1113
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7842	0.0719	0.7842	0.7221	0.1710
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9706	0.0031	0.9706	0.9677	0.0123
spambase	0.9304	0.0696	0.9304	0.8526	0.3227
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8857	0.1143	0.8857	0.6818	0.2781
spectrometer	0.6109	0.0166	0.6025	0.5941	0.0957
splice-EI	0.9811	0.0189	0.9811	0.9507	0.1724
splice-IE	0.9495	0.0505	0.9495	0.8640	0.3386
sport-articles	0.8100	0.1900	0.8100	0.5947	0.6609
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8513	0.1487	0.8513	0.4231	0.4635
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8961	0.0693	0.8961	0.8315	0.2377
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.7282	0.2718	0.7282	0.2986	0.6517
steel-p	0.9333	0.0667	0.9333	0.4474	0.5093
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9846	0.0154	0.9846	0.9104	0.1831
studentap	0.5385	0.3077	0.5385	0.2642	0.4990
student-weekend	0.3846	0.2462	0.3846	0.0978	0.5969
student-workday	0.7188	0.1125	0.7188	0.1542	0.2249
susy10%	0.7354	0.2646	0.7354	0.4467	0.6158
swarm_aligned	0.9979	0.0021	0.9979	0.9951	0.0142
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7050
Tdp_desc	0.7778	0.2222	0.7778	0.2174	0.7630
texture	0.9764	0.0043	0.9764	0.9739	0.0353
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8669	0.1331	0.8669	0.6203	0.5665
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.6250	0.1250	0.6250	0.4146	0.1603
tox_171	0.6471	0.1765	0.6471	0.5278	0.2154
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.7059	0.2941	0.7059	0.2056	0.4505
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	0.0924	0.8701
trec11-wc	0.9024	0.0217	0.9024	0.8802	0.0960
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6172	0.1017
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9713	0.0383
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0188
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.8000	0.1000	0.8000	0.7333	0.2460
tvnews	0.7695	0.2305	0.7695	0.4469	0.6106
urban	0.7761	0.0498	0.7761	0.7370	0.1960
vehicle	0.7500	0.1250	0.7500	0.6614	0.2516
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5556	0.0808	0.5556	0.5111	0.2421
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.8333	0.0167	0.8333	0.8126	0.1058
warpar10p	0.6923	0.0615	0.6923	0.6556	0.1002
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9389	0.0175	0.9389	0.9286	0.0620
watch-gyr10%	0.9284	0.0205	0.9284	0.9164	0.0651
waveform	0.7900	0.1400	0.7900	0.6850	0.4441
web-phishing	0.8741	0.0840	0.8741	0.7786	0.3779
weight-lift	0.9124	0.0351	0.9124	0.8892	0.1555
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0287
wilt	0.9855	0.0145	0.9855	0.8551	0.3478
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6604	0.1132	0.6604	0.4433	0.3502
winequality-white	0.5399	0.1315	0.5399	0.2444	0.4952
winnipeg	0.9652	0.0100	0.9652	0.9558	0.0571
yale	0.5625	0.0583	0.5625	0.5314	0.0983
yeast	0.5811	0.0838	0.5811	0.4603	0.3467
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.8871	0.0226	0.8871	0.8734	0.1468
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 110: Detailed results for EPIBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1847	0.0562	0.1847	0.1013	0.4720
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9726	0.0274	0.9726	0.8785	0.1617
adult	0.8616	0.1384	0.8616	0.5757	0.5628
AID1284Morered	0.8333	0.1667	0.8333	-0.0485	0.7128
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7714	0.2286	0.7714	0.0300	0.8195
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6486	0.3514	0.6486	0.2473	0.8854
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9966	0.0034	0.9966	0.0570	0.0159
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9430	0.0285	0.9430	0.8899	0.1230
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9318	0.0170	0.9318	0.8847	0.1128
anuran-species	0.9514	0.0097	0.9514	0.9323	0.0805
aps-failure	0.9872	0.0128	0.9872	0.4921	0.2342
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.8444	0.0239	0.8444	0.7472	0.1369
auction	0.9706	0.0294	0.9706	0.8585	0.2020
audiology	0.7826	0.0181	0.7826	0.7450	0.0720
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7306	0.1653
avila	0.8026	0.0329	0.8026	0.7279	0.1328
balance	0.9194	0.0538	0.9194	0.8485	0.1139
bank	0.9145	0.0855	0.9145	0.5242	0.5643
banknote	0.9635	0.0365	0.9635	0.9265	0.2074

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8295	0.1705	0.8295	0.5974	0.4915
basehock	0.9347	0.0653	0.9347	0.8693	0.2462
bio	0.9962	0.0038	0.9962	0.7470	0.1741
biodeg	0.8667	0.1333	0.8667	0.7089	0.5044
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0008	0.9880	0.4106	0.1846
block10%	0.9922	0.0000	0.9960	0.9782	0.0003
block10%	0.9922	0.0000	0.9960	0.9782	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.4096	0.7758
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.8000	0.0571	0.8000	0.6774	0.1083
bub10at310k-hg16-17	0.9127	0.0873	0.9127	0.0854	0.2683
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9310	0.0345	0.9310	0.8581	0.2316
card	0.8841	0.1159	0.8841	0.7621	0.4822
cardiotocography	0.8498	0.0300	0.8498	0.8187	0.1707
cardiotocography-nsp	0.9014	0.0657	0.9014	0.7274	0.3856
cargo2k	0.9924	0.0051	0.9924	0.9886	0.0248
cars	0.7500	0.1667	0.7500	0.5536	0.5268
cas_N6512_cdk_ECFP2	0.5929	0.4071	0.5929	0.1354	0.7568
cdc_diabetes	0.8519	0.0998	0.8654	0.1515	0.2901
census10%	0.9482	0.0518	0.9482	0.3511	0.4367
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9535	0.0465	0.9535	0.3120	0.5355
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9070	0.0930	0.9070	0.8009	0.4261
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9879	0.0002	0.9845	0.8955	0.0698
ci100410h_MACCS	0.7812	0.2188	0.7812	0.0000	0.3716
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7336	0.5122
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2857	0.7837
cirrhosis	0.7381	0.1746	0.7381	0.4577	0.3854
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8074	0.0963	0.8074	0.6943	0.3192
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5578	0.2948	0.5578	0.3000	0.6763
cnae-9	0.8426	0.0350	0.8426	0.8229	0.1489
codon_usage	0.8204	0.0327	0.8204	0.7795	0.2711
coil20	0.9236	0.0076	0.9236	0.9196	0.0488
collins	0.9400	0.0080	0.9400	0.9340	0.0224
colon-tumor	0.3333	0.6667	0.3333	-0.2000	0.9308
colposcopies-1	0.6552	0.3448	0.6552	0.1989	0.8928
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.5862	0.4138	0.5862	0.0794	0.9150
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7931	0.2069	0.7931	0.5837	0.6596
colposcopies-c	0.8966	0.1034	0.8966	0.6692	0.2534
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7419	0.1720	0.7419	0.5860	0.3017
connect-4	0.9836	0.0110	0.9836	0.4377	0.0667
cottonmeloidogyne	0.6442	0.3558	0.6442	0.2847	0.7403
coupon	0.6979	0.3020	0.6979	0.3745	0.8243
covtype	0.9740	0.0110	0.9643	0.9317	0.1090
covtypeCD	0.9707	0.0293	0.9707	0.8720	0.2506
covtypeT	0.9771	0.0229	0.9771	0.8146	0.2927
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8903	0.0366	0.8903	0.7584	0.2274
cryotherapy	0.6667	0.3333	0.6667	0.3415	0.8344
cultivars	0.1875	0.0406	0.1875	0.1705	0.1287
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8247	0.1753	0.8247	0.3836	0.6372
deposit	0.8996	0.1004	0.8996	0.4438	0.6071
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7333	0.1179
dexter	0.9000	0.1000	0.9000	0.8000	0.3911
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5588	0.5652
diabetes	0.8846	0.1154	0.8846	0.7468	0.4205
diabetic10%	0.5491	0.3006	0.5491	0.0370	0.4188
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4167	0.5833	0.4167	-0.2727	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5599	0.4401	0.5599	0.0909	0.8898
dropout	0.7585	0.1610	0.7585	0.5941	0.4778
drug-01	0.4043	0.1702	0.4043	0.0699	0.5641
drug-02	0.5000	0.1429	0.5000	0.0663	0.4971
drug-03	0.6915	0.0881	0.6915	0.0289	0.2398
drug-04	0.4734	0.1505	0.4734	0.0032	0.6985
drug-05	0.7128	0.0821	0.7128	-0.0097	0.4798
drug-06	0.4255	0.1641	0.4255	0.2774	0.5769
drug-07	0.3989	0.1717	0.3989	-0.0173	0.3657
drug-08	0.5638	0.1246	0.5638	0.1559	0.4195
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5532	0.1277	0.5532	0.1309	0.4181
drug-11	0.8404	0.0456	0.8404	-0.0115	0.3657
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6117	0.1109	0.6117	0.2182	0.3757
drug-14	0.6064	0.1125	0.6064	0.2795	0.5324
drug-15	0.7553	0.0699	0.7553	0.0222	0.2437
drug-16	0.5585	0.1261	0.5585	0.2327	0.4429
drug-17	0.3936	0.1733	0.3936	0.1627	0.5095
drug-18	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19	0.7553	0.0699	0.7553	-0.0207	0.3142
drybean	0.9214	0.0225	0.9214	0.9049	0.1279
ecoli	0.8529	0.0368	0.8529	0.7957	0.1453
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3332	0.0834	0.3332	0.2449	0.5395
eeg-eye	0.6188	0.3812	0.6188	0.1720	0.6762
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4144	0.7069
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.4048	0.7394
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6202	0.5322
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8388	0.1996
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6273	0.5768
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6164	0.1534	0.6164	0.5024	0.3951
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9981	0.0212	0.9769	0.9466	0.1394
fbis-wc	0.7439	0.0301	0.7439	0.7073	0.2092
fda.atompair_fp	0.6818	0.3182	0.6818	-0.0845	0.8266
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4953	0.2528
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.5640	0.0057	0.5640	0.5381	0.2940
forest	0.9038	0.0481	0.9038	0.8671	0.1247
gas	0.9526	0.0158	0.9526	0.9424	0.0972
gastrointestinal	0.8750	0.0833	0.8750	0.7838	0.1211
gender	0.5705	0.2863	0.5705	-0.0091	0.5159
gene	0.9274	0.0484	0.9274	0.8845	0.2094
german	0.6900	0.3100	0.6900	0.2211	0.7953
gina	0.8415	0.1585	0.8415	0.6819	0.5515
glass	0.7619	0.0794	0.7619	0.6624	0.2092
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7551	0.4910
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.2667	0.3667	0.2667	0.0000	0.5120
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9122	0.0146	0.9122	0.8962	0.0950
har70	0.9295	0.0234	0.9335	0.8903	0.1184
harth10%	0.8696	0.0215	0.8834	0.8338	0.1601
hayes-roth	0.5625	0.2917	0.5625	0.3129	0.4109
hcc-survival	0.5294	0.4706	0.5294	-0.0149	0.9858
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8208	0.1967	0.8113	0.6144	0.6059
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5450	0.4511	0.5536	0.0522	0.5809
higher	0.2857	0.1786	0.2857	0.1195	0.3430
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8769	0.1231	0.8769	0.5083	0.5954
hiva	0.9645	0.0355	0.9645	0.1102	0.3399
horse	0.6389	0.2407	0.6389	0.3256	0.5707
htru2	0.9799	0.0201	0.9799	0.8714	0.1851
ht-sensor	0.9979	0.0002	0.9936	1.0000	0.0016
hypothyroid	0.9920	0.0040	0.9920	0.9526	0.0810
hypothyroidT	0.9920	0.0080	0.9920	0.9431	0.1266
ilpd	0.6780	0.3220	0.6780	0.1397	0.8847
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8395	0.0123	0.8395	0.8331	0.1336
jm1	0.8090	0.1910	0.8090	0.1281	0.6230
fvowels	0.8956	0.0232	0.8956	0.8816	0.1560
kc1	0.8578	0.1422	0.8578	0.2846	0.6080
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.2394	0.7582
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7198	0.0311	0.7198	0.6865	0.2880
krvskp	0.9843	0.0157	0.9843	0.9686	0.1099
la1s-wc	0.7143	0.0952	0.7143	0.6315	0.3533
la2s-wc	0.7318	0.0894	0.7318	0.6468	0.2820
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4706	0.0265	0.4706	0.4491	0.1008
led24	0.6500	0.0700	0.6500	0.6045	0.1488
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8645	0.0104	0.8645	0.8590	0.1481
leukemia	0.7143	0.1905	0.7143	0.5625	0.1509
leukemia2	0.8571	0.1429	0.8571	0.6957	0.3522
libra	0.6944	0.0407	0.6944	0.6708	0.1229
linkage10%	1.0000	0.0000	0.9872	1.0000	0.0001
liver	0.7647	0.2353	0.7647	0.4625	0.7536
localization	0.5789	0.0766	0.5789	0.4358	0.3724
lrs	0.7925	0.0415	0.7925	0.7155	0.1492
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.8571	0.0571	0.8571	0.6769	0.1268
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6154	0.1305
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.5000	0.1429	0.5000	0.3600	0.1619
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7143	0.1429	0.7143	0.4510	0.3188
lymphoma2	0.6667	0.0741	0.6667	0.5000	0.1309
madelon	0.4962	0.5038	0.4962	-0.0077	0.9031
magic04	0.8264	0.1736	0.8264	0.5844	0.5268

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6449	0.6199
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5483	0.5323
messidor	0.6783	0.3217	0.6783	0.3587	0.8336
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	0.8889	0.0741	0.8889	0.8333	0.1548
meter-C	0.8333	0.0833	0.8333	0.7702	0.2056
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9350	0.0130	0.9350	0.9278	0.0713
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1897
mfeat-kar	0.9100	0.0180	0.9100	0.9000	0.1049
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2037
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.0888
mfeat-zer	0.7200	0.0560	0.7200	0.6889	0.2142
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4463	0.4364
mobile	0.8706	0.0046	0.8706	0.8683	0.0591
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.7213	0.2787	0.7213	0.2358	0.4403
monks-3	0.9643	0.0357	0.9643	0.9285	0.2076
mushroom	0.9963	0.0037	0.9963	0.9926	0.0289
musk	0.8848	0.1152	0.8848	0.3944	0.3953
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9694
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9046
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.6639
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2738	0.8920
MUT_ci300400a	0.6378	0.3622	0.6378	0.1837	0.7054
MUT_ci300400a_cdk_ECFP2	0.5911	0.4089	0.5911	0.0280	0.5890
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9543	0.0457	0.9543	0.9086	0.2426
nci9	0.3333	0.1481	0.3333	0.2727	0.1065
ncRNA10%	0.9161	0.0088	0.9161	0.7561	0.2531
newspop	0.5308	0.4692	0.5308	-0.0005	0.6421
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9515	0.0485	0.9515	0.8790	0.2694
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0202	0.6966
nursery	0.9877	0.0049	0.9877	0.9819	0.0363
obs	0.8981	0.0509	0.8981	0.8485	0.1558
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9901	0.0049	0.9901	0.9700	0.0501
oh0-wc	0.8317	0.0337	0.8317	0.8051	0.1231
oh10-wc	0.6952	0.0610	0.6952	0.6522	0.2496
oh15-wc	0.7391	0.0522	0.7391	0.6995	0.2336
oh5-wc	0.6813	0.0637	0.6813	0.6361	0.2460
opn310k	0.9123	0.0877	0.9123	0.0784	0.2691
opnat310k-hg16-17	0.9117	0.0883	0.9117	0.0708	0.2799
optdigits	0.9146	0.0171	0.9146	0.9050	0.1183
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.2500	0.0375	0.2500	0.2308	0.1492
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0853
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9289	0.0711	0.9289	0.2258	0.4618
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8837	0.1361

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8730	0.1270	0.8730	0.6769	0.5449
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5773	0.4227	0.5773	0.0019	0.7080
pd	0.8684	0.1316	0.8684	0.6226	0.5508
pediatric-leukemia	0.7059	0.0840	0.7059	0.6288	0.2338
pendigits	0.9672	0.0066	0.9672	0.9636	0.0537
period	0.7778	0.2222	0.7778	0.4000	0.4011
period-10f	0.7778	0.2222	0.7778	0.4000	0.4011
P-Glycoprotein_b_Inhibitor	0.8093	0.1907	0.8093	0.5672	0.6690
P-Glycoprotein_b_Substrate	0.7600	0.2400	0.7600	0.5200	0.6464
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7315	0.4955
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.5500	0.4500	0.5500	0.0426	0.9729
phishing	0.9592	0.0408	0.9592	0.9144	0.2360
phoneme	0.8241	0.1759	0.8241	0.5903	0.6496
phy	0.6640	0.3360	0.6640	0.3279	0.8643
pima	0.6974	0.3026	0.6974	0.3235	0.8000
plx	0.4444	0.5556	0.4444	-0.2329	0.9308
poker	0.7626	0.0441	0.7647	0.5935	0.1732
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9467	0.0533	0.9467	-0.0103	0.4762
polish-4th	0.9582	0.0418	0.9582	0.4207	0.3739
polish-5th	0.9442	0.0558	0.9442	0.4649	0.4947
polya	0.6573	0.3427	0.6573	0.0664	0.5926
popularity	0.6308	0.2462	0.6308	0.0049	0.3564
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9032	0.0387	0.9032	0.8789	0.1611
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8778
primary-tumor	0.5152	0.0441	0.5152	0.4607	0.2099
profb	0.7015	0.2985	0.7015	0.2136	0.7942
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9487	0.0205	0.9487	0.9308	0.0981
pufs-6410%	0.4976	0.4995	0.4930	0.0011	0.9949
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.7533	0.0379	0.7533	0.6633	0.2573
re1-wc	0.7892	0.0169	0.7892	0.7543	0.1250
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5849	0.4151	0.5849	0.0025	0.7382
RT_IOT2022	0.9972	0.0005	0.9972	0.9929	0.0062
satimage	0.8709	0.0430	0.8709	0.8404	0.2012
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9300	0.0700	0.9300	0.5115	0.4292
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5000	0.5000	0.5000	0.0000	0.9994
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6443	0.3557	0.6443	0.3325	0.5268
segment	0.9481	0.0148	0.9481	0.9393	0.0688
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9380	0.0620	0.9380	0.1046	0.1594
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-2-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sens-3-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-4-gram	0.8553	0.1447	0.8553	-0.0245	0.5852
sensorless	0.9639	0.0066	0.9639	0.9603	0.0498
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8897	0.1103	0.8897	0.5618	0.6019
shuttle	0.9993	0.0002	0.9993	0.9981	0.0153
sick	0.9708	0.0292	0.9708	0.7171	0.2170
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0004	1.0000	1.0000	0.0103
smk_can_187	0.5263	0.4737	0.5263	0.0552	0.9801
solar-flare	0.7338	0.0887	0.7338	0.6586	0.2130
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0123
spambase	0.9196	0.0804	0.9196	0.8300	0.3685
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.7714	0.2286	0.7714	0.3636	0.7272
spectrometer	0.5283	0.0197	0.5283	0.5011	0.1255
splice-EI	0.9653	0.0347	0.9653	0.9092	0.2535
splice-IE	0.9369	0.0631	0.9369	0.8253	0.3761
sport-articles	0.7800	0.2200	0.7800	0.5281	0.7159
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8513	0.1487	0.8513	0.4932	0.6178
steel-d	0.9795	0.0205	0.9795	0.4922	0.0689
steel_industry	0.8955	0.0696	0.8955	0.8302	0.2395
steel-k	0.9692	0.0308	0.9692	0.9039	0.2161
steel-o	0.7641	0.2359	0.7641	0.4506	0.7335
steel-p	0.9128	0.0872	0.9128	0.0815	0.5290
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9641	0.0359	0.9641	0.7688	0.2519
studentap	0.5385	0.3077	0.5385	0.2500	0.4742
student-weekend	0.3692	0.2523	0.3692	0.0978	0.5889
student-workday	0.7500	0.1000	0.7500	0.2213	0.1906
susy10%	0.7820	0.2294	0.7604	0.5228	0.7284
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9988	0.0012	0.9988	0.9975	0.0132
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.7302
Tdp_desc	0.7500	0.2500	0.7500	0.2430	0.8165
texture	0.9455	0.0099	0.9455	0.9399	0.0711
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9579	0.0421	0.9579	0.9028	0.1545
tis	0.8691	0.1309	0.8691	0.6263	0.5591
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.0857	0.2472
tox_171	0.7647	0.1176	0.7647	0.6852	0.1975
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.6471	0.3529	0.6471	0.0893	0.8324
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	0.0072	0.8694
trec11-wc	0.8049	0.0434	0.8049	0.7563	0.1887
trec12-wc	0.7419	0.0645	0.7419	0.6865	0.1642

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8639	0.0552
trec23-wc	0.9048	0.0317	0.9048	0.8600	0.0651
trec31-wc	0.9355	0.0184	0.9355	0.9131	0.0482
trec41-wc	0.9091	0.0182	0.9091	0.8884	0.1011
trec45-wc	0.9420	0.0116	0.9420	0.9324	0.0358
tuandromd	0.9731	0.0269	0.9731	0.9165	0.2216
turkish	0.6750	0.1625	0.6750	0.5667	0.4200
tvnews	0.8388	0.1612	0.8388	0.6453	0.5940
urban	0.8507	0.0332	0.8507	0.8252	0.1307
vehicle	0.7619	0.1190	0.7619	0.6779	0.2846
vehicleVAN	0.9286	0.0714	0.9286	0.8209	0.4048
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5152	0.0882	0.5152	0.4667	0.2574
vowelZ	0.8990	0.1010	0.8990	-0.0185	0.5421
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.7436	0.0256	0.7436	0.7104	0.1651
warpar10p	0.3846	0.1231	0.3846	0.3203	0.2155
warppiel0p	0.7619	0.0476	0.7619	0.7348	0.0915
watch-acc10%	0.9023	0.0279	0.9023	0.8857	0.1030
watch-gyr10%	0.9052	0.0271	0.9052	0.8892	0.0764
waveform	0.7760	0.1493	0.7760	0.6644	0.4420
web-phishing	0.8296	0.1136	0.8296	0.6924	0.4576
weight-lift	0.8922	0.0431	0.8922	0.8627	0.1568
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9834	0.0166	0.9834	0.8246	0.3329
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.6289	0.1237	0.6289	0.3877	0.3553
winequality-white	0.5460	0.1297	0.5460	0.2626	0.4427
winnipeg	0.9648	0.0101	0.9648	0.9554	0.0716
yale	0.4375	0.0750	0.4375	0.3975	0.1398
yeast	0.6081	0.0784	0.6081	0.4938	0.3417
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	-0.0109	0.5494
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9097	0.0181	0.9097	0.8987	0.1316
zoo	0.9000	0.0286	0.9000	0.8649	0.0447

Table 111: Detailed results for EPIBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1415	0.0592	0.1415	0.0548	0.4838
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9834	0.0166	0.9834	0.1291	0.0577
ads	0.9726	0.0274	0.9726	0.8785	0.1617
adult	0.8626	0.1374	0.8626	0.5804	0.5626
AID1284Morered	0.8333	0.1667	0.8333	-0.0485	0.7128
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	0.0458	0.8007
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5405	0.4595	0.5405	0.0570	0.9694
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5860	0.6412
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9444	0.0278	0.9444	0.8933	0.1416
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9485	0.0129	0.9485	0.9144	0.1246
anuran-species	0.9625	0.0075	0.9625	0.9476	0.0657
aps-failure	0.9871	0.0129	0.9871	0.4894	0.2494
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7556	0.0376	0.7556	0.5899	0.2601
auction	0.9804	0.0196	0.9804	0.9056	0.0721
audiology	0.7391	0.0217	0.7391	0.6967	0.0961
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7306	0.1653
avila	0.8064	0.0323	0.8064	0.7343	0.1223
balance	0.9032	0.0645	0.9032	0.8180	0.1797
bank	0.9119	0.0881	0.9119	0.5015	0.5707
banknote	0.9635	0.0365	0.9635	0.9267	0.1837

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8410	0.1590	0.8410	0.6274	0.4764
basehock	0.9397	0.0603	0.9397	0.8793	0.2345
bio	0.9961	0.0039	0.9961	0.7354	0.1757
biodeg	0.8476	0.1524	0.8476	0.6640	0.5381
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9842	0.0008	0.9780	0.4279	0.1845
block10%	0.9912	0.0000	1.0000	0.9789	0.0003
block10%	0.9912	0.0000	1.0000	0.9789	0.0003
breast-cancer	0.7857	0.2143	0.7857	0.4324	0.7241
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.9000	0.0286	0.9000	0.8485	0.0526
bub10at310k-hg16-17	0.9116	0.0883	0.9116	0.0737	0.2935
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5358	0.6201
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9310	0.0345	0.9310	0.8541	0.2333
card	0.8986	0.1014	0.8986	0.7947	0.4326
cardiotocography	0.8263	0.0347	0.8263	0.7906	0.2043
cardiotocography-nsp	0.9014	0.0657	0.9014	0.7204	0.3658
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.4989	0.5604
cas_N6512_cdk_ECFP2	0.5975	0.4025	0.5975	0.1445	0.7368
cdc_diabetes	0.8410	0.1025	0.8566	0.1534	0.2884
census10%	0.9495	0.0505	0.9495	0.3631	0.4112
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9826	0.0002	1.0000	0.8832	0.0700
ci100410h_MACCS	0.7812	0.2188	0.7812	0.1385	0.7009
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6923	0.5642
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5985	0.6406
ci900367j_MACCS	0.6632	0.3368	0.6632	0.2071	0.8313
cirrhosis	0.7857	0.1429	0.7857	0.5645	0.3521
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7944	0.1028	0.7944	0.6676	0.3079
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.4353
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5510	0.2993	0.5510	0.2895	0.6795
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0655
codon_usage	0.7414	0.0470	0.7414	0.6817	0.3224
coil20	0.8958	0.0104	0.8958	0.8904	0.0540
collins	0.4800	0.0693	0.4800	0.4196	0.2780
colon-tumor	0.5000	0.5000	0.5000	0.0000	0.9298
colposcopies-1	0.7241	0.2759	0.7241	0.3256	0.7761
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.5862	0.4138	0.5862	0.1256	0.9452
colposcopies-4	0.7586	0.2414	0.7586	0.4183	0.7672

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.8966	0.1034	0.8966	0.6692	0.2534
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7419	0.1720	0.7419	0.5797	0.3260
connect-4	0.9831	0.0112	0.9831	0.4167	0.0337
cottonmeloidogyne	0.6514	0.3486	0.6514	0.2992	0.7289
coupon	0.7114	0.2886	0.7114	0.4027	0.8065
covtype	0.9445	0.0111	0.9453	0.9275	0.1083
covtypeCD	0.9722	0.0278	0.9722	0.8783	0.2367
covtypeT	0.9764	0.0236	0.9764	0.8051	0.2834
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8894	0.0369	0.8894	0.7582	0.2379
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.2812	0.0359	0.2812	0.2647	0.1238
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7222	0.2778	0.7222	0.3873	0.6049
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.8247	0.1753	0.8247	0.3868	0.6415
deposit	0.8987	0.1013	0.8987	0.4410	0.6114
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.7500	0.1667	0.7500	0.5294	0.3121
dexter	0.8167	0.1833	0.8167	0.6333	0.4168
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.4937	0.5949
diabetes	0.8846	0.1154	0.8846	0.7468	0.4205
diabetic10%	0.5422	0.3052	0.5422	0.0212	0.4479
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4167	0.5833	0.4167	-0.2727	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5657	0.4343	0.5657	0.1038	0.8899
dropout	0.7291	0.1806	0.7291	0.5355	0.5037
drug-01	0.3830	0.1763	0.3830	0.0198	0.4999
drug-02	0.5213	0.1368	0.5213	0.1065	0.4890
drug-03	0.6755	0.0927	0.6755	-0.0077	0.4019
drug-04	0.5053	0.1413	0.5053	0.0784	0.6505
drug-05	0.7234	0.0790	0.7234	0.0033	0.3153
drug-06	0.4415	0.1596	0.4415	0.2896	0.5181
drug-07	0.3830	0.1763	0.3830	-0.0529	0.3983
drug-08	0.5479	0.1292	0.5479	0.0954	0.3785
drug-09	0.8617	0.0395	0.8617	-0.0076	0.1838
drug-10	0.5266	0.1353	0.5266	0.0883	0.5093
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0058	0.2715
drug-13	0.6330	0.1049	0.6330	0.2677	0.3429
drug-14	0.6223	0.1079	0.6223	0.3197	0.4498
drug-15	0.7606	0.0684	0.7606	0.0149	0.1831
drug-16	0.5798	0.1201	0.5798	0.2608	0.4290
drug-17	0.3404	0.1885	0.3404	0.0941	0.5709
drug-18	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19	0.7713	0.0654	0.7713	0.0308	0.2280
drybean	0.9214	0.0225	0.9214	0.9048	0.1254
ecoli	0.7647	0.0588	0.7647	0.6634	0.1500
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.3529	0.6260
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2825	0.0897	0.2825	0.2035	0.6772
eeg-eye	0.6215	0.3785	0.6215	0.1790	0.6851
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3644	0.7788
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4961	0.6945
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9016	0.0984	0.9016	0.5171	0.5772
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6285	0.6082
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8388	0.1996
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6183	0.6296
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6301	0.1479	0.6301	0.5232	0.3893
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9728	0.0216	0.9924	0.9740	0.1421
fbis-wc	0.8130	0.0220	0.8130	0.7875	0.1620
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5000	0.1250	0.5000	0.3443	0.2437
fontaine_MACCS	0.8636	0.1364	0.8636	0.7273	0.4205
fonts10%	0.4812	0.0065	0.4973	0.4447	0.2802
forest	0.9038	0.0481	0.9038	0.8669	0.1104
gas	0.9633	0.0122	0.9633	0.9555	0.0773
gastrointestinal	0.8125	0.1250	0.8125	0.6821	0.2568
gender	0.5726	0.2849	0.5726	-0.0132	0.5236
gene	0.9401	0.0400	0.9401	0.9044	0.1651
german	0.6800	0.3200	0.6800	0.2020	0.8228
gina	0.8588	0.1412	0.8588	0.7168	0.5173
glass	0.7619	0.0794	0.7619	0.6500	0.1604
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9048	0.0952	0.9048	0.6957	0.2404
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.3333	0.3333	0.3333	0.1124	0.5151
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.7585	0.0403	0.7585	0.7144	0.3181
har70	0.9343	0.0228	0.9425	0.9007	0.1195
harth10%	0.8682	0.0216	0.8848	0.8075	0.1559
hayes-roth	0.5625	0.2917	0.5625	0.3043	0.4143
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7845	0.1921	0.7919	0.6046	0.6096
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5395	0.4519	0.5580	0.0525	0.5824
higher	0.3571	0.1607	0.3571	0.2317	0.3172
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8769	0.1231	0.8769	0.4707	0.5474
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.6667	0.2222	0.6667	0.3915	0.5499
htru2	0.9799	0.0201	0.9799	0.8729	0.2054
ht-sensor	1.0000	0.0001	1.0000	1.0000	0.0015
hypothyroid	0.9894	0.0053	0.9894	0.9369	0.0826
hypothyroidT	0.9920	0.0080	0.9920	0.9431	0.1266
ilpd	0.7119	0.2881	0.7119	0.2302	0.8431
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5700	0.0331	0.5700	0.5528	0.3206
jm1	0.8053	0.1947	0.8053	0.0974	0.6229
jvowels	0.9116	0.0196	0.9116	0.8999	0.1331
kc1	0.8626	0.1374	0.8626	0.3196	0.5977
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7433	0.0285	0.7433	0.7129	0.2736
krvskp	0.9749	0.0251	0.9749	0.9498	0.1490
la1s-wc	0.8254	0.0582	0.8254	0.7774	0.2592
la2s-wc	0.8245	0.0585	0.8245	0.7780	0.2670
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4706	0.0265	0.4706	0.4482	0.1046
led24	0.7000	0.0600	0.7000	0.6610	0.1235
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8810	0.0092	0.8810	0.8762	0.1316
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.6957	0.3522
libra	0.5556	0.0593	0.5556	0.5240	0.1883
linkage10%	1.0000	0.0000	1.0000	0.9996	0.0001
liver	0.7647	0.2353	0.7647	0.4625	0.7536
localization	0.5652	0.0791	0.5652	0.4136	0.4258
lrs	0.6981	0.0604	0.6981	0.5939	0.2482
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.5758	0.2734
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5346	0.4654	0.5346	0.0692	0.7874
magic04	0.8380	0.1620	0.8380	0.6164	0.5190

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6449	0.6199
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7228	0.1848	0.7228	0.5778	0.5148
messidor	0.6522	0.3478	0.6522	0.3114	0.8540
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.7222	0.1389	0.7222	0.6053	0.2780
mfeat-fac	0.9100	0.0180	0.9100	0.9000	0.1048
mfeat-fou	0.6700	0.0660	0.6700	0.6333	0.3121
mfeat-kar	0.7900	0.0420	0.7900	0.7667	0.2276
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2002
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0601
mfeat-zer	0.6950	0.0610	0.6950	0.6611	0.2496
mice-prot	0.8519	0.0370	0.8519	0.8304	0.1509
mines	0.5588	0.1765	0.5588	0.4463	0.3909
mobile	0.5175	0.0172	0.5175	0.5087	0.2096
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.7049	0.2951	0.7049	0.1794	0.4490
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8833	0.1167	0.8833	0.3898	0.4201
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9844
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7445
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3779	0.8299
MUT_ci300400a	0.6416	0.3584	0.6416	0.1885	0.6591
MUT_ci300400a_cdk_ECFP2	0.5947	0.4053	0.5947	0.0370	0.5747
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9550	0.0450	0.9550	0.9100	0.2398
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.8985	0.0096	0.8999	0.7268	0.2040
newspop	0.5330	0.4670	0.5330	0.0042	0.6269
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9504	0.0496	0.9504	0.8759	0.2716
NPHA-doctor-visits	0.4722	0.3519	0.4722	-0.0451	0.5732
nursery	0.9861	0.0056	0.9861	0.9796	0.0290
obs	0.9537	0.0231	0.9537	0.9315	0.0938
occupancy	0.9927	0.0073	0.9927	0.9796	0.0907
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9729	0.0180
oh0-wc	0.9307	0.0139	0.9307	0.9209	0.0725
oh10-wc	0.7143	0.0571	0.7143	0.6757	0.2780
oh15-wc	0.8696	0.0261	0.8696	0.8521	0.1382
oh5-wc	0.8242	0.0352	0.8242	0.8016	0.1737
opn310k	0.9125	0.0875	0.9125	0.0743	0.2416
opnat310k-hg16-17	0.9119	0.0881	0.9119	0.0715	0.2647
optdigits	0.9235	0.0153	0.9235	0.9149	0.0949
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6750	0.0163	0.6750	0.6667	0.0600
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0750
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9368	0.0632	0.9368	0.2575	0.1626
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8912	0.0577

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8721	0.1279	0.8721	0.6744	0.5467
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5670	0.4330	0.5670	-0.0266	0.7135
pd	0.8553	0.1447	0.8553	0.5926	0.6007
pediatric-leukemia	0.7647	0.0672	0.7647	0.7059	0.1913
pendigits	0.9627	0.0075	0.9627	0.9585	0.0582
period	0.7778	0.2222	0.7778	0.4000	0.4011
period-10f	0.6667	0.3333	0.6667	0.0000	0.4644
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5978	0.6316
P-Glycoprotein_b_Substrate	0.7200	0.2800	0.7200	0.4400	0.7583
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7782	0.4492
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.6000	0.4000	0.6000	0.1304	0.9336
phishing	0.9429	0.0571	0.9429	0.8801	0.3013
phoneme	0.8185	0.1815	0.8185	0.5750	0.6627
phy	0.6652	0.3348	0.6652	0.3302	0.8629
pima	0.7237	0.2763	0.7237	0.3824	0.7533
plx	0.5000	0.5000	0.5000	-0.1739	0.9401
poker	0.7683	0.0429	0.7976	0.5917	0.1737
polish-1st	0.9630	0.0370	0.9630	0.0689	0.1081
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9571	0.0429	0.9571	0.4282	0.4237
polish-5th	0.9459	0.0541	0.9459	0.4422	0.4281
polya	0.6562	0.3438	0.6562	0.0563	0.5459
popularity	0.6295	0.2470	0.6295	0.0015	0.3671
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.8556	0.0578	0.8556	0.8189	0.1812
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8981
primary-tumor	0.4848	0.0468	0.4848	0.4234	0.2220
profb	0.7164	0.2836	0.7164	0.3002	0.8142
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9826	0.0032	0.9718	0.9731	0.0246
pufs-6410%	0.4892	0.4917	0.5052	0.0011	0.9828
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.8067	0.0297	0.8067	0.7424	0.1882
re1-wc	0.8133	0.0149	0.8133	0.7872	0.1426
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0126	0.6941
RT_IOT2022	0.9972	0.0005	0.9972	0.9929	0.0111
satimage	0.8818	0.0394	0.8818	0.8537	0.1826
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9254	0.0746	0.9254	0.4922	0.4877
scadi	0.5714	0.1224	0.5714	0.4615	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6484	0.3516	0.6484	0.3393	0.5373
segment	0.9567	0.0124	0.9567	0.9494	0.0530
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-2-gram	0.8605	0.1395	0.8605	0.0391	0.5724
sens-3-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-4-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sensorless	0.9590	0.0075	0.9590	0.9549	0.0447
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8889	0.1111	0.8889	0.5475	0.5998
shuttle	0.9997	0.0001	0.9997	0.9990	0.0006
sick	0.9735	0.0265	0.9735	0.7484	0.2081
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0005	0.9776	0.9817	0.0100
smk_can_187	0.5263	0.4737	0.5263	0.0552	0.9801
solar-flare	0.7410	0.0863	0.7410	0.6673	0.2076
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9412	0.0062	0.9412	0.9354	0.0282
spambase	0.9217	0.0783	0.9217	0.8341	0.3547
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8286	0.1714	0.8286	0.4878	0.3453
spectrometer	0.3962	0.0252	0.3962	0.3583	0.1878
splice-EI	0.9653	0.0347	0.9653	0.9099	0.2583
splice-IE	0.9369	0.0631	0.9369	0.8285	0.3853
sport-articles	0.7800	0.2200	0.7800	0.5333	0.7134
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8615	0.1385	0.8615	0.5282	0.5844
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8987	0.0675	0.8987	0.8353	0.2332
steel-k	0.9641	0.0359	0.9641	0.8868	0.2321
steel-o	0.7282	0.2718	0.7282	0.3554	0.7852
steel-p	0.9231	0.0769	0.9231	0.2567	0.4931
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9590	0.0410	0.9590	0.7426	0.3397
studentap	0.4615	0.3590	0.4615	0.1250	0.5973
student-weekend	0.4000	0.2400	0.4000	0.1250	0.5697
student-workday	0.7188	0.1125	0.7188	0.1014	0.2069
susy10%	0.7488	0.2392	0.7524	0.5307	0.7181
swarm_aligned	0.9979	0.0021	0.9979	0.9951	0.0142
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5995
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.9782	0.0040	0.9782	0.9759	0.0312
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9579	0.0421	0.9579	0.9043	0.2230
tis	0.8743	0.1257	0.8743	0.6440	0.5482
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1409
tox_171	0.7647	0.1176	0.7647	0.6852	0.2403
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7200	0.2800	0.7200	0.1147	0.8550
trec11-wc	0.9024	0.0217	0.9024	0.8809	0.0926
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6145	0.1172
trec23-wc	0.9524	0.0159	0.9524	0.9338	0.0454
trec31-wc	0.9677	0.0092	0.9677	0.9570	0.0518
trec41-wc	0.9545	0.0091	0.9545	0.9447	0.0698
trec45-wc	0.9565	0.0087	0.9565	0.9491	0.0283
tuandromd	0.9776	0.0224	0.9776	0.9304	0.1938
turkish	0.7000	0.1500	0.7000	0.6000	0.3012
tvnews	0.8371	0.1628	0.8371	0.6406	0.5959
urban	0.7164	0.0630	0.7164	0.6680	0.2305
vehicle	0.7619	0.1190	0.7619	0.6819	0.2269
vehicleVAN	0.9405	0.0595	0.9405	0.8529	0.3439
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9535	0.0465	0.9535	0.9071	0.2027
vowel	0.5253	0.0863	0.5253	0.4778	0.2654
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.7885	0.0212	0.7885	0.7633	0.1516
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0725
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0371
watch-acc10%	0.9746	0.0002	1.0000	1.0000	0.0023
watch-gyr10%	1.0000	0.0002	0.9908	0.9998	0.0022
waveform	0.7760	0.1493	0.7760	0.6644	0.4349
web-phishing	0.8519	0.0988	0.8519	0.7337	0.4096
weight-lift	0.6876	0.1249	0.6876	0.6095	0.2946
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0287
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6038	0.1321	0.6038	0.3383	0.3651
winequality-white	0.5092	0.1402	0.5092	0.1950	0.4000
winnipeg	0.9690	0.0063	0.9669	0.9667	0.0475
yale	0.6875	0.0417	0.6875	0.6639	0.0730
yeast	0.5946	0.0811	0.5946	0.4737	0.3409
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	-0.0109	0.5494
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.8226	0.0355	0.8226	0.8010	0.2120
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 112: Detailed results for LIUBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1629	0.0591	0.1572	0.0753	0.5035
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.8767	0.1233	0.8767	0.3476	0.5374
accelerometer	0.9819	0.0181	0.9819	0.1169	0.3398
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8630	0.1370	0.8630	0.5827	0.5635
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.7864	0.2136	0.7864	-0.0926	0.4952
AID_1878	0.7714	0.2286	0.7714	-0.0227	0.8163
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9988	0.0012	0.9988	0.2217	0.4869
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9930	0.0070	0.9930	-0.0034	0.4755
AID600_MACCS	0.6216	0.3784	0.6216	0.1804	0.9102
AID_602330	0.8802	0.1198	0.8802	-0.0575	0.5240
AID604	0.9979	0.0021	0.9979	0.5825	0.0104
AID604AID644_AllRed	0.8548	0.1452	0.8548	0.0049	0.0180
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.6263	0.2492	0.6263	0.1178	0.5162
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.1891	0.2321
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.7036	0.5340
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9569	0.0216	0.9569	0.9186	0.2112
anuran-f-b	0.9847	0.0153	0.9847	0.5158	0.5089
anuran-genus	0.9597	0.0101	0.9597	0.9339	0.1498
anuran-species	0.9639	0.0072	0.9639	0.9500	0.0925
aps-failure	0.9458	0.0542	0.9458	0.3725	0.4447
arcene	0.8500	0.1500	0.8500	0.6809	0.5520
arrhythmia	0.7556	0.0376	0.7556	0.6347	0.2674
auction	0.9853	0.0147	0.9853	0.9349	0.2023
audiology	0.7826	0.0181	0.7826	0.7484	0.0563
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8126	0.0312	0.8126	0.7472	0.2708
balance	0.8226	0.1183	0.8226	0.6897	0.4166
bank	0.8645	0.1355	0.8645	0.5283	0.5801
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8364	0.1636	0.8364	0.6178	0.5037
basehock	0.9598	0.0402	0.9598	0.9196	0.2061
bio	0.9789	0.0211	0.9789	0.4050	0.4852
biodeg	0.8381	0.1619	0.8381	0.6798	0.4923
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9817	0.0008	0.9772	0.4247	0.1818
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.9204	0.0796	0.9204	0.2979	0.4425
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9598	0.0201	0.9598	0.9164	0.1843
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8498	0.0300	0.8498	0.8204	0.1859
cardiotocography-nsp	0.9061	0.0626	0.9061	0.7428	0.3744
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.6199	0.4605
cas_N6512_cdk_ECFP2	0.6022	0.3978	0.6022	0.1541	0.7218
cdc_diabetes	0.7861	0.1426	0.7861	0.3428	0.4449
census10%	0.9485	0.0515	0.9485	0.3332	0.4005
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.8837	0.1163	0.8837	0.1060	0.6330
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9186	0.0814	0.9186	0.5432	0.6013
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9775	0.0002	1.0000	0.8941	0.0681
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8057	0.4241
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3929	0.8117
cirrhosis	0.6190	0.2540	0.6190	0.3501	0.6188
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7926	0.1037	0.7926	0.6899	0.4647
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8000	0.2000	0.8000	0.2754	0.6284
cmc	0.5646	0.2902	0.5646	0.3174	0.6787
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0522
codon_usage	0.8043	0.0356	0.8043	0.7613	0.3010
coil20	0.9722	0.0028	0.9722	0.9708	0.0198
collins	0.9800	0.0027	0.9800	0.9780	0.0100
colon-tumor	0.5000	0.5000	0.5000	0.0000	0.9298
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.6897	0.3103	0.6897	0.3040	0.8359
colposcopies-3	0.5862	0.4138	0.5862	0.1675	0.9281
colposcopies-4	0.6897	0.3103	0.6897	0.3040	0.8098

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.4402	0.7050
colposcopies-6	0.7931	0.2069	0.7931	0.5837	0.6596
colposcopies-c	0.7241	0.2759	0.7241	0.3136	0.7964
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9938	0.0041	0.9938	0.8497	0.1386
cottonmeloidogyne	0.6442	0.3558	0.6442	0.2921	0.7311
coupon	0.7390	0.2610	0.7390	0.4647	0.7705
covtype	0.9684	0.0114	0.9546	0.9246	0.1061
covtypeCD	0.9826	0.0174	0.9826	0.9264	0.1988
covtypeT	0.9764	0.0236	0.9764	0.8221	0.3624
cox2_cdk_ECFP2	0.8913	0.1087	0.8913	0.5627	0.2520
crowdsourced	0.8866	0.0378	0.8866	0.7760	0.3455
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2596	0.1285
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8250	0.1750	0.8250	0.3819	0.6320
deposit	0.8534	0.1466	0.8534	0.4886	0.6105
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.7167	0.2833	0.7167	0.4333	0.5975
dhfr_cdk_ECFP2	0.8421	0.1579	0.8421	0.6449	0.3595
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5305	0.3130	0.5305	0.0032	0.5150
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5833	0.4167	0.5833	0.1429	0.9438
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5762	0.4238	0.5762	0.1324	0.9176
dropout	0.7223	0.1851	0.7223	0.5431	0.5104
drug-01	0.3245	0.1930	0.3245	0.0276	0.8364
drug-02	0.4521	0.1565	0.4521	0.2109	0.7704
drug-03	0.6117	0.1109	0.6117	0.1239	0.7425
drug-04	0.3564	0.1839	0.3564	0.0893	0.8632
drug-05	0.6436	0.1018	0.6436	-0.0064	0.7470
drug-06	0.4202	0.1657	0.4202	0.2678	0.5515
drug-07	0.3617	0.1824	0.3617	-0.0247	0.6490
drug-08	0.4787	0.1489	0.4787	0.1595	0.6985
drug-09	0.6170	0.1094	0.6170	0.0736	0.5221
drug-10	0.4840	0.1474	0.4840	0.1872	0.7325
drug-11	0.6809	0.0912	0.6809	0.1754	0.6835
drug-12	0.6223	0.1079	0.6223	0.1300	0.7150
drug-13	0.5426	0.1307	0.5426	0.2669	0.7185
drug-14	0.5372	0.1322	0.5372	0.3089	0.7121
drug-15	0.6223	0.1079	0.6223	0.2024	0.8278
drug-16	0.5745	0.1216	0.5745	0.3371	0.6128
drug-17	0.3723	0.1793	0.3723	0.1530	0.5719
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6117	0.1109	0.6117	0.0951	0.6201
drybean	0.9346	0.0187	0.9346	0.9208	0.1076
ecoli	0.8235	0.0441	0.8235	0.7554	0.1477
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3455	0.0818	0.3455	0.2719	0.5760
eeg-eye	0.6001	0.3999	0.6001	0.1224	0.5890
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2283	0.8305
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.4055	0.5803
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6369	0.6155
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8808	0.2805
er_tox_rdkit_MACCS	0.9194	0.0806	0.9194	0.5110	0.5170
er_tox_rdkit_MORGAN	0.8548	0.1452	0.8548	0.3497	0.4422
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7557	0.4431
er_tox_rdkit_TORSION	0.9032	0.0968	0.9032	0.3564	0.5599
eucalyptus	0.6712	0.1315	0.6712	0.5762	0.3548
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9929	0.0216	0.9857	0.9523	0.1420
fbis-wc	0.8252	0.0206	0.8252	0.8023	0.1579
fda.atompair_fp	0.6818	0.3182	0.6818	0.1538	0.8802
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.4904	0.2284
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4957	0.0068	0.4894	0.4590	0.2740
forest	0.8462	0.0769	0.8462	0.7873	0.2026
gas	0.9835	0.0055	0.9835	0.9799	0.0405
gastrointestinal	0.6875	0.2083	0.6875	0.5480	0.3315
gender	0.5937	0.2709	0.5937	0.0218	0.3499
gene	0.9338	0.0442	0.9338	0.8943	0.1946
german	0.6800	0.3200	0.6800	0.2020	0.8228
gina	0.8386	0.1614	0.8386	0.6758	0.5329
glass	0.7619	0.0794	0.7619	0.6749	0.2402
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5385	0.6309
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8772	0.3145
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2814	0.5226
haberman	0.7000	0.3000	0.7000	0.1290	0.8673
hapt	0.9048	0.0159	0.9048	0.8876	0.1318
har70	0.9133	0.0235	0.9147	0.8780	0.1156
harth10%	0.8322	0.0280	0.8322	0.7723	0.2727
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.8235	0.1765	0.8235	0.6434	0.6112
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7895	0.1948	0.7876	0.5953	0.5982
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5421	0.4545	0.5607	0.0516	0.5862
higher	0.3571	0.1607	0.3571	0.2410	0.2985
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9157	0.0843	0.9157	0.7017	0.5077
hiva	0.9622	0.0378	0.9622	0.1856	0.5048
horse	0.6667	0.2222	0.6667	0.4041	0.5396
htru2	0.9721	0.0279	0.9721	0.8392	0.3642
ht-sensor	0.6790	0.2140	0.6790	0.5279	0.3540
hypothyroid	0.9814	0.0093	0.9814	0.8951	0.1941
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6949	0.3051	0.6949	0.2563	0.8528
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8498	0.0116	0.8498	0.8438	0.1289
jm1	0.8072	0.1928	0.8072	0.0670	0.5440
fvowels	0.9518	0.0107	0.9518	0.9454	0.0812
kc1	0.8199	0.1801	0.8199	0.3339	0.7378
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1923	0.2354
kc1-class-level-top5percentDF	0.7333	0.2667	0.7333	-0.1111	0.4921
kc2	0.6923	0.3077	0.6923	0.1351	0.8382
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.8578	0.0158	0.8578	0.8416	0.2068
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7294	0.0888	0.7260	0.6775	0.3724
la2s-wc	0.7587	0.0813	0.7630	0.6982	0.3341
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5882	0.0206	0.5882	0.5696	0.0653
led24	0.7000	0.0600	0.7000	0.6629	0.1206
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9340	0.0051	0.9340	0.9313	0.0763
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8209	0.0658
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0000
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.5934	0.0739	0.5934	0.4719	0.4807
lrs	0.7925	0.0415	0.7925	0.7118	0.1397
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.8095	0.0762	0.8095	0.5962	0.2647
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.0486
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5269	0.4731	0.5269	0.0538	0.9755
magic04	0.8069	0.1931	0.8069	0.5302	0.5448

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7303	0.3839
messidor	0.5913	0.4087	0.5913	0.2138	0.8582
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0443
mfeat-fou	0.7800	0.0440	0.7800	0.7556	0.1775
mfeat-kar	0.9100	0.0180	0.9100	0.9000	0.1061
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2165
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0761
mfeat-zer	0.7600	0.0480	0.7600	0.7333	0.1759
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4463	0.4171
mobile	0.8601	0.0050	0.8601	0.8576	0.0613
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9379	0.0621	0.9379	0.7706	0.4511
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.5260
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.8088	0.1912	0.8088	0.6176	0.6013
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4090	0.8123
MUT_ci300400a	0.6278	0.3722	0.6278	0.1512	0.6438
MUT_ci300400a_cdk_ECFP2	0.6199	0.3801	0.6199	0.1139	0.6615
myocardial	0.8353	0.0412	0.8353	0.4061	0.5571
naticusdroid	0.9560	0.0440	0.9560	0.9120	0.2353
nci9	0.3333	0.1481	0.3333	0.2258	0.1511
ncRNA10%	0.7008	0.0315	0.7008	0.4736	0.8443
newspop	0.5330	0.4670	0.5330	0.0022	0.5525
new-thyroid	0.9048	0.0635	0.9048	0.7879	0.2547
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9417	0.0583	0.9417	0.8615	0.3438
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0436	0.7767
nursery	0.9992	0.0003	0.9992	0.9989	0.0026
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9744	0.1112
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0431
oh0-wc	0.8614	0.0277	0.8614	0.8407	0.1270
oh10-wc	0.7619	0.0476	0.7619	0.7297	0.2211
oh15-wc	0.8587	0.0283	0.8587	0.8390	0.1221
oh5-wc	0.7143	0.0571	0.7143	0.6804	0.2271
opn310k	0.9242	0.0758	0.9242	0.4377	0.5403
opnat310k-hg16-17	0.9265	0.0735	0.9265	0.4398	0.5099
optdigits	0.9591	0.0082	0.9591	0.9545	0.0573
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6000	0.0200	0.6000	0.5897	0.0721
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.8933	0.1067	0.8933	0.3347	0.4580
ozone8hr	0.8775	0.1225	0.8775	0.3289	0.6352
p53-mutants10%	0.9745	0.0255	0.9745	-0.0056	0.1835
page-blocks	0.9452	0.0219	0.9452	0.7532	0.4615

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7895	0.2105	0.7895	0.5682	0.5164
particle	0.8932	0.1068	0.8932	0.7273	0.4822
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.8829	0.1171	0.8829	0.4235	0.5884
pcmac	0.5722	0.4278	0.5722	0.0192	0.8609
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.7647	0.0672	0.7647	0.7119	0.2061
pendigits	0.9818	0.0036	0.9818	0.9798	0.0314
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8093	0.1907	0.8093	0.5539	0.6523
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.8135
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7310	0.5083
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.8500	0.1500	0.8500	0.6809	0.5520
phishing	0.9755	0.0245	0.9755	0.9488	0.1642
phoneme	0.8167	0.1833	0.8167	0.5778	0.6574
phy	0.6370	0.3630	0.6370	0.2760	0.7802
pima	0.6447	0.3553	0.6447	0.1857	0.8486
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7823	0.0429	0.7661	0.5994	0.1801
polish-1st	0.8805	0.1195	0.8805	0.3014	0.4610
polish-2nd	0.7453	0.2547	0.7453	0.0944	0.3295
polish-3rd	0.7962	0.2038	0.7962	0.0877	0.4335
polish-4th	0.8816	0.1184	0.8816	0.3104	0.5538
polish-5th	0.8629	0.1371	0.8629	0.3358	0.5849
polya	0.6454	0.3546	0.6454	0.0233	0.5891
popularity	0.6230	0.2514	0.6230	-0.0007	0.4897
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9595	0.0162	0.9595	0.9494	0.0786
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8439
primary-tumor	0.5152	0.0441	0.5152	0.4677	0.2039
profb	0.7164	0.2836	0.7164	0.3002	0.8142
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9719	0.0112	0.9719	0.9624	0.0763
pufs-6410%	0.5014	0.4986	0.5014	0.0029	0.9824
raisin	0.8444	0.1556	0.8444	0.6889	0.5627
re0-wc	0.7333	0.0410	0.7333	0.6532	0.3138
re1-wc	0.8313	0.0135	0.8313	0.8094	0.1863
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.5922	0.4078	0.5922	0.0039	0.5714
RT_IOT2022	0.9943	0.0009	0.9943	0.9858	0.0861
satimage	0.8818	0.0394	0.8818	0.8545	0.1886
satimageF	0.9829	0.0171	0.9829	0.9155	0.2628
satimageT	0.8942	0.1058	0.8942	0.0579	0.5133
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.8013	0.1987	0.8013	0.0757	0.5399
secondary_mushroom	0.6421	0.3579	0.6421	0.3286	0.5194
segment	0.9610	0.0111	0.9610	0.9544	0.0475
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8992	0.1008	0.8992	0.2620	0.6546
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8605	0.1395	0.8605	0.0391	0.5724
sens-2-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8745	0.1396	0.8790	0.1294	0.6364
sensorless	0.9950	0.0009	0.9950	0.9945	0.0106
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8678	0.1322	0.8678	0.5698	0.6208
shuttle	0.9979	0.0006	0.9979	0.9942	0.1749
sick	0.9788	0.0212	0.9788	0.8348	0.3585
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9912	0.0088	0.9912	0.9737	0.1158
smk_can_187	0.5789	0.4211	0.5789	0.1556	0.9466
solar-flare	0.7410	0.0863	0.7410	0.6728	0.2415
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9239	0.0761	0.9239	0.8377	0.3264
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5094	0.0204	0.5094	0.4831	0.1260
splice-EI	0.9779	0.0221	0.9779	0.9417	0.1787
splice-IE	0.9401	0.0599	0.9401	0.8333	0.3600
sport-articles	0.8000	0.2000	0.8000	0.5710	0.6803
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.7744	0.2256	0.7744	0.0234	0.6971
steel-d	0.9538	0.0462	0.9538	0.5055	0.5484
steel_industry	0.8881	0.0746	0.8881	0.8187	0.2538
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7128	0.2872	0.7128	0.2559	0.6890
steel-p	0.9385	0.0615	0.9385	0.4711	0.4407
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9692	0.0308	0.9692	0.8467	0.3920
studentap	0.5385	0.3077	0.5385	0.2909	0.5535
student-weekend	0.4462	0.2215	0.4462	0.2545	0.6368
student-workday	0.6562	0.1375	0.6562	0.1708	0.5708
susy10%	0.7511	0.2489	0.7511	0.4831	0.6454
swarm_aligned	1.0000	0.0000	0.9844	0.9880	0.0000
swarm_flocking	0.9749	0.0004	0.9783	0.9785	0.0046
swarm_grouped	0.9818	0.0000	1.0000	0.9872	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.8056	0.1944	0.8056	0.5039	0.6853
texture	0.9764	0.0043	0.9764	0.9739	0.0345
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.2389	0.7461
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.7846	0.2154	0.7846	0.2149	0.5367
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4667	0.1033
tox_171	0.7059	0.1471	0.7059	0.6136	0.1828
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	0.0497	0.8879
trec11-wc	0.8537	0.0325	0.8537	0.8210	0.1184
trec12-wc	0.8065	0.0484	0.8065	0.7675	0.1185

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.7273	0.2575
trec23-wc	0.9524	0.0159	0.9524	0.9352	0.0757
trec31-wc	0.9462	0.0154	0.9462	0.9289	0.0776
trec41-wc	0.9318	0.0136	0.9318	0.9169	0.0722
trec45-wc	0.8841	0.0232	0.8841	0.8654	0.1070
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8250	0.0875	0.8250	0.7667	0.2672
tvnews	0.8110	0.1890	0.8110	0.5566	0.5506
urban	0.8657	0.0299	0.8657	0.8426	0.1186
vehicle	0.8333	0.0833	0.8333	0.7730	0.1763
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6263	0.0680	0.6263	0.5889	0.1872
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9090	0.0910	0.9090	0.0015	0.2277
wap-wc	0.8269	0.0173	0.8269	0.8059	0.1139
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0438
watch-acc10%	0.9279	0.0206	0.9279	0.9156	0.0417
watch-gyr10%	0.9170	0.0237	0.9170	0.9031	0.0429
waveform	0.7500	0.1667	0.7500	0.6250	0.4816
web-phishing	0.8815	0.0790	0.8815	0.7910	0.3533
weight-lift	0.9977	0.0009	0.9977	0.9971	0.0081
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0255
wilt	0.9793	0.0207	0.9793	0.7891	0.4013
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.6038	0.1321	0.6038	0.3839	0.5505
winequality-white	0.4663	0.1525	0.4663	0.1299	0.4705
winnipeg	0.9676	0.0063	0.9846	0.9605	0.0477
yale	0.6875	0.0417	0.6875	0.6639	0.0681
yeast	0.5270	0.0946	0.5270	0.4088	0.4314
yeastCYT-POX	0.9184	0.0816	0.9184	0.4674	0.5000
yeastEXC	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9392	0.0608	0.9392	-0.0215	0.6129
zip	0.9183	0.0163	0.9183	0.9084	0.1236
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 113: Detailed results for LIUBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1644	0.0567	0.1582	0.0741	0.5202
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9816	0.0184	0.9816	0.0883	0.3433
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8389	0.1611	0.8389	0.4271	0.4028
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7714	0.2286	0.7714	0.0300	0.8195
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6216	0.3784	0.6216	0.1981	0.9151
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9949	0.0051	0.9949	0.4470	0.5372
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.2496	0.3797
AID644Morered	0.6000	0.4000	0.6000	-0.0526	0.9519
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red	0.9893	0.0107	0.9893	-0.0025	0.4301
AID721morered	0.4444	0.5556	0.4444	-0.3636	0.8576
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9938	0.0062	0.9938	0.1378	0.3423
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.7036	0.5340
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9708	0.0146	0.9708	0.9440	0.0661
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9624	0.0094	0.9624	0.9374	0.0812
anuran-species	0.9681	0.0064	0.9681	0.9555	0.0669
aps-failure	0.9896	0.0104	0.9896	0.6376	0.2749
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7111	0.0444	0.7111	0.5309	0.2590
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.7391	0.0217	0.7391	0.7000	0.0533
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.8050	0.0325	0.8050	0.7338	0.1097
balance	0.8871	0.0753	0.8871	0.7933	0.3420
bank	0.8978	0.1022	0.8978	0.5794	0.5987
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8341	0.1659	0.8341	0.6118	0.5069
basehock	0.9598	0.0402	0.9598	0.9196	0.2061
bio	0.9962	0.0038	0.9962	0.7621	0.2572
biodeg	0.8857	0.1143	0.8857	0.7667	0.4538
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0008	1.0000	0.4276	0.1806
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.7500	0.2500	0.7500	0.4096	0.7758
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9115	0.0885	0.9115	0.0732	0.3024
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9515	0.0756
card	0.9275	0.0725	0.9275	0.8506	0.3457
cardiotocography	0.8357	0.0329	0.8357	0.8018	0.1840
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8167	0.2681
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6807	0.3333
cas_N6512_cdk_ECFP2	0.5960	0.4040	0.5960	0.1419	0.7495
cdc_diabetes	0.8436	0.1043	0.8436	0.2920	0.3685
census10%	0.9388	0.0612	0.9388	0.4605	0.5996
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	1.0000	0.0002	0.9979	0.8752	0.0693
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6574	0.5971
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.8035	0.4273
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6857	0.5682
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3794	0.8107
cirrhosis	0.6905	0.2063	0.6905	0.3592	0.4339
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8185	0.0907	0.8185	0.7120	0.3300
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5510	0.2993	0.5510	0.2951	0.6852
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0745
codon_usage	0.7652	0.0427	0.7652	0.7116	0.2517
coil20	0.9167	0.0083	0.9167	0.9123	0.0543
collins	0.7800	0.0293	0.7800	0.7570	0.0899
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.7241	0.2759	0.7241	0.3095	0.8231

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9933	0.0044	0.9933	0.8577	0.2547
cottonmeloidogyne	0.6298	0.3702	0.6298	0.2638	0.7146
coupon	0.7382	0.2618	0.7382	0.4611	0.7704
covtype	0.9615	0.0113	0.9620	0.9356	0.1078
covtypeCD	0.9851	0.0149	0.9851	0.9376	0.1924
covtypeT	0.9797	0.0203	0.9797	0.8473	0.3313
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.2129	0.7253
crowdsourced	0.8949	0.0350	0.8949	0.7701	0.1842
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2610	0.1133
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.6923	0.3077	0.6923	-0.1304	0.5140
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8253	0.1747	0.8253	0.3802	0.6266
deposit	0.8854	0.1146	0.8854	0.5216	0.6321
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.7167	0.2833	0.7167	0.4333	0.5975
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5857	0.4914
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5422	0.3052	0.5422	0.0199	0.4261
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6667	0.3333	0.6667	0.2941	0.8617
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5758	0.4242	0.5758	0.1358	0.9334
dropout	0.7246	0.1836	0.7246	0.5180	0.4693
drug-01	0.3777	0.1778	0.3777	0.0035	0.4532
drug-02	0.5213	0.1368	0.5213	0.0747	0.4143
drug-03	0.6755	0.0927	0.6755	-0.0118	0.3195
drug-04	0.5053	0.1413	0.5053	0.0307	0.5718
drug-05	0.7181	0.0805	0.7181	-0.0089	0.3249
drug-06	0.3989	0.1717	0.3989	0.2414	0.5682
drug-07	0.3883	0.1748	0.3883	-0.0579	0.3930
drug-08	0.5372	0.1322	0.5372	0.0753	0.5489
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5532	0.1277	0.5532	0.1655	0.5278
drug-11	0.8564	0.0410	0.8564	0.1353	0.1968
drug-12	0.7766	0.0638	0.7766	-0.0203	0.3219
drug-13	0.6277	0.1064	0.6277	0.3057	0.3229
drug-14	0.6064	0.1125	0.6064	0.3215	0.5226
drug-15	0.7447	0.0729	0.7447	0.0653	0.5340
drug-16	0.5798	0.1201	0.5798	0.3055	0.4091
drug-17	0.3032	0.1991	0.3032	0.0869	0.6334
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7713	0.0654	0.7713	0.0152	0.1593
drybean	0.9302	0.0199	0.9302	0.9155	0.1126
ecoli	0.7941	0.0515	0.7941	0.7062	0.1500
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2192	0.0976	0.2192	0.1558	0.5600
eeg-eye	0.5995	0.4005	0.5995	0.1208	0.5892
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2283	0.8305
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6667	0.5796
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6449	0.6117
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8703	0.1081
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.3564	0.5599
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.7997	0.4035
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	0.2439	0.6242
eucalyptus	0.6712	0.1315	0.6712	0.5742	0.3423
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9919	0.0215	0.9774	0.9767	0.1384
fbis-wc	0.7886	0.0249	0.7886	0.7596	0.1697
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.4872	0.2009
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4979	0.0066	0.4815	0.4430	0.2771
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9892	0.0036	0.9892	0.9869	0.0272
gastrointestinal	0.6875	0.2083	0.6875	0.5480	0.3315
gender	0.5916	0.2723	0.5916	0.0141	0.3517
gene	0.9401	0.0400	0.9401	0.9041	0.1745
german	0.6700	0.3300	0.6700	0.1582	0.8151
gina	0.8617	0.1383	0.8617	0.7222	0.4757
glass	0.7619	0.0794	0.7619	0.6719	0.2504
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6400	0.3261
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4479	0.4083
haberman	0.7000	0.3000	0.7000	0.1290	0.8673
hapt	0.8994	0.0168	0.8994	0.8809	0.1025
har70	0.9048	0.0224	0.9392	0.8919	0.1200
harth10%	0.8697	0.0215	0.8614	0.8374	0.1578
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8053	0.1977	0.7857	0.5949	0.5892
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5626	0.4546	0.5573	0.0522	0.5949
higher	0.2143	0.1964	0.2143	0.0667	0.3970
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9022	0.0978	0.9022	0.6244	0.5223
hiva	0.9622	0.0378	0.9622	0.1856	0.5048
horse	0.6389	0.2407	0.6389	0.3427	0.5663
htru2	0.9777	0.0223	0.9777	0.8657	0.2912
ht-sensor	0.9918	0.0001	0.9772	0.9989	0.0016
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1986	0.7697
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6804	0.0246	0.6804	0.6676	0.2419
jm1	0.8090	0.1910	0.8090	0.0759	0.5300
fvowels	0.8474	0.0339	0.8474	0.8263	0.1490
kc1	0.8626	0.1374	0.8626	0.3608	0.6349
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.0577	0.1756
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7115	0.2885	0.7115	0.1631	0.8352
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8774	0.0136	0.8774	0.8630	0.1492
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7223	0.0869	0.7521	0.6607	0.3636
la2s-wc	0.7589	0.0784	0.7655	0.6853	0.3228
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5882	0.0206	0.5882	0.5719	0.0714
led24	0.6000	0.0800	0.6000	0.5531	0.1860
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9080	0.0071	0.9080	0.9043	0.0981
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6389	0.0481	0.6389	0.6123	0.1552
linkage10%	0.9760	0.0000	0.9961	0.9953	0.0001
liver	0.6471	0.3529	0.6471	0.1937	0.8945
localization	0.5177	0.0877	0.5177	0.3257	0.3722
lrs	0.6604	0.0679	0.6604	0.5525	0.2218
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4962	0.5038	0.4962	-0.0077	1.0000
magic04	0.7849	0.2152	0.7849	0.4626	0.5333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6245	0.6395
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7443	0.3645
messidor	0.6087	0.3913	0.6087	0.2505	0.8228
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0883
mfeat-fou	0.7300	0.0540	0.7300	0.7000	0.2233
mfeat-kar	0.8350	0.0330	0.8350	0.8167	0.1794
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1895
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0505
mfeat-zer	0.6900	0.0620	0.6900	0.6556	0.2236
mice-prot	0.9815	0.0046	0.9815	0.9788	0.0237
mines	0.4412	0.2235	0.4412	0.2986	0.5685
mobile	0.6573	0.0122	0.6573	0.6511	0.1446
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8985	0.1015	0.8985	0.4690	0.2346
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.6809
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4090	0.8123
MUT_ci300400a	0.6341	0.3659	0.6341	0.1666	0.6323
MUT_ci300400a_cdk_ECFP2	0.6331	0.3669	0.6331	0.1498	0.6615
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9570	0.0430	0.9570	0.9141	0.2312
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9148	0.0095	0.9291	0.7164	0.2066
newspop	0.5333	0.4667	0.5333	0.0028	0.5525
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9449	0.0551	0.9449	0.8667	0.3296
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0358	0.7987
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9744	0.1112
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.9208	0.0158	0.9208	0.9093	0.0806
oh10-wc	0.7524	0.0495	0.7524	0.7193	0.2454
oh15-wc	0.8261	0.0348	0.8261	0.8019	0.1559
oh5-wc	0.7473	0.0505	0.7473	0.7162	0.2183
opn310k	0.9180	0.0820	0.9180	0.2003	0.3229
opnat310k-hg16-17	0.9204	0.0796	0.9204	0.2708	0.3916
optdigits	0.9413	0.0117	0.9413	0.9347	0.0770
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.5750	0.0213	0.5750	0.5641	0.0901
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9130	0.0870	0.9130	0.2678	0.6501
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9744	0.0102	0.9744	0.8633	0.2333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.8972	0.1028	0.8972	0.7418	0.4810
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.2387	0.6639
pcmac	0.5670	0.4330	0.5670	0.0132	0.8847
pd	0.9079	0.0921	0.9079	0.7407	0.4303
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9827	0.0035	0.9827	0.9808	0.0295
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8196	0.1804	0.8196	0.5875	0.6449
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8906
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7154	0.5228
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.8019	0.1981	0.8019	0.5646	0.6467
phy	0.6374	0.3626	0.6374	0.2767	0.7859
pima	0.6842	0.3158	0.6842	0.2716	0.7650
plx	0.5556	0.4444	0.5556	0.0137	0.9013
poker	0.7962	0.0429	0.7950	0.5913	0.1720
polish-1st	0.9644	0.0356	0.9644	0.3100	0.4394
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9495	0.0505	0.9495	0.0279	0.4040
polish-4th	0.9480	0.0520	0.9480	0.4129	0.5723
polish-5th	0.9442	0.0558	0.9442	0.5417	0.5480
polya	0.6486	0.3514	0.6486	0.0331	0.5756
popularity	0.6315	0.2456	0.6315	0.0031	0.3302
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9407	0.0237	0.9407	0.9258	0.1082
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.8938
primary-tumor	0.4545	0.0496	0.4545	0.3920	0.2106
profb	0.6866	0.3134	0.6866	0.2064	0.8487
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9090	0.0364	0.9090	0.8777	0.1235
pufs-6410%	0.5001	0.4999	0.5001	0.0003	0.9844
raisin	0.8556	0.1444	0.8556	0.7111	0.5296
re0-wc	0.7667	0.0359	0.7667	0.6832	0.2586
re1-wc	0.8253	0.0140	0.8253	0.8013	0.1667
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0052	0.5878
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0044
satimage	0.8802	0.0399	0.8802	0.8518	0.1765
satimageF	0.9860	0.0140	0.9860	0.9301	0.2271
satimageT	0.9176	0.0824	0.9176	0.5614	0.5931
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6425	0.3575	0.6425	0.3295	0.5193
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9109	0.0891	0.9109	0.0395	0.6752
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8737	0.1263	0.8737	0.1412	0.4751
sens-3-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-4-gram	0.8416	0.1398	0.8695	0.1300	0.6507
sensorless	0.9831	0.0031	0.9831	0.9814	0.0238
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8743	0.1257	0.8743	0.5754	0.6219
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9841	0.0159	0.9841	0.8665	0.2333
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9920	0.0080	0.9920	0.9761	0.1078
smk_can_187	0.7368	0.2632	0.7368	0.4633	0.6993
solar-flare	0.7698	0.0767	0.7698	0.7053	0.2213
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9265	0.0077	0.9265	0.9192	0.0408
spambase	0.9261	0.0739	0.9261	0.8434	0.3390
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.4528	0.0228	0.4528	0.4209	0.1424
splice-EI	0.9748	0.0252	0.9748	0.9331	0.1912
splice-IE	0.9558	0.0442	0.9558	0.8810	0.3118
sport-articles	0.8200	0.1800	0.8200	0.6139	0.6416
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.8513	0.1487	0.8513	0.5130	0.6362
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8896	0.0736	0.8896	0.8214	0.2561
steel-k	0.9897	0.0103	0.9897	0.9685	0.1057
steel-o	0.7282	0.2718	0.7282	0.2872	0.5951
steel-p	0.9436	0.0564	0.9436	0.5634	0.4735
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.5385	0.3077	0.5385	0.3158	0.5606
student-weekend	0.3692	0.2523	0.3692	0.1316	0.6266
student-workday	0.7344	0.1062	0.7344	0.2589	0.3234
susy10%	0.7483	0.2517	0.7483	0.4768	0.6452
swarm_aligned	1.0000	0.0000	0.9950	0.9986	0.0000
swarm_flocking	0.9872	0.0004	1.0000	0.9965	0.0046
swarm_grouped	0.9818	0.0000	0.9809	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.8056	0.1944	0.8056	0.5039	0.6853
texture	0.9709	0.0053	0.9709	0.9679	0.0418
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8542	0.1458	0.8542	0.5322	0.4613
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6895	0.1769
toxicity	0.4706	0.5294	0.4706	-0.2047	1.0000
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0881	0.8806
trec11-wc	0.9024	0.0217	0.9024	0.8806	0.0762
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8648	0.0471
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9573	0.0337
trec41-wc	0.9545	0.0091	0.9545	0.9444	0.0478
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0316
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8750	0.0625	0.8750	0.8333	0.1631
tvnews	0.8486	0.1514	0.8486	0.6590	0.5390
urban	0.8209	0.0398	0.8209	0.7902	0.1615
vehicle	0.7857	0.1071	0.7857	0.7149	0.1844
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6364	0.0661	0.6364	0.6000	0.1893
vowelZ	0.9596	0.0404	0.9596	0.7556	0.4243
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.7564	0.0244	0.7564	0.7256	0.1245
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0925
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0371
watch-acc10%	0.9523	0.0136	0.9523	0.9442	0.0443
watch-gyr10%	0.9392	0.0174	0.9392	0.9290	0.0623
waveform	0.7680	0.1547	0.7680	0.6521	0.4323
web-phishing	0.8741	0.0840	0.8741	0.7776	0.3645
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0033
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9752	0.0248	0.9752	0.7648	0.4580
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6164	0.1279	0.6164	0.3698	0.3701
winequality-white	0.5133	0.1391	0.5133	0.1694	0.3895
winnipeg	1.0000	0.0061	0.9969	0.9788	0.0477
yale	0.4375	0.0750	0.4375	0.4000	0.1359
yeast	0.5608	0.0878	0.5608	0.4342	0.3619
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9392	0.0608	0.9392	-0.0215	0.6129
zip	0.8183	0.0363	0.8183	0.7957	0.1821
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 114: Detailed results for DT

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1655	0.0576	0.1655	0.0844	0.5880
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9728	0.0272	0.9728	0.1880	0.5825
ads	0.9665	0.0335	0.9665	0.8570	0.2794
adult	0.8266	0.1734	0.8266	0.5120	0.6841
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.7500	0.2500	0.7500	0.0357	0.7748
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.8641	0.1359	0.8641	-0.0729	0.6742
AID1608red	0.8738	0.1262	0.8738	-0.0669	0.6366
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6486	0.3514	0.6486	0.1943	0.7939
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9985	0.0015	0.9985	0.7735	0.2608
AID604AID644_AllRed	0.9983	0.0017	0.9983	0.1658	0.5310
AID644Morered	0.6500	0.3500	0.6500	0.0278	0.9068
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9949	0.0051	0.9949	-0.0025	0.5413
AID688red	0.9868	0.0132	0.9868	-0.0057	0.5585
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9985	0.0015	0.9985	-0.0007	0.5338
AID746red	0.9901	0.0099	0.9901	0.2084	0.5474
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8462	0.1538	0.8462	0.5860	0.6412
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9374	0.0313	0.9374	0.8796	0.1870
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9374	0.0156	0.9374	0.8970	0.2302
anuran-species	0.9542	0.0092	0.9542	0.9361	0.0873
aps-failure	0.9884	0.0116	0.9884	0.6706	0.4459
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6444	0.0547	0.6444	0.4954	0.3501
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8033	0.1274
avila	0.9741	0.0043	0.9741	0.9664	0.0747
balance	0.7903	0.1398	0.7903	0.6084	0.4036
bank	0.8874	0.1126	0.8874	0.4224	0.6596
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7765	0.2235	0.7765	0.5140	0.7242
basehock	0.9749	0.0251	0.9749	0.9497	0.1579
bio	0.9951	0.0049	0.9951	0.7206	0.4070
biodeg	0.8095	0.1905	0.8095	0.6075	0.6461
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9831	0.0012	0.9831	0.3687	0.6189
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9103	0.0897	0.9103	0.0295	0.2327
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9483	0.0259	0.9483	0.8923	0.1968
card	0.8406	0.1594	0.8406	0.6713	0.5861
cardiotocography	0.7981	0.0404	0.7981	0.7578	0.2412
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7935	0.3199
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5969	0.4522
cas_N6512_cdk_ECFP2	0.5576	0.4424	0.5576	0.0450	0.5967
cdc_diabetes	0.8154	0.1231	0.8154	0.2124	0.5901
census10%	0.9365	0.0635	0.9365	0.3804	0.6066
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.8372	0.1628	0.8372	0.6378	0.5740
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8369	0.2627
ci100410h_MACCS	0.7500	0.2500	0.7500	-0.0579	0.7500
ci200186.atompair_fp	0.7273	0.2727	0.7273	0.4625	0.7108
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5985	0.6406
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2712	0.5729
cirrhosis	0.6905	0.2063	0.6905	0.4228	0.4443
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7417	0.1292	0.7417	0.6078	0.5282
climate	0.9074	0.0926	0.9074	0.3946	0.6420
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	0.1463	0.7265
cmc	0.5578	0.2948	0.5578	0.3133	0.7065
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0572
codon_usage	0.8089	0.0347	0.8089	0.7682	0.3345
coil20	0.9306	0.0069	0.9306	0.9269	0.0475
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.5172	0.4828	0.5172	-0.0628	0.9943
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.6897	0.3103	0.6897	0.1920	0.8695

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6897	0.3103	0.6897	0.3771	0.8327
colposcopies-c	0.7931	0.2069	0.7931	0.5272	0.6464
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.8387	0.1075	0.8387	0.7430	0.2410
connect-4	0.9833	0.0112	0.9833	0.6170	0.4222
cottonmeloidogyne	0.6827	0.3173	0.6827	0.3659	0.8390
coupon	0.7050	0.2950	0.7050	0.3942	0.8181
covtype	0.9213	0.0225	0.9213	0.8737	0.2040
covtypeCD	0.9766	0.0234	0.9766	0.9024	0.2575
covtypeT	0.9777	0.0223	0.9777	0.8214	0.3018
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8774	0.0409	0.8774	0.7483	0.4315
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2946	0.1160
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7593	0.2407	0.7593	0.4815	0.6443
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7553	0.2447	0.7553	0.2761	0.8053
deposit	0.8841	0.1159	0.8841	0.4297	0.6616
dermatology	0.9189	0.0270	0.9189	0.8991	0.0971
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.8167	0.1833	0.8167	0.6333	0.6212
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.4466	0.4273
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.4528	0.3648	0.4528	0.0043	0.7770
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5833	0.4167	0.5833	0.1667	0.9267
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5132	0.4868	0.5132	0.0259	0.9909
dropout	0.6749	0.2167	0.6749	0.4691	0.6081
drug-01	0.3085	0.1976	0.3085	-0.0062	0.7119
drug-02	0.4149	0.1672	0.4149	0.1245	0.7242
drug-03	0.5532	0.1277	0.5532	-0.0204	0.5727
drug-04	0.3245	0.1930	0.3245	0.0153	0.8652
drug-05	0.6330	0.1049	0.6330	-0.0107	0.6581
drug-06	0.2819	0.2052	0.2819	0.1413	0.7458
drug-07	0.3723	0.1793	0.3723	0.0150	0.6353
drug-08	0.4362	0.1611	0.4362	0.0604	0.8253
drug-09	0.7766	0.0638	0.7766	-0.0126	0.4997
drug-10	0.4574	0.1550	0.4574	0.1079	0.7024
drug-11	0.8138	0.0532	0.8138	0.1607	0.3776
drug-12	0.6596	0.0973	0.6596	-0.0120	0.7802
drug-13	0.4947	0.1444	0.4947	0.1062	0.7577
drug-14	0.5266	0.1353	0.5266	0.2163	0.6946
drug-15	0.6862	0.0897	0.6862	0.1181	0.8665
drug-16	0.4734	0.1505	0.4734	0.1696	0.6927
drug-17	0.2287	0.2204	0.2287	0.0122	0.7910
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6968	0.0866	0.6968	0.0792	0.5202
drybean	0.9052	0.0271	0.9052	0.8854	0.1446
ecoli	0.8235	0.0441	0.8235	0.7515	0.0998
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2927	0.0884	0.2927	0.2191	0.8060
eeg-eye	0.8004	0.1996	0.8004	0.5953	0.6650
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.3556	0.5608
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5333	0.7088
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6423	0.5581
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.5419	0.6919
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7397	0.1041	0.7397	0.6651	0.3248
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9579	0.0421	0.9579	0.9155	0.2348
fbis-wc	0.6870	0.0368	0.6870	0.6459	0.2977
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5584	0.2086
fontaine_MACCS	0.7500	0.2500	0.7500	0.3858	0.6121
fonts10%	0.4545	0.0071	0.4545	0.4159	0.3446
forest	0.9038	0.0481	0.9038	0.8672	0.1255
gas	0.9720	0.0093	0.9720	0.9660	0.0660
gastrointestinal	0.6875	0.2083	0.6875	0.5210	0.3282
gender	0.5895	0.2737	0.5895	0.0104	0.4068
gene	0.8959	0.0694	0.8959	0.8327	0.2787
german	0.7000	0.3000	0.7000	0.3039	0.8365
gina	0.8444	0.1556	0.8444	0.6887	0.5732
glass	0.7143	0.0952	0.7143	0.6261	0.2567
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3548	0.8301
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6218	0.5935
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2638	0.5793
haberman	0.6000	0.4000	0.6000	-0.1111	0.9438
hapt	0.8884	0.0186	0.8884	0.8681	0.1208
har70	0.8820	0.0337	0.8820	0.8295	0.2372
harth10%	0.8204	0.0299	0.8204	0.7552	0.1821
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7647	0.2353	0.7647	0.5342	0.6845
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7968	0.2032	0.7968	0.5931	0.6190
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5536	0.4464	0.5536	0.0553	0.5915
higher	0.2857	0.1786	0.2857	0.1617	0.2883
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8583	0.1417	0.8583	0.4783	0.6659
hiva	0.9338	0.0662	0.9338	0.1425	0.6016
horse	0.5833	0.2778	0.5833	0.2330	0.6477
htru2	0.9715	0.0285	0.9715	0.8265	0.3304
ht-sensor	0.8553	0.0964	0.8553	0.7847	0.2675
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0557
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6610	0.3390	0.6610	0.1114	0.9005
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7612	0.0184	0.7612	0.7517	0.2064
jm1	0.8007	0.1993	0.8007	0.0489	0.6093
jvowels	0.8574	0.0317	0.8574	0.8384	0.2111
kc1	0.8578	0.1422	0.8578	0.3286	0.6454
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4118	0.7427
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1833	0.2713
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7483	0.0280	0.7483	0.7191	0.2914
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.6698	0.1101	0.6698	0.5808	0.4776
la2s-wc	0.6921	0.1026	0.6921	0.6090	0.4548
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6909	0.0589
led24	0.6500	0.0700	0.6500	0.6056	0.1568
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8525	0.0113	0.8525	0.8466	0.1666
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6667	0.0444	0.6667	0.6421	0.1285
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0370
liver	0.5000	0.5000	0.5000	-0.0664	0.9551
localization	0.6210	0.0689	0.6210	0.5240	0.6550
lrs	0.6226	0.0755	0.6226	0.4914	0.1847
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.8190	0.1706
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6907	0.2125
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5472	0.1163
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.6667	0.0741	0.6667	0.5500	0.0853
madelon	0.5077	0.4923	0.5077	0.0154	0.9942
magic04	0.8101	0.1899	0.8101	0.5812	0.6661

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5839	0.6742
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6990	0.4075
messidor	0.6696	0.3304	0.6696	0.3277	0.8607
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8442	0.1259
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.8900	0.0220	0.8900	0.8778	0.1226
mfeat-fou	0.6800	0.0640	0.6800	0.6444	0.2811
mfeat-kar	0.8050	0.0390	0.8050	0.7833	0.2167
mfeat-mor	0.6300	0.0740	0.6300	0.5889	0.2542
mfeat-pix	0.8450	0.0310	0.8450	0.8278	0.1653
mfeat-zer	0.6700	0.0660	0.6700	0.6333	0.2661
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3731	0.5072
mobile	0.6643	0.0120	0.6643	0.6582	0.1533
monks-1	0.7273	0.2727	0.7273	0.4562	0.7625
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7811	0.3999
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.8816
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.5072	0.4928	0.5072	0.0076	0.9561
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.5941
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2387	0.9088
MUT_ci300400a	0.5865	0.4135	0.5865	0.0353	0.5495
MUT_ci300400a_cdk_ECFP2	0.5923	0.4077	0.5923	0.0285	0.5461
myocardial	0.8647	0.0338	0.8647	0.4438	0.4045
naticusdroid	0.9703	0.0297	0.9703	0.9407	0.1801
nci9	0.3333	0.1481	0.3333	0.2258	0.1401
ncRNA10%	0.9041	0.0101	0.9041	0.7136	0.2591
newspop	0.5474	0.4526	0.5474	0.0893	0.9707
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9515	0.0485	0.9515	0.8801	0.2824
NPHA-doctor-visits	0.4028	0.3981	0.4028	-0.0131	0.7971
nursery	0.9915	0.0034	0.9915	0.9876	0.0339
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0782
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9728	0.0350
oh0-wc	0.8515	0.0297	0.8515	0.8304	0.1509
oh10-wc	0.6571	0.0686	0.6571	0.6098	0.3209
oh15-wc	0.7391	0.0522	0.7391	0.7057	0.2380
oh5-wc	0.7033	0.0593	0.7033	0.6657	0.2810
opn310k	0.8835	0.1165	0.8835	0.3113	0.6817
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0218	0.2403
optdigits	0.8683	0.0263	0.8683	0.8536	0.1768
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.6500	0.0175	0.6500	0.6410	0.0638
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9368	0.0632	0.9368	-0.0321	0.6277
ozone8hr	0.8933	0.1067	0.8933	0.1261	0.6936
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9653	0.0139	0.9653	0.8063	0.2446

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8789	0.1211	0.8789	0.7020	0.5400
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9009	0.0991	0.9009	0.2138	0.6764
pcmac	0.5052	0.4948	0.5052	0.0001	0.9869
pd	0.7895	0.2105	0.7895	0.4754	0.7218
pediatric-leukemia	0.7941	0.0588	0.7941	0.7500	0.1914
pendigits	0.9618	0.0076	0.9618	0.9575	0.0637
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5436	0.6666
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8462
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7778	0.2222	0.7778	0.5652	0.5154
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3269	0.7462
Pgp_desc	0.6500	0.3500	0.6500	0.1860	0.7848
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.8093	0.1907	0.8093	0.5331	0.6922
phy	0.5756	0.4244	0.5756	0.1512	0.9491
pima	0.6711	0.3289	0.6711	0.2737	0.8519
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.6584	0.0683	0.6584	0.3898	0.5073
polish-1st	0.9587	0.0413	0.9587	0.4698	0.5790
polish-2nd	0.9489	0.0511	0.9489	0.2709	0.6139
polish-3rd	0.9381	0.0619	0.9381	0.2835	0.6271
polish-4th	0.9500	0.0500	0.9500	0.5156	0.5745
polish-5th	0.9509	0.0491	0.9509	0.6242	0.5262
polya	0.6573	0.3427	0.6573	0.2548	0.8813
popularity	0.5660	0.2894	0.5660	0.1060	0.7044
post-operative	0.8889	0.0741	0.8889	0.7273	0.1423
postures	0.9758	0.0097	0.9758	0.9697	0.0613
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.6634
primary-tumor	0.3333	0.0606	0.3333	0.2508	0.2525
profb	0.5522	0.4478	0.5522	0.0905	0.9057
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9754	0.0099	0.9754	0.9669	0.0699
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8333	0.1667	0.8333	0.6667	0.5921
re0-wc	0.6533	0.0533	0.6533	0.5576	0.4603
re1-wc	0.7892	0.0169	0.7892	0.7598	0.1868
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9500	0.0200	0.9500	0.9332	0.0595
rocket	0.5907	0.4093	0.5907	-0.0029	0.5323
RT_IOT2022	0.9984	0.0003	0.9984	0.9959	0.0060
satimage	0.8429	0.0524	0.8429	0.8072	0.2390
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.9098	0.0902	0.9098	0.4750	0.6144
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9231	0.0769	0.9231	0.1103	0.6287
secondary_mushroom	0.8480	0.1520	0.8480	0.7010	0.4691
segment	0.9264	0.0210	0.9264	0.9139	0.0917
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8992	0.1008	0.8992	0.0207	0.6922
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.7974	0.2026	0.7974	0.0400	0.7852
sens-2-gram	0.8237	0.1763	0.8237	0.0802	0.7721
sens-3-gram	0.8342	0.1658	0.8342	0.2146	0.7470
sens-4-gram	0.8289	0.1711	0.8289	0.2043	0.7516
sensorless	0.9793	0.0038	0.9793	0.9772	0.0343
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8605	0.1395	0.8605	0.4227	0.6759
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9989	0.0011	0.9989	0.9965	0.0161
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7554	0.0815	0.7554	0.6859	0.2293
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9217	0.0783	0.9217	0.8360	0.3732
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4717	0.0220	0.4717	0.4413	0.1495
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7400	0.2600	0.7400	0.4423	0.7789
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7385	0.2615	0.7385	0.2194	0.8192
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8898	0.0734	0.8898	0.8212	0.2516
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6974	0.3026	0.6974	0.3538	0.8266
steel-p	0.9026	0.0974	0.9026	0.4041	0.6481
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8093	0.4129
studentap	0.3077	0.4615	0.3077	-0.0263	0.7504
student-weekend	0.2615	0.2954	0.2615	-0.0032	0.8427
student-workday	0.5625	0.1750	0.5625	0.0132	0.5140
susy10%	0.7595	0.2405	0.7595	0.5125	0.7329
swarm_aligned	0.9975	0.0025	0.9975	0.9942	0.0271
swarm_flocking	0.9800	0.0200	0.9800	0.9600	0.1327
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.8223
Tdp_desc	0.8056	0.1944	0.8056	0.1818	0.3522
texture	0.9018	0.0179	0.9018	0.8918	0.1224
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7447	0.2553	0.7447	-0.1417	0.8293
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8384	0.1616	0.8384	0.5724	0.6524
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.2381	0.1674
tox_171	0.2941	0.3529	0.2941	0.0599	0.5158
toxicity	0.4706	0.5294	0.4706	-0.2047	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.1398	0.9213
trec11-wc	0.7561	0.0542	0.7561	0.7005	0.2225
trec12-wc	0.7742	0.0565	0.7742	0.7288	0.1600

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5926	0.2937
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9247	0.0215	0.9247	0.9001	0.0898
trec41-wc	0.9091	0.0182	0.9091	0.8892	0.1338
trec45-wc	0.9275	0.0145	0.9275	0.9156	0.0670
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.6750	0.1625	0.6750	0.5667	0.4339
tvnews	0.9143	0.0857	0.9143	0.8138	0.3985
urban	0.8358	0.0365	0.8358	0.8073	0.1579
vehicle	0.7500	0.1250	0.7500	0.6639	0.2273
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8140	0.1860	0.8140	0.6301	0.5432
vowel	0.5455	0.0826	0.5455	0.5000	0.2499
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.7115	0.0288	0.7115	0.6762	0.2180
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.9882	0.0034	0.9882	0.9862	0.0223
watch-gyr10%	0.9870	0.0037	0.9870	0.9848	0.0184
waveform	0.6920	0.2053	0.6920	0.5377	0.5666
web-phishing	0.8667	0.0889	0.8667	0.7632	0.3901
weight-lift	0.9911	0.0036	0.9911	0.9887	0.0263
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0611
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.5723	0.1426	0.5723	0.3203	0.4308
winequality-white	0.5521	0.1280	0.5521	0.3274	0.6025
winnipeg	0.9763	0.0068	0.9763	0.9700	0.0605
yale	0.4375	0.0750	0.4375	0.3975	0.1297
yeast	0.5135	0.0973	0.5135	0.3734	0.4531
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.8645	0.0271	0.8645	0.8481	0.2003
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 115: Detailed results for SVM

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0805	0.4661
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9837	0.0163	0.9837	0.2309	0.2529
ads	0.9756	0.0244	0.9756	0.8930	0.1527
adult	0.8489	0.1511	0.8489	0.5359	0.6017
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.0000	0.5023
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9996	0.0004	0.9996	0.9392	0.0936
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.0000	0.4416
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9941	0.0059	0.9941	0.0537	0.0247
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.9077	0.0923	0.9077	0.7132	0.3913
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9944	0.0028	0.9944	0.9894	0.0166
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9875	0.0031	0.9875	0.9794	0.0849
anuran-species	0.9903	0.0019	0.9903	0.9865	0.0357
aps-failure	0.9926	0.0074	0.9926	0.7705	0.2681
arcene	0.8000	0.2000	0.8000	0.5833	0.6737
arrhythmia	0.7111	0.0444	0.7111	0.5038	0.2039
auction	0.9216	0.0784	0.9216	0.5781	0.4430
audiology	0.6957	0.0254	0.6957	0.6414	0.0773
audit-risk	0.9744	0.0256	0.9744	0.9459	0.1164
autism-adolescent	0.9091	0.0909	0.9091	0.8136	0.3522
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0771
avila	0.8471	0.0255	0.8471	0.7969	0.2094
balance	0.9194	0.0538	0.9194	0.8553	0.2296
bank	0.9107	0.0893	0.9107	0.4774	0.5638
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9240	0.0760	0.9240	0.8304	0.3221
basehock	0.9648	0.0352	0.9648	0.9296	0.2045
bio	1.0000	0.0032	1.0000	0.8363	0.1176
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9866	0.0008	1.0000	0.4154	0.1924
block10%	0.9846	0.0000	1.0000	1.0000	0.0003
block10%	0.9846	0.0000	1.0000	1.0000	0.0003
breast-cancer	0.7857	0.2143	0.7857	0.3226	0.3833
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.6364	0.1212	0.6364	0.5510	0.2080
bridges	0.8000	0.0571	0.8000	0.6774	0.1083
bub10at310k-hg16-17	0.9118	0.0880	0.9393	0.0326	0.2291
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.4384	0.3038
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8696	0.1304	0.8696	0.7285	0.5029
cardiotocography	0.8357	0.0329	0.8357	0.8015	0.1734
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8184	0.1107
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5073	0.5360
cas_N6512_cdk_ECFP2	0.7849	0.2151	0.7849	0.5674	0.6932
cdc_diabetes	0.8745	0.1042	0.8765	0.1576	0.2859
census10%	0.9502	0.0498	0.9502	0.3941	0.4342
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9302	0.0698	0.9302	0.2229	0.5285
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9790	0.0002	0.9794	0.8881	0.0720
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.7970	0.3704
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3066	0.8513
cirrhosis	0.6905	0.2063	0.6905	0.3576	0.4823
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8657	0.0671	0.8657	0.7936	0.3074
climate	0.9444	0.0556	0.9444	0.5424	0.5131
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5034	0.3311	0.5034	0.2093	0.7426
cnae-9	0.9722	0.0062	0.9722	0.9688	0.0311
codon_usage	0.9509	0.0089	0.9509	0.9404	0.0903
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.6800	0.0427	0.6800	0.6471	0.1385
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.0584	0.7592
colposcopies-2	0.6897	0.3103	0.6897	0.2162	0.4644
colposcopies-3	0.7586	0.2414	0.7586	0.4835	0.7133
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.7931	0.2069	0.7931	0.2984	0.6721
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne	0.7812	0.2188	0.7812	0.5626	0.6968
coupon	0.7603	0.2397	0.7603	0.5059	0.7346
covtype	0.9473	0.0113	0.9819	0.9790	0.1126
covtypeCD	0.9935	0.0065	0.9935	0.9725	0.0821
covtypeT	0.9844	0.0156	0.9844	0.8776	0.2416
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5475	0.5986
crowdsourced	0.9622	0.0126	0.9622	0.9228	0.1500
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.6875	0.0156	0.6875	0.6777	0.0462
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.7778	0.2222	0.7778	0.5352	0.6921
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8237	0.1763	0.8237	0.3655	0.6188
deposit	0.9051	0.0949	0.9051	0.4469	0.5653
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.0303	0.5178
dexter	0.9333	0.0667	0.9333	0.8667	0.3124
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.6100	0.6411
diabetes	0.9615	0.0385	0.9615	0.9172	0.1529
diabetic10%	0.5462	0.3026	0.5462	0.0708	0.5166
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5785	0.4497	0.5488	0.1108	0.9607
dropout	0.7607	0.1595	0.7607	0.5973	0.4694
drug-01	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02	0.5053	0.1413	0.5053	-0.0087	0.3807
drug-03	0.7074	0.0836	0.7074	0.1210	0.2365
drug-04	0.5266	0.1353	0.5266	0.0077	0.3593
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4309	0.1626	0.4309	0.2611	0.4244
drug-07	0.4681	0.1520	0.4681	0.0738	0.2800
drug-08	0.5851	0.1185	0.5851	0.1659	0.3266
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5532	0.1277	0.5532	0.1098	0.3870
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6117	0.1109	0.6117	0.2311	0.3932
drug-14	0.5851	0.1185	0.5851	0.2126	0.4319
drug-15	0.7553	0.0699	0.7553	0.0078	0.2431
drug-16	0.5745	0.1216	0.5745	0.2592	0.4535
drug-17	0.3617	0.1824	0.3617	0.1031	0.4355
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9317	0.0195	0.9317	0.9174	0.1140
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8182	0.1818	0.8182	0.5050	0.6964
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5353	0.0581	0.5353	0.4845	0.5441
eeg-eye	0.9259	0.0741	0.9259	0.8503	0.3544
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7004	0.5303
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5435	0.6992
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.8061	0.4212
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6575	0.1370	0.6575	0.5590	0.3705
euthyroid	0.9620	0.0380	0.9620	0.7651	0.3200
exon.vs.intron-freq	1.0000	0.0222	0.9919	1.0000	0.1369
fbis-wc	0.8293	0.0201	0.8293	0.8045	0.1204
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5000	0.1250	0.5000	0.3610	0.2778
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4792	0.0067	0.4854	0.4447	0.2835
forest	0.9231	0.0385	0.9231	0.8941	0.1186
gas	0.9957	0.0014	0.9957	0.9948	0.0109
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.5895	0.2737	0.5895	0.0981	0.5103
gene	0.9306	0.0463	0.9306	0.8890	0.2125
german	0.7200	0.2800	0.7200	0.2802	0.6783
gina	0.9452	0.0548	0.9452	0.8904	0.2841
glass	0.8095	0.0635	0.8095	0.7246	0.1432
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8095	0.1905	0.8095	0.5385	0.6309
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.9048	0.0952	0.9048	0.7375	0.4884
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	0.6667	0.3333	0.6667	0.3333	0.5000
grub-damage	0.4000	0.3000	0.4000	0.1768	0.4601
haberman	0.7333	0.2667	0.7333	0.0000	0.4155
hapt	0.9735	0.0044	0.9735	0.9687	0.0386
har70	0.9249	0.0235	0.9046	0.9169	0.1237
harth10%	0.8986	0.0228	0.8472	0.8103	0.1608
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.4444	0.2846

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7874	0.2045	0.8301	0.6036	0.5857
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.8500	0.1500	0.8500	0.5833	0.3261
higgs10%	0.5784	0.4517	0.5511	0.0547	0.5763
higher	0.2857	0.1786	0.2857	0.1083	0.3263
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.9309	0.0691	0.9309	0.7443	0.4257
hiva	0.9669	0.0331	0.9669	0.1211	0.0993
horse	0.6389	0.2407	0.6389	0.2909	0.4219
htru2	0.9777	0.0223	0.9777	0.8563	0.2033
ht-sensor	1.0000	0.0002	0.9806	1.0000	0.0015
hypothyroid	0.9390	0.0305	0.9390	0.5609	0.1918
hypothyroidT	0.9576	0.0424	0.9576	0.6000	0.1231
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9461	0.0041	0.9461	0.9439	0.0490
jm1	0.8108	0.1892	0.8108	0.0848	0.5155
fvowels	0.9980	0.0004	0.9980	0.9977	0.0037
kc1	0.8673	0.1327	0.8673	0.2315	0.2755
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7059	0.3322
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0233	0.2174
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.2798	0.6895
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8371	0.0181	0.8371	0.8181	0.1795
krvskp	0.9843	0.0157	0.9843	0.9686	0.1087
la1s-wc	0.8508	0.0497	0.8508	0.8141	0.2779
la2s-wc	0.8543	0.0486	0.8543	0.8169	0.2580
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5000	0.0250	0.5000	0.4807	0.0967
led24	0.6500	0.0700	0.6500	0.6078	0.1649
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9810	0.0015	0.9810	0.9802	0.0228
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.9167	0.0111	0.9167	0.9106	0.0381
linkage10%	1.0000	0.0000	1.0000	0.9746	0.0001
liver	0.7941	0.2059	0.7941	0.5405	0.6993
localization	0.7167	0.0504	0.7443	0.6318	0.3659
lrs	0.7358	0.0528	0.7358	0.6391	0.1535
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5846	0.4154	0.5846	0.1692	0.9378
magic04	0.8795	0.1205	0.8795	0.7264	0.4770

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6654	0.5984
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7743	0.3465
messidor	0.7478	0.2522	0.7478	0.4951	0.7441
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9227	0.0673
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0290
mfeat-fou	0.8500	0.0300	0.8500	0.8333	0.1111
mfeat-kar	0.9800	0.0040	0.9800	0.9778	0.0250
mfeat-mor	0.7550	0.0490	0.7550	0.7278	0.1842
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0250
mfeat-zer	0.9150	0.0170	0.9150	0.9056	0.0659
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.7647	0.0941	0.7647	0.7047	0.2709
mobile	0.8566	0.0051	0.8566	0.8540	0.0662
monks-1	0.9455	0.0545	0.9455	0.8908	0.2776
monks-2	0.9672	0.0328	0.9672	0.9274	0.2074
monks-3	0.9643	0.0357	0.9643	0.9285	0.2076
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9955	0.0045	0.9955	0.9825	0.0541
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.4928	0.5072	0.4928	0.0000	0.5292
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6721
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4373	0.7936
MUT_ci300400a	0.7932	0.2068	0.7932	0.5738	0.6798
MUT_ci300400a_cdk_ECFP2	0.8417	0.1583	0.8417	0.6743	0.5856
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9703	0.0297	0.9703	0.9407	0.1802
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9277	0.0095	0.9326	0.7176	0.2098
newspop	0.6597	0.3403	0.6597	0.3125	0.8684
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9614	0.0386	0.9614	0.9050	0.2441
NPHA-doctor-visits	0.5417	0.3056	0.5417	0.0361	0.3592
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0807
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9759	0.0163
oh0-wc	0.8713	0.0257	0.8713	0.8535	0.1181
oh10-wc	0.7619	0.0476	0.7619	0.7298	0.2403
oh15-wc	0.6848	0.0630	0.6848	0.6451	0.3140
oh5-wc	0.7912	0.0418	0.7912	0.7654	0.2090
opn310k	0.9298	0.0747	0.9345	0.4601	0.5443
opnat310k-hg16-17	0.9537	0.0926	0.9044	0.0392	0.2559
optdigits	0.9858	0.0028	0.9858	0.9842	0.0222
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9130	0.0870	0.9130	0.0537	0.6079
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9634	0.0146	0.9634	0.7739	0.1978

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9750	0.0250	0.9750	0.9484	0.1644
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.9633	0.0755	0.9008	0.8125	0.4087
pasture	0.5000	0.3333	0.5000	0.1111	0.2969
pc1	0.9369	0.0631	0.9369	0.2096	0.1619
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.9211	0.0789	0.9211	0.7818	0.3992
pediatric-leukemia	0.7941	0.0588	0.7941	0.7460	0.1912
pendigits	0.9973	0.0005	0.9973	0.9970	0.0055
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8660	0.1340	0.8660	0.6993	0.5454
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8631
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7782	0.4492
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9755	0.0245	0.9755	0.9484	0.1522
phoneme	0.8852	0.1148	0.8852	0.7092	0.5072
phy	0.7152	0.2848	0.7152	0.4303	0.8008
pima	0.7105	0.2895	0.7105	0.3407	0.7408
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.7983	0.0433	0.7635	0.6116	0.1782
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9306	0.0694	0.9306	0.0403	0.2959
polya	0.7968	0.2032	0.7968	0.5437	0.6815
popularity	0.6671	0.2219	0.6671	0.2065	0.4533
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9917	0.0033	0.9917	0.9896	0.0257
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8074
primary-tumor	0.4242	0.0523	0.4242	0.3628	0.2244
profb	0.7463	0.2537	0.7463	0.3738	0.7632
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9937	0.0025	0.9937	0.9916	0.0206
pufs-6410%	0.5221	0.5147	0.4908	0.0011	0.9880
raisin	0.9111	0.0889	0.9111	0.8222	0.3945
re0-wc	0.7600	0.0369	0.7600	0.6805	0.2851
re1-wc	0.7771	0.0178	0.7771	0.7462	0.1813
rejafada	0.9698	0.0302	0.9698	0.6856	0.5211
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6604	0.3396	0.6604	0.2777	0.8731
RT_IOT2022	0.9953	0.0008	0.9953	0.9882	0.0103
satimage	0.9222	0.0259	0.9222	0.9041	0.1367
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9565	0.0435	0.9565	0.7428	0.3771
scadi	0.8571	0.0408	0.8571	0.8056	0.0421
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.6471	0.3529	0.6471	0.2941	0.8608
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9998	0.0002	0.9998	0.9997	0.0019
segment	0.9437	0.0161	0.9437	0.9342	0.0708
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8763	0.1237	0.8763	0.1479	0.4234
sens-4-gram	0.8658	0.1342	0.8658	0.0994	0.5596
sensorless	0.9752	0.0045	0.9752	0.9727	0.0349
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8905	0.1095	0.8905	0.4721	0.4928
shuttle	0.9984	0.0004	0.9984	0.9956	0.0027
sick	0.9629	0.0371	0.9629	0.6141	0.2431
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9999	0.0001	0.9999	0.9998	0.0017
smk_can_187	0.7895	0.2105	0.7895	0.5778	0.6844
solar-flare	0.7482	0.0839	0.7482	0.6747	0.1905
sonar	0.7500	0.2500	0.7500	0.5000	0.7429
soybean	1.0000	0.0000	1.0000	1.0000	0.0000
spambase	0.9065	0.0935	0.9065	0.8025	0.4115
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.8857	0.1143	0.8857	0.6818	0.2781
spectrometer	0.6792	0.0134	0.6792	0.6604	0.0876
splice-EI	0.9779	0.0221	0.9779	0.9427	0.1928
splice-IE	0.9338	0.0662	0.9338	0.8158	0.3854
sport-articles	0.8200	0.1800	0.8200	0.6005	0.6235
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8718	0.1282	0.8718	0.5718	0.5636
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8744	0.0837	0.8744	0.7949	0.2786
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8308	0.1692	0.8308	0.6129	0.6066
steel-p	0.9333	0.0667	0.9333	0.3558	0.3699
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9692	0.0308	0.9692	0.8251	0.3478
studentap	0.5385	0.3077	0.5385	0.2500	0.3462
student-weekend	0.3846	0.2462	0.3846	0.1003	0.5034
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7787	0.2384	0.7570	0.5348	0.7232
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5887
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9982	0.0003	0.9982	0.9980	0.0028
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.9140	0.0860	0.9140	0.7665	0.4471
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.9412	0.0294	0.9412	0.9209	0.0644
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.0000	0.4762
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7333	0.2667	0.7333	0.1749	0.8373
trec11-wc	0.8293	0.0379	0.8293	0.7879	0.1568
trec12-wc	0.8710	0.0323	0.8710	0.8420	0.0941

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7490	0.2658
trec23-wc	0.7143	0.0952	0.7143	0.6135	0.2955
trec31-wc	0.9140	0.0246	0.9140	0.8857	0.1494
trec41-wc	0.8977	0.0205	0.8977	0.8728	0.1009
trec45-wc	0.8116	0.0377	0.8116	0.7786	0.1627
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8500	0.0750	0.8500	0.8000	0.1732
tvnews	0.9372	0.0538	0.9803	0.8605	0.2888
urban	0.8209	0.0398	0.8209	0.7893	0.1390
vehicle	0.8214	0.0893	0.8214	0.7590	0.1937
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6869	0.0569	0.6869	0.6556	0.1546
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9021	0.0899	0.9141	0.0011	0.2466
wap-wc	0.8077	0.0192	0.8077	0.7865	0.1704
warpar10p	1.0000	0.0000	1.0000	1.0000	0.0000
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	1.0000	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	1.0000	0.0002	1.0000	1.0000	0.0022
waveform	0.8500	0.1000	0.8500	0.7750	0.3501
web-phishing	0.8741	0.0840	0.8741	0.7773	0.3744
weight-lift	0.9827	0.0069	0.9827	0.9780	0.0352
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9917	0.0083	0.9917	0.9156	0.2543
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7044	0.0985	0.7044	0.5170	0.3564
winequality-white	0.6605	0.0970	0.6605	0.4673	0.3806
winnipeg	1.0000	0.0065	1.0000	0.9647	0.0505
yale	0.8125	0.0250	0.8125	0.7983	0.0412
yeast	0.5270	0.0946	0.5270	0.3885	0.3692
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9527	0.0473	0.9527	0.3410	0.5495
zip	0.9656	0.0069	0.9656	0.9614	0.0585
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 116: Detailed results for AsymmBC(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1727	0.0571	0.1727	0.0825	0.4480
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.8904	0.1096	0.8904	0.2808	0.5905
accelerometer	0.9822	0.0178	0.9822	0.2130	0.4039
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8585	0.1415	0.8585	0.5696	0.5790
AID1284Morered	0.8056	0.1944	0.8056	-0.0862	0.8010
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8889	0.1111	0.8889	0.0745	0.6933
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.8000	0.2000	0.8000	0.0801	0.7395
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9930	0.0070	0.9930	-0.0034	0.4755
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9375	0.0625	0.9375	-0.0286	0.6474
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.6500	0.3500	0.6500	-0.0938	0.8482
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8687	0.0875	0.8687	0.0987	0.3574
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9458	0.0271	0.9458	0.8943	0.1213
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9360	0.0160	0.9360	0.8923	0.1540
anuran-species	0.9528	0.0094	0.9528	0.9340	0.0695
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7111	0.0444	0.7111	0.5479	0.2901
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7297	0.1443
avila	0.7911	0.0348	0.7911	0.7117	0.1381
balance	0.7581	0.1613	0.7581	0.5796	0.5402
bank	0.9094	0.0906	0.9094	0.5709	0.5994
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9960	0.0040	0.9960	0.7296	0.1765
biodeg	0.8190	0.1810	0.8190	0.6323	0.6097
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9860	0.0010	0.9860	0.3220	0.4187
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.6071	0.3929	0.6071	0.1895	0.8342
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.9091	0.0303	0.9091	0.8866	0.0381
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9655	0.0172	0.9655	0.9270	0.1159
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8310	0.0338	0.8310	0.7970	0.1975
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8085	0.3162
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6360	0.4168
cas_N6512_cdk_ECFP2	0.5607	0.4393	0.5607	0.0526	0.6098
cdc_diabetes	0.8434	0.1044	0.8434	0.1830	0.3503
census10%	0.9482	0.0518	0.9482	0.3915	0.4820
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9419	0.0581	0.9419	0.5841	0.5676
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9070	0.0930	0.9070	0.8106	0.3522
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8304	0.2170
ci100410h_MACCS	0.7188	0.2812	0.7188	0.1325	0.8517
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.4934	0.6985
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6029	0.6519
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2567	0.7938
cirrhosis	0.6429	0.2381	0.6429	0.2984	0.6308
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7556	0.1222	0.7556	0.6310	0.4697
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.5782	0.2812	0.5782	0.3300	0.6676
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0827
codon_usage	0.7559	0.0444	0.7559	0.6983	0.2655
coil20	0.9514	0.0049	0.9514	0.9488	0.0287
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.7419	0.1720	0.7419	0.5860	0.3017
connect-4	0.9813	0.0124	0.9813	0.4852	0.4055
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3732	0.8280
covtype	0.7308	0.0769	0.7308	0.5603	0.3031
covtypeCD	0.9761	0.0239	0.9761	0.8980	0.2356
covtypeT	0.9771	0.0229	0.9771	0.8229	0.3353
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8350	0.0550	0.8350	0.6208	0.2665
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2610	0.1243
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8257	0.1743	0.8257	0.3867	0.6332
deposit	0.8969	0.1031	0.8969	0.4354	0.6194
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.8167	0.1833	0.8167	0.6333	0.6009
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5373	0.3084	0.5373	-0.0014	0.3784
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5539	0.4461	0.5539	0.0772	0.8886
dropout	0.6998	0.2001	0.6998	0.5140	0.5095
drug-01	0.4043	0.1702	0.4043	0.0303	0.3970
drug-02	0.4840	0.1474	0.4840	0.0659	0.6252
drug-03	0.6596	0.0973	0.6596	-0.0313	0.4275
drug-04	0.4521	0.1565	0.4521	0.0757	0.6669
drug-05	0.7074	0.0836	0.7074	-0.0353	0.3673
drug-06	0.3936	0.1733	0.3936	0.2220	0.5344
drug-07	0.4043	0.1702	0.4043	-0.0328	0.3679
drug-08	0.5319	0.1337	0.5319	0.0693	0.5943
drug-09	0.8564	0.0410	0.8564	0.0430	0.2265
drug-10	0.5106	0.1398	0.5106	0.0334	0.5888
drug-11	0.7979	0.0578	0.7979	0.0162	0.8911
drug-12	0.7713	0.0654	0.7713	0.0111	0.4485
drug-13	0.5851	0.1185	0.5851	0.2013	0.4188
drug-14	0.5691	0.1231	0.5691	0.1472	0.5731
drug-15	0.7287	0.0775	0.7287	0.1030	0.5134
drug-16	0.5479	0.1292	0.5479	0.2280	0.5288
drug-17	0.3777	0.1778	0.3777	0.1260	0.5051
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	-0.0191	0.3542
drybean	0.9155	0.0241	0.9155	0.8978	0.1389
ecoli	0.8235	0.0441	0.8235	0.7536	0.1299
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2986	0.0877	0.2986	0.2045	0.4783
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6667	0.3333	0.6667	0.0868	0.6536
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.2802	0.5153
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6690	0.5584
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5734	0.6660
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.5890	0.1644	0.5890	0.4609	0.3501
euthyroid	0.9525	0.0475	0.9525	0.7110	0.4096
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8314	0.3848
fbis-wc	0.7236	0.0325	0.7236	0.6828	0.2131
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6117	0.1611
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.6052	0.0052	0.6052	0.5833	0.2847
forest	0.9038	0.0481	0.9038	0.8680	0.1634
gas	0.9605	0.0132	0.9605	0.9521	0.0881
gastrointestinal	0.6250	0.2500	0.6250	0.4483	0.4558
gender	0.5874	0.2751	0.5874	0.0105	0.4250
gene	0.9211	0.0526	0.9211	0.8726	0.2250
german	0.6200	0.3800	0.6200	-0.0243	0.8374
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.7619	0.0794	0.7619	0.6749	0.2402
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2857	0.5097
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8920	0.0180	0.8920	0.8724	0.1012
har70	0.8782	0.0348	0.8782	0.8246	0.1423
harth10%	0.8562	0.0240	0.8562	0.8029	0.1520
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5761
hERG-121inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.1429	0.2143	0.1429	-0.0120	0.4220
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8668	0.1332	0.8668	0.5230	0.6468
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.5556	0.2963	0.5556	0.1910	0.6975
htru2	0.9771	0.0229	0.9771	0.8573	0.2568
ht-sensor	0.6782	0.2145	0.6782	0.5266	0.3555
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0898
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8113	0.0145	0.8113	0.8037	0.1511
jm1	0.8026	0.1974	0.8026	0.0316	0.5512
fvowels	0.8906	0.0243	0.8906	0.8760	0.1667
kc1	0.8531	0.1469	0.8531	0.2954	0.6557
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2708	0.1688
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8053	0.0216	0.8053	0.7828	0.2273
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.6540	0.1153	0.6540	0.5411	0.3247
la2s-wc	0.6921	0.1026	0.6921	0.5936	0.3281
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6314	0.0565
led24	0.5500	0.0900	0.5500	0.4972	0.2247
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9105	0.0069	0.9105	0.9069	0.1016
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7910	0.0884
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5522	0.0814	0.5522	0.3894	0.3931
lrs	0.8302	0.0340	0.8302	0.7619	0.1097
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.8095	0.0762	0.8095	0.5962	0.2647
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5604	0.2525
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5200	0.1717
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7796	0.2204	0.7796	0.4481	0.5451

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5806	0.6792
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5465	0.5149
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0853
mfeat-fou	0.7550	0.0490	0.7550	0.7278	0.2123
mfeat-kar	0.8950	0.0210	0.8950	0.8833	0.1280
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2067
mfeat-pix	0.8950	0.0210	0.8950	0.8833	0.1276
mfeat-zer	0.6850	0.0630	0.6850	0.6500	0.2824
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5615	0.1754	0.5609	0.4396	0.4029
mobile	0.8182	0.0065	0.8182	0.8149	0.0833
monks-1	0.7091	0.2909	0.7091	0.4195	0.7967
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6019	0.3981	0.6019	0.0550	0.5430
myocardial	0.8588	0.0353	0.8588	0.3317	0.4147
naticusdroid	0.9465	0.0535	0.9465	0.8929	0.2634
nci9	0.1667	0.1852	0.1667	0.0625	0.1899
ncRNA10%	0.9099	0.0095	0.9099	0.7328	0.2220
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9277	0.0723	0.9277	0.8266	0.3938
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0151	0.7223
nursery	0.9931	0.0028	0.9931	0.9898	0.0263
obs	0.8981	0.0509	0.8981	0.8530	0.1194
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9728	0.0350
oh0-wc	0.7723	0.0455	0.7723	0.7372	0.1947
oh10-wc	0.6667	0.0667	0.6667	0.6158	0.2728
oh15-wc	0.7283	0.0543	0.7283	0.6896	0.2553
oh5-wc	0.6154	0.0769	0.6154	0.5632	0.3091
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9164	0.0167	0.9164	0.9070	0.1149
optdigitsZ	0.9893	0.0107	0.9893	0.9329	0.1458
orl	0.6500	0.0175	0.6500	0.6410	0.0631
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9289	0.0711	0.9289	-0.0369	0.6062
ozone8hr	0.8933	0.1067	0.8933	0.0753	0.6985
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9744	0.0102	0.9744	0.8534	0.1936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7368	0.2632	0.7368	0.3624	0.7894
particle	0.8695	0.1305	0.8695	0.6768	0.5632
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.8829	0.1171	0.8829	0.0708	0.6940
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.5882	0.1176	0.5882	0.4936	0.3585
pendigits	0.9654	0.0069	0.9654	0.9616	0.0543
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9714	0.0286	0.9714	0.9402	0.1829
phoneme	0.7852	0.2148	0.7852	0.5494	0.6193
phy	0.6276	0.3724	0.6276	0.2530	0.7837
pima	0.6447	0.3553	0.6447	0.1752	0.8270
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6616	0.0677	0.6616	0.3649	0.2861
polish-1st	0.9545	0.0455	0.9545	0.0937	0.5648
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9486	0.0514	0.9486	0.0855	0.4869
polish-4th	0.9520	0.0480	0.9520	0.4104	0.5237
polish-5th	0.9543	0.0457	0.9543	0.5496	0.3677
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6318	0.2455	0.6318	0.0047	0.3219
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8729	0.0509	0.8729	0.8411	0.1833
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3939	0.0551	0.3939	0.3286	0.2490
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9228	0.0309	0.9228	0.8958	0.1317
pufs-6410%	0.4995	0.5005	0.4995	-0.0010	0.9999
raisin	0.8444	0.1556	0.8444	0.6889	0.5491
re0-wc	0.7067	0.0451	0.7067	0.6006	0.3037
re1-wc	0.7711	0.0183	0.7711	0.7380	0.1948
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9499	0.0383
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0044
satimage	0.8585	0.0472	0.8585	0.8254	0.2140
satimageF	0.9813	0.0187	0.9813	0.9062	0.2602
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.5000	0.5000	0.5000	0.0000	0.7508
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9567	0.0124	0.9567	0.9494	0.0530
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9547	0.0082	0.9547	0.9502	0.0467
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4397	0.5578
shuttle	0.9995	0.0001	0.9995	0.9985	0.0468
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9910	0.0090	0.9910	0.9731	0.1177
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7410	0.0863	0.7410	0.6718	0.2428
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9515	0.0237
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.5094	0.0204	0.5094	0.4822	0.1385
splice-EI	0.9558	0.0442	0.9558	0.8839	0.2944
splice-IE	0.9085	0.0915	0.9085	0.7408	0.4660
sport-articles	0.7700	0.2300	0.7700	0.4983	0.7319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.0535	0.5552
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8878	0.0748	0.8878	0.8182	0.2547
steel-k	0.9744	0.0256	0.9744	0.9221	0.2232
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.9026	0.0974	0.9026	0.2928	0.6660
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9538	0.0462	0.9538	0.7746	0.4674
studentap	0.6154	0.2564	0.6154	0.3981	0.5183
student-weekend	0.3385	0.2646	0.3385	0.0577	0.7553
student-workday	0.6094	0.1562	0.6094	0.0178	0.6651
susy10%	0.7565	0.2435	0.7565	0.5044	0.7312
swarm_aligned	0.9963	0.0037	0.9963	0.9913	0.0345
swarm_flocking	0.9667	0.0333	0.9667	0.9334	0.1796
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5569
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9527	0.0086	0.9527	0.9479	0.0615
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8586	0.3353
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.3750	0.2083	0.3750	0.2727	0.1574
tox_171	0.4706	0.2647	0.4706	0.2817	0.4859
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.8293	0.0379	0.8293	0.7874	0.1329
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5785	0.3069
trec23-wc	0.9048	0.0317	0.9048	0.8720	0.1218
trec31-wc	0.9462	0.0154	0.9462	0.9283	0.0573
trec41-wc	0.9205	0.0159	0.9205	0.9023	0.0789
trec45-wc	0.9130	0.0174	0.9130	0.8984	0.0600
tuandromd	0.9843	0.0157	0.9843	0.9519	0.1658
turkish	0.8000	0.1000	0.8000	0.7333	0.2330
tvnews	0.8316	0.1684	0.8316	0.6321	0.6151
urban	0.7910	0.0464	0.7910	0.7550	0.1609
vehicle	0.7857	0.1071	0.7857	0.7041	0.2865
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5000	0.5000	0.5000	-0.1250	0.9835
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5152	0.0882	0.5152	0.4667	0.2639
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.7436	0.0256	0.7436	0.7109	0.1603
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8885	0.0319	0.8885	0.8696	0.0703
watch-gyr10%	0.8869	0.0323	0.8869	0.8678	0.0777
waveform	0.6700	0.2200	0.6700	0.5065	0.5178
web-phishing	0.8519	0.0988	0.8519	0.7447	0.4025
weight-lift	0.7952	0.0819	0.7952	0.7358	0.2372
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0548
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.5094	0.1635	0.5094	0.1990	0.4646
winequality-white	0.4601	0.1543	0.4601	0.0740	0.5776
winnipeg	0.9623	0.0108	0.9623	0.9524	0.0721
yale	0.6250	0.0500	0.6250	0.5966	0.0925
yeast	0.4054	0.1189	0.4054	0.2501	0.3790
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9392	0.0608	0.9392	0.2761	0.6261
zip	0.8989	0.0202	0.8989	0.8866	0.1422
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 117: Detailed results for AsymmBC(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1151	0.0610	0.1151	0.0389	0.5167
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8585	0.1415	0.8585	0.5684	0.5769
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	-0.0938	0.8482
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9930	0.0070	0.9930	0.1572	0.4873
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9555	0.0223	0.9555	0.9149	0.1282
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9346	0.0163	0.9346	0.8927	0.1874
anuran-species	0.9278	0.0144	0.9278	0.9006	0.1818
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6889	0.0479	0.6889	0.5309	0.2410
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7297	0.1434
avila	0.8055	0.0324	0.8055	0.7361	0.1443
balance	0.7903	0.1398	0.7903	0.6313	0.4335
bank	0.9109	0.0891	0.9109	0.5740	0.5959
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6288	0.6224
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9852	0.0010	0.9852	0.1620	0.5443
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1615
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9014	0.1238
card	0.8116	0.1884	0.8116	0.6223	0.6266
cardiotocography	0.7934	0.0413	0.7934	0.7551	0.3213
cardiotocography-nsp	0.9061	0.0626	0.9061	0.7445	0.3896
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6750	0.2167	0.6750	0.3968	0.6433
cas_N6512_cdk_ECFP2	0.5607	0.4393	0.5607	0.0526	0.6098
cdc_diabetes	0.8454	0.1031	0.8454	0.1973	0.4015
census10%	0.9482	0.0518	0.9482	0.3915	0.4820
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9070	0.0930	0.9070	0.8106	0.3522
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.5249	0.6842
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.6429	0.2381	0.6429	0.3255	0.6943
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7778	0.1111	0.7778	0.6562	0.4649
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5000	0.3333	0.5000	0.2800	0.5993
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5510	0.2993	0.5510	0.3057	0.7020
cnae-9	0.8704	0.0288	0.8704	0.8542	0.1161
codon_usage	0.7068	0.0533	0.7068	0.6434	0.4017
coil20	0.7778	0.0222	0.7778	0.7659	0.1315
collins	0.7400	0.0347	0.7400	0.7133	0.1231
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.6774	0.2151	0.6774	0.4746	0.3453
connect-4	0.9837	0.0109	0.9837	0.4761	0.1344
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3729	0.8278
covtype	0.7329	0.0763	0.7329	0.5621	0.3191
covtypeCD	0.9766	0.0234	0.9766	0.9006	0.2376
covtypeT	0.9777	0.0223	0.9777	0.8251	0.3216
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8406	0.0531	0.8406	0.6317	0.2431
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0625	0.0469	0.0625	0.0381	0.1883
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9459	0.0180	0.9459	0.9322	0.0575
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.8167	0.1833	0.8167	0.6333	0.6009
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5393	0.3071	0.5393	0.0063	0.3917
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7291	0.1806	0.7291	0.5316	0.4766
drug-01	0.4096	0.1687	0.4096	0.0538	0.5043
drug-02	0.4947	0.1444	0.4947	0.0323	0.5715
drug-03	0.6702	0.0942	0.6702	0.0012	0.4198
drug-04	0.5106	0.1398	0.5106	0.0742	0.7049
drug-05	0.7128	0.0821	0.7128	0.0282	0.4466
drug-06	0.3936	0.1733	0.3936	0.2334	0.5982
drug-07	0.3936	0.1733	0.3936	-0.0365	0.4693
drug-08	0.4894	0.1459	0.4894	0.0442	0.6233
drug-09	0.8404	0.0456	0.8404	0.0264	0.5553
drug-10	0.5053	0.1413	0.5053	0.0654	0.6444
drug-11	0.8138	0.0532	0.8138	0.0080	0.6140
drug-12	0.7447	0.0729	0.7447	-0.0327	0.6335
drug-13	0.5904	0.1170	0.5904	0.2411	0.5899
drug-14	0.5904	0.1170	0.5904	0.2206	0.5752
drug-15	0.7234	0.0790	0.7234	0.0674	0.6864
drug-16	0.5745	0.1216	0.5745	0.3165	0.4783
drug-17	0.3511	0.1854	0.3511	0.1376	0.6167
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	0.0112	0.4371
drybean	0.9008	0.0283	0.9008	0.8800	0.1587
ecoli	0.7353	0.0662	0.7353	0.6102	0.2165
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2512	0.0936	0.2512	0.1460	0.5962
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6667	0.3333	0.6667	0.0868	0.6536
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.3556	0.5608
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6423	0.5581
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5563	0.3739
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.6423	0.0421	0.6423	0.5987	0.3198
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3000	0.1750	0.3000	0.1139	0.3206
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.5414	0.0060	0.5414	0.5203	0.6810
forest	0.9231	0.0385	0.9231	0.8939	0.1150
gas	0.9367	0.0211	0.9367	0.9234	0.1215
gastrointestinal	0.5625	0.2917	0.5625	0.3672	0.4626
gender	0.5853	0.2765	0.5853	0.0144	0.4719
gene	0.8927	0.0715	0.8927	0.8290	0.2869
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.8095	0.0635	0.8095	0.7415	0.2227
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3548	0.8301
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.6667	0.1078
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4140
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8326	0.0279	0.8326	0.8012	0.1789
har70	0.8780	0.0349	0.8780	0.8236	0.1973
harth10%	0.8446	0.0259	0.8446	0.7868	0.2339
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5761
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.2857	0.1786	0.2857	0.1860	0.3551
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5237	0.6374
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.6944	0.2037	0.6944	0.4575	0.5206
htru2	0.9777	0.0223	0.9777	0.8596	0.2396
ht-sensor	0.7279	0.1814	0.7279	0.5939	0.4369
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0888
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4531	0.0421	0.4531	0.4313	0.3331
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
fvowels	0.7932	0.0460	0.7932	0.7659	0.2741
kc1	0.8531	0.1469	0.8531	0.2727	0.6396
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1478	0.2056
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8289	0.0190	0.8289	0.8089	0.2073
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.6222	0.1259	0.6222	0.4919	0.3184
la2s-wc	0.6589	0.1137	0.6589	0.5437	0.2844
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5000	0.0250	0.5000	0.4783	0.1092
led24	0.5000	0.1000	0.5000	0.4444	0.2462
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8540	0.0112	0.8540	0.8481	0.1647
leukemia	0.5714	0.2857	0.5714	0.4000	0.3025
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5556	0.0593	0.5556	0.5228	0.1974
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5031	0.0903	0.5031	0.3073	0.4740
lrs	0.6981	0.0604	0.6981	0.5943	0.2435
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5102	0.1999
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7586	0.2327
lymphoma2	0.6667	0.0741	0.6667	0.5345	0.0783
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7785	0.2215	0.7785	0.4451	0.5462

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5817	0.6807
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6522	0.4173
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8428	0.1169
meter-D	0.8889	0.0556	0.8889	0.8487	0.1442
mfeat-fac	0.8750	0.0250	0.8750	0.8611	0.1370
mfeat-fou	0.6100	0.0780	0.6100	0.5667	0.3106
mfeat-kar	0.6350	0.0730	0.6350	0.5944	0.3286
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2377
mfeat-pix	0.8550	0.0290	0.8550	0.8389	0.1571
mfeat-zer	0.5950	0.0810	0.5950	0.5500	0.3531
mice-prot	0.7593	0.0602	0.7593	0.7240	0.2249
mines	0.5593	0.1740	0.5597	0.4583	0.4071
mobile	0.4720	0.0189	0.4720	0.4625	0.2383
monks-1	0.7273	0.2727	0.7273	0.4562	0.7625
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6019	0.3981	0.6019	0.0550	0.5430
myocardial	0.8706	0.0324	0.8706	0.4371	0.4089
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.3333	0.1481	0.3333	0.2258	0.1321
ncRNA10%	0.9115	0.0093	0.9115	0.7458	0.4459
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9283	0.0717	0.9283	0.8271	0.3910
NPHA-doctor-visits	0.3889	0.4074	0.3889	-0.0507	0.7878
nursery	0.9946	0.0022	0.9946	0.9921	0.0133
obs	0.8889	0.0556	0.8889	0.8401	0.1235
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9730	0.0432
oh0-wc	0.8614	0.0277	0.8614	0.8404	0.1280
oh10-wc	0.6000	0.0800	0.6000	0.5386	0.3365
oh15-wc	0.6304	0.0739	0.6304	0.5845	0.2814
oh5-wc	0.6593	0.0681	0.6593	0.6119	0.2533
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.8505	0.0299	0.8505	0.8338	0.1816
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.3750	0.0312	0.3750	0.3590	0.1627
orlraws10P	0.6000	0.0800	0.6000	0.5556	0.1003
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9447	0.0553	0.9447	-0.0261	0.6361
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9708	0.0117	0.9708	0.8369	0.2189

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.6765	0.0924	0.6765	0.6195	0.2656
pendigits	0.9390	0.0122	0.9390	0.9322	0.0909
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.7944	0.2056	0.7944	0.5652	0.6136
phy	0.6274	0.3726	0.6274	0.2526	0.7838
pima	0.7105	0.2895	0.7105	0.3871	0.8164
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6682	0.0664	0.6682	0.3839	0.4984
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6308	0.2462	0.6308	0.0033	0.3465
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8193	0.0723	0.8193	0.7736	0.2211
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3939	0.0551	0.3939	0.3293	0.2536
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9314	0.0274	0.9314	0.9072	0.1166
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.6533	0.0533	0.6533	0.5233	0.4299
re1-wc	0.7590	0.0193	0.7590	0.7242	0.2171
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9375	0.0250	0.9375	0.9181	0.0978
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9983	0.0003	0.9983	0.9957	0.0064
satimage	0.8383	0.0539	0.8383	0.7996	0.2481
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.8927	0.1073	0.8927	0.0545	0.5389
scadi	0.7143	0.0816	0.7143	0.6410	0.0842
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.5000	0.5000	0.5000	0.0000	0.7508
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9394	0.0173	0.9394	0.9292	0.0800
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9679	0.0058	0.9679	0.9647	0.0456
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	0.9998	0.0000	0.9998	0.9995	0.0003
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9732	0.1170
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7482	0.0839	0.7482	0.6773	0.2532
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9265	0.0077	0.9265	0.9194	0.0428
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.3019	0.0291	0.3019	0.2606	0.1950
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7600	0.2400	0.7600	0.4852	0.7487
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8884	0.0744	0.8884	0.8193	0.2578
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.8974	0.1026	0.8974	0.2780	0.6749
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8093	0.4129
studentap	0.5385	0.3077	0.5385	0.2909	0.6132
student-weekend	0.2769	0.2892	0.2769	-0.0366	0.7682
student-workday	0.7031	0.1187	0.7031	0.1778	0.4237
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	0.9967	0.0033	0.9967	0.9922	0.0293
swarm_flocking	0.9667	0.0333	0.9667	0.9334	0.1796
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7128
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9073	0.0169	0.9073	0.8978	0.1101
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.5000	0.0941
tox_171	0.7059	0.1471	0.7059	0.5991	0.2510
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.7805	0.0488	0.7805	0.7353	0.2029
trec12-wc	0.8065	0.0484	0.8065	0.7669	0.1363

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6489	0.1802
trec23-wc	0.8571	0.0476	0.8571	0.8085	0.1612
trec31-wc	0.9462	0.0154	0.9462	0.9284	0.0762
trec41-wc	0.9091	0.0182	0.9091	0.8901	0.0863
trec45-wc	0.8696	0.0261	0.8696	0.8463	0.0886
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.6750	0.1625	0.6750	0.5667	0.3424
tvnews	0.8316	0.1684	0.8316	0.6321	0.6151
urban	0.7015	0.0663	0.7015	0.6496	0.2625
vehicle	0.7500	0.1250	0.7500	0.6560	0.2968
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8140	0.1860	0.8140	0.6301	0.5432
vowel	0.3939	0.1102	0.3939	0.3333	0.3328
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.5897	0.0410	0.5897	0.5363	0.2472
warpar10p	0.6154	0.0769	0.6154	0.5695	0.1197
warppie10p	0.7143	0.0571	0.7143	0.6810	0.1256
watch-acc10%	0.9162	0.0239	0.9162	0.9020	0.0824
watch-gyr10%	0.9061	0.0268	0.9061	0.8903	0.0760
waveform	0.6640	0.2240	0.6640	0.4968	0.5233
web-phishing	0.9037	0.0642	0.9037	0.8340	0.3267
weight-lift	0.6163	0.1535	0.6163	0.5169	0.3636
white-clover	0.1667	0.4167	0.1667	-0.3636	0.3096
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0511
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4654	0.1782	0.4654	0.1695	0.5820
winequality-white	0.4397	0.1601	0.4397	0.0342	0.5614
winnipeg	0.9312	0.0197	0.9312	0.9124	0.0927
yale	0.2500	0.1000	0.2500	0.2000	0.2104
yeast	0.5068	0.0986	0.5068	0.3714	0.4520
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.6860	0.0628	0.6860	0.6409	0.2755
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 118: Detailed results for MPSUBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1594	0.0591	0.1576	0.0770	0.5136
abalone19	0.8301	0.1699	0.8301	-0.0139	0.0910
abalone9-18	0.7945	0.2055	0.7945	0.1358	0.4689
accelerometer	0.8578	0.1422	0.8578	0.1345	0.2613
ads	0.9695	0.0305	0.9695	0.8688	0.2443
adult	0.8075	0.1925	0.8075	0.2611	0.3611
AID1284Morered	0.7778	0.2222	0.7778	0.3820	0.6255
AID1284red	0.5278	0.4722	0.5278	-0.0268	0.6304
AID_1431	0.6746	0.3254	0.6746	-0.0070	0.5408
AID1608Morered	0.6214	0.3786	0.6214	-0.0234	0.4221
AID1608red	0.6796	0.3204	0.6796	-0.0436	0.4065
AID_1878	0.4857	0.5143	0.4857	0.0878	0.6266
AID362red	0.9065	0.0935	0.9065	0.0683	0.2746
AID373AID439red	0.8448	0.1552	0.8448	0.0018	0.0031
AID373red	0.9020	0.0980	0.9020	0.0082	0.0249
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.7796	0.2204	0.7796	-0.0060	0.0351
AID600_MACCS	0.4865	0.5135	0.4865	0.0976	0.7064
AID_602330	0.6146	0.3854	0.6146	-0.0803	0.2834
AID604	0.5620	0.4380	0.5620	0.0076	0.0244
AID604AID644_AllRed	0.8791	0.1209	0.8791	0.0090	0.0218
AID644Morered	0.4000	0.6000	0.4000	-0.1111	0.8920
AID644red	0.4500	0.5500	0.4500	-0.0577	0.8950
AID_652128	0.6263	0.2492	0.6263	-0.0041	0.4968
AID687AID721red	0.6739	0.3261	0.6739	0.0006	0.0062
AID687red	0.7269	0.2731	0.7269	0.0050	0.0324
AID688red	0.1600	0.8400	0.1600	-0.0001	0.0406
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.3333	0.6667	0.3333	-0.1250	0.7560
AID746AID1284red	0.7888	0.2112	0.7888	0.0027	0.0135
AID746red	0.2571	0.7429	0.2571	0.0018	0.0284
AID_773	0.4074	0.5926	0.4074	-0.0909	0.5137
AID852_MACCS	0.8769	0.1231	0.8769	0.6688	0.5724
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9213	0.0315	0.9213	0.8506	0.1353
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9499	0.0250	0.9499	0.9068	0.2384
anuran-f-b	0.9944	0.0056	0.9944	0.7474	0.5000
anuran-genus	0.9277	0.0181	0.9277	0.8842	0.2526
anuran-species	0.9361	0.0128	0.9361	0.9118	0.1086
aps-failure	0.9638	0.0362	0.9638	0.4659	0.5068
arcene	0.6000	0.4000	0.6000	0.2593	0.7573
arrhythmia	0.6000	0.0615	0.6000	0.4308	0.2979
auction	0.9755	0.0245	0.9755	0.8950	0.2990
audiology	0.8741	0.0108	0.8548	0.8382	0.0216
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.3000	0.2333	0.3000	0.1617	0.3277
avila	0.8289	0.0285	0.8289	0.7825	0.3153
balance	0.6935	0.2043	0.6935	0.5494	0.3117
bank	0.8623	0.1377	0.8623	0.4853	0.6213
banknote	0.9197	0.0803	0.9197	0.8403	0.2974

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7995	0.2005	0.7995	0.5098	0.4471
basehock	0.9598	0.0402	0.9598	0.9196	0.2061
bio	0.7936	0.2064	0.7936	0.0601	0.1108
biodeg	0.7905	0.2095	0.7905	0.5838	0.6242
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9767	0.0008	0.9802	0.4161	0.1821
block10%	0.9893	0.0107	0.9893	0.4000	0.4454
block10%	0.9893	0.0107	0.9893	0.4000	0.4454
breast-cancer	0.3929	0.6071	0.3929	0.0480	0.6782
breast-cancer-co	0.8182	0.1818	0.8182	0.6452	0.4308
breast-cancer-ma	0.5455	0.4545	0.5455	0.1538	0.5283
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.0723
bridges	0.4000	0.1714	0.4000	0.2683	0.2608
bub10at310k-hg16-17	0.9208	0.0792	0.9208	0.3667	0.5226
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.6045	0.6242
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.5000	0.5000	0.5000	0.1579	0.5288
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9036	0.1837
card	0.7681	0.2319	0.7681	0.5196	0.7249
cardiotocography	0.8545	0.0291	0.8545	0.8285	0.2116
cardiotocography-nsp	0.8122	0.1252	0.8122	0.5822	0.4268
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.5077	0.4196
cas_N6512_cdk_ECFP2	0.5253	0.4747	0.5253	0.1061	0.6840
cdc_diabetes	0.5314	0.3124	0.5314	0.0922	0.5014
census10%	0.6581	0.3419	0.6581	0.1612	0.3362
central-nervous-system	0.5000	0.5000	0.5000	0.1818	0.5239
cervical-B	0.9419	0.0581	0.9419	0.6362	0.5550
cervical-C	0.7326	0.2674	0.7326	-0.0144	0.4424
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9302	0.0698	0.9302	0.5865	0.5624
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9642	0.0358	0.9642	0.0467	0.0698
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2871	0.7837
ci200186.atompair_fp	0.7818	0.2182	0.7818	0.5742	0.5790
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7712	0.4503
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7692	0.4727
ci900367j_MACCS	0.6000	0.4000	0.6000	0.2689	0.7310
cirrhosis	0.5000	0.3333	0.5000	0.2330	0.6216
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.5537	0.2231	0.5537	0.4152	0.4724
climate	0.8704	0.1296	0.8704	0.4000	0.5840
cil_sub_111	0.6667	0.2222	0.6667	0.4000	0.2083
cm1	0.7600	0.2400	0.7600	0.1304	0.6386
cmc	0.4218	0.3855	0.4218	0.1775	0.6553
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0619
codon_usage	0.8051	0.0354	0.8051	0.7677	0.3185
coil20	0.8403	0.0160	0.8403	0.8317	0.0829
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.5862	0.4138	0.5862	0.2301	0.7910
colposcopies-2	0.4483	0.5517	0.4483	0.0043	0.8874
colposcopies-3	0.4828	0.5172	0.4828	0.0803	0.7397
colposcopies-4	0.5862	0.4138	0.5862	0.0387	0.9049

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.5862	0.4138	0.5862	0.1122	0.6872
colposcopies-6	0.5517	0.4483	0.5517	0.1212	0.8434
colposcopies-c	0.4138	0.5862	0.4138	0.0750	0.6409
column-2c	0.9032	0.0968	0.9032	0.7947	0.3833
column-3c	0.8065	0.1290	0.8065	0.6976	0.1878
connect-4	0.9552	0.0299	0.9552	0.4465	0.4972
cottonmeloidogyne	0.5337	0.4663	0.5337	0.0590	0.6081
coupon	0.5804	0.4196	0.5804	0.2090	0.8066
covtype	0.4629	0.1535	0.4629	0.2905	0.4837
covtypeCD	0.8752	0.1248	0.8752	0.6147	0.5361
covtypeT	0.8982	0.1018	0.8982	0.5232	0.5383
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.1697	0.7884
crowdsourced	0.8147	0.0618	0.8147	0.6751	0.4831
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.2500	0.0375	0.2500	0.2274	0.1351
cyclopentane	0.5926	0.4074	0.5926	0.2443	0.5248
cylinder-bands	0.7407	0.2593	0.7407	0.4638	0.7670
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.5023	0.4977	0.5023	0.1330	0.6617
deposit	0.6408	0.3592	0.6408	0.2312	0.4839
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1579	0.4618
dexter	0.9167	0.0833	0.9167	0.8333	0.3549
dhfr_cdk_ECFP2	0.6842	0.3158	0.6842	0.3887	0.7577
diabetes	0.9231	0.0769	0.9231	0.8434	0.3145
diabetic10%	0.3468	0.4355	0.3468	0.0017	0.5304
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.4167	0.5833	0.4167	-0.0500	0.8810
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5054	0.4946	0.5054	0.0361	0.9282
dropout	0.7404	0.1731	0.7404	0.5697	0.5152
drug-01	0.2553	0.2128	0.2553	0.0066	0.8508
drug-02	0.2713	0.2082	0.2713	0.0959	0.7873
drug-03	0.4043	0.1702	0.4043	0.0663	0.6609
drug-04	0.2819	0.2052	0.2819	0.0789	0.7237
drug-05	0.3723	0.1793	0.3723	0.0238	0.7196
drug-06	0.2819	0.2052	0.2819	0.1562	0.6242
drug-07	0.3032	0.1991	0.3032	-0.0291	0.8466
drug-08	0.4309	0.1626	0.4309	0.1029	0.7974
drug-09	0.6702	0.0942	0.6702	0.0273	0.5599
drug-10	0.4415	0.1596	0.4415	0.1142	0.7222
drug-11	0.5957	0.1155	0.5957	0.0663	0.7008
drug-12	0.5532	0.1277	0.5532	0.0772	0.6767
drug-13	0.4574	0.1550	0.4574	0.0806	0.6937
drug-14	0.4521	0.1565	0.4521	0.1351	0.7922
drug-15	0.5532	0.1277	0.5532	0.0991	0.7689
drug-16	0.4415	0.1596	0.4415	0.1950	0.5736
drug-17	0.2500	0.2143	0.2500	0.0982	0.7222
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.4840	0.1474	0.4840	0.0061	0.7500
drybean	0.9037	0.0275	0.9037	0.8834	0.1447
ecoli	0.7647	0.0588	0.7647	0.6773	0.1596
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6043	0.6300
ecoliMU	0.7879	0.2121	0.7879	0.2667	0.5821
ecoliOM	0.9091	0.0909	0.9091	0.3529	0.6260
eeg	0.2792	0.0901	0.2792	0.2123	0.6858
eeg-eye	0.6529	0.3471	0.6529	0.2714	0.8292
EPA_FHM	0.9344	0.0656	0.9344	0.5658	0.5819
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.2529	0.8478
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7070	0.5428
er_tox_rdkit_ATOMPAIR	0.8852	0.1148	0.8852	0.4175	0.4809
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.7213	0.2787	0.7213	0.4398	0.7365
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.8548	0.1452	0.8548	0.5536	0.6279
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_PATTERN	0.9194	0.0806	0.9194	0.8233	0.3610
er_tox_rdkit_RDKITFP	0.6885	0.3115	0.6885	0.3642	0.7514
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	0.5110	0.5170
eucalyptus	0.4658	0.2137	0.4658	0.3457	0.3838
euthyroid	0.9684	0.0316	0.9684	0.8262	0.3705
exon.vs.intron-freq	0.9353	0.0647	0.9353	0.8702	0.3204
fbis-wc	0.7561	0.0287	0.7561	0.7271	0.2490
fda.atompair_fp	0.5455	0.4545	0.5455	-0.0377	0.9115
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.4000	0.1500	0.4000	0.2878	0.3226
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.5241	0.0062	0.5241	0.5048	0.4296
forest	0.8462	0.0769	0.8462	0.7884	0.2316
gas	0.8893	0.0369	0.8893	0.8667	0.1691
gastrointestinal	0.5625	0.2917	0.5625	0.4074	0.3029
gender	0.4779	0.3481	0.4779	0.0262	0.6868
gene	0.9117	0.0589	0.9117	0.8595	0.2174
german	0.6500	0.3500	0.6500	0.0331	0.6884
gina	0.8501	0.1499	0.8501	0.6988	0.4746
glass	0.6190	0.1270	0.6190	0.5102	0.2502
glassBWFP	0.8571	0.1429	0.8571	0.7175	0.4205
glassBWNFP	0.6190	0.3810	0.6190	0.2941	0.7328
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.6875	0.3125	0.6875	0.4286	0.5193
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.6667	0.3333	0.6667	0.1503	0.2820
gli_85	0.3750	0.6250	0.3750	0.0909	0.4711
glioma	0.6000	0.2000	0.6000	0.4737	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6341	0.6286
green	0.4000	0.6000	0.4000	0.0909	0.5000
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3895	0.4190
haberman	0.4000	0.6000	0.4000	-0.1638	0.8747
hapt	0.9131	0.0145	0.9131	0.8975	0.1206
har70	0.6616	0.0967	0.6616	0.5735	0.3038
harth10%	0.6537	0.0577	0.6537	0.5517	0.4056
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.6296	0.3704	0.6296	0.3284	0.5244
heart-c	0.7667	0.2333	0.7667	0.5374	0.6906
hepatitis	0.7333	0.2667	0.7333	0.4444	0.5288

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.4972	0.5028	0.4972	0.0003	0.5287
hERG-121inputs	0.7143	0.2857	0.7143	0.4615	0.5283
hERG-64inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-9inputs	0.9231	0.0769	0.9231	0.8060	0.4011
HIA_desc	0.6000	0.4000	0.6000	0.2593	0.7326
higgs10%	0.5296	0.4704	0.5296	0.0003	0.5232
higher	0.3571	0.1607	0.3571	0.2544	0.2676
hinselmann	0.4000	0.6000	0.4000	-0.0714	0.7225
hiv1-proteasa	0.8027	0.1973	0.8027	0.4976	0.5979
hiva	0.9125	0.0875	0.9125	0.2645	0.5250
horse	0.6111	0.2593	0.6111	0.3580	0.6226
htru2	0.9140	0.0860	0.9140	0.6174	0.5565
ht-sensor	0.8067	0.1289	0.8067	0.7103	0.3526
hypothyroid	0.9841	0.0080	0.9841	0.9101	0.1879
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6610	0.3390	0.6610	0.3545	0.6802
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8177	0.0140	0.8177	0.8104	0.1402
jm1	0.6612	0.3388	0.6612	-0.0203	0.8472
fvowels	0.9237	0.0170	0.9237	0.9138	0.1174
kc1	0.6398	0.3602	0.6398	0.2478	0.5822
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5603	0.0352	0.5626	0.2544	0.2183
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	0.4444	0.5000
kc2	0.5000	0.5000	0.5000	0.0999	0.6872
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.6150	0.0428	0.6150	0.5758	0.3617
krvskp	0.9718	0.0282	0.9718	0.9435	0.1685
la1s-wc	0.8127	0.0624	0.8127	0.7668	0.3055
la2s-wc	0.7781	0.0740	0.7781	0.7285	0.3534
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6719	0.0160	0.6655	0.6616	0.0635
led24	0.5500	0.0900	0.5500	0.4944	0.2053
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8255	0.0134	0.8255	0.8185	0.1510
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6944	0.0407	0.6944	0.6700	0.1070
linkage10%	0.9541	0.0459	0.9541	0.1315	0.1839
liver	0.3824	0.6176	0.3824	0.0272	0.6813
localization	0.3849	0.1118	0.3849	0.2935	0.7112
lrs	0.6792	0.0642	0.6792	0.5697	0.2222
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.9048	0.0381	0.9048	0.8190	0.1639
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5897	0.2192
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.5000	0.1429	0.5000	0.3962	0.1939
lupus	0.5556	0.4444	0.5556	0.1429	0.8961
lymphography	0.0714	0.4643	0.0714	0.0000	0.2997
lymphoma2	0.3333	0.1481	0.3333	-0.0588	0.3505
madelon	0.5000	0.5000	0.5000	0.0000	0.8009
magic04	0.7691	0.2309	0.7691	0.5174	0.7140

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6979	0.3021	0.6979	0.4141	0.5768
MAO_MACCS	0.7143	0.2857	0.7143	0.4615	0.5000
maternal	0.6139	0.2574	0.6139	0.4406	0.4110
messidor	0.5652	0.4348	0.5652	0.1544	0.9104
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.0948
meter-D	0.7778	0.1111	0.7778	0.6923	0.1674
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0610
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1684
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0541
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2299
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0630
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2284
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4118	0.2353	0.4118	0.2633	0.4290
mobile	0.8601	0.0050	0.8601	0.8576	0.0611
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.6557	0.3443	0.6557	0.3838	0.5283
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.6712	0.3288	0.6712	0.3269	0.4928
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	0.9771
mutagen_class_3	0.5652	0.4348	0.5652	0.1375	0.8480
mutagens_ExtendedFingerprinter	0.8235	0.1765	0.8235	0.6471	0.6142
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3469	0.8456
MUT_ci300400a	0.6040	0.3960	0.6040	0.0973	0.7257
MUT_ci300400a_cdk_ECFP2	0.4532	0.5468	0.4532	0.0507	0.5601
myocardial	0.7412	0.0647	0.7412	0.3203	0.6359
naticusdroid	0.9608	0.0392	0.9608	0.9216	0.2197
nci9	0.3333	0.1481	0.3333	0.2258	0.1511
ncRNA10%	0.5340	0.0490	0.5340	0.2869	0.8287
newspop	0.5986	0.4014	0.5986	0.1729	0.8877
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9135	0.0865	0.9135	0.8016	0.4206
NPHA-doctor-visits	0.2778	0.4815	0.2778	0.0617	0.6231
nursery	0.3333	0.2667	0.3333	0.2500	0.1878
obs	0.9537	0.0231	0.9537	0.9322	0.0816
occupancy	0.9562	0.0438	0.9562	0.8841	0.3091
Occupancy_Estimation	0.8825	0.0587	0.8825	0.7126	0.2348
oh0-wc	0.8614	0.0277	0.8614	0.8409	0.1245
oh10-wc	0.7048	0.0590	0.7048	0.6688	0.2418
oh15-wc	0.7609	0.0478	0.7609	0.7314	0.2029
oh5-wc	0.7582	0.0484	0.7582	0.7291	0.2249
opn310k	0.9234	0.0766	0.9234	0.4303	0.5447
opnat310k-hg16-17	0.9257	0.0743	0.9257	0.4629	0.5430
optdigits	0.9484	0.0103	0.9484	0.9426	0.0668
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.4750	0.0262	0.4750	0.4615	0.1005
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9170	0.0830	0.9170	0.3665	0.5119
ozone8hr	0.7510	0.2490	0.7510	0.1795	0.5077
p53-mutants10%	0.9236	0.0764	0.9236	-0.0061	0.0741
page-blocks	0.9598	0.0161	0.9598	0.8036	0.4278

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.8000	0.2000	0.8000	0.5455	0.4011
parkinson	0.9750	0.0250	0.9750	0.9487	0.1507
parkinsons	0.7368	0.2632	0.7368	0.4865	0.5283
particle	0.8774	0.1226	0.8774	0.7061	0.5430
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.8288	0.1712	0.8288	0.3137	0.5442
pcmac	0.5258	0.4742	0.5258	-0.0177	0.9870
pd	0.6842	0.3158	0.6842	0.3924	0.6012
pediatric-leukemia	0.7941	0.0588	0.7941	0.7516	0.2023
pendigits	0.9299	0.0140	0.9299	0.9221	0.0920
period	0.5556	0.4444	0.5556	0.2500	0.5288
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.7732	0.2268	0.7732	0.5021	0.7317
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7857	0.2143	0.7857	0.5727	0.6802
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.6000	0.4000	0.6000	0.2593	0.7573
phishing	0.9551	0.0449	0.9551	0.9077	0.2279
phoneme	0.8000	0.2000	0.8000	0.5613	0.6483
phy	0.5526	0.4474	0.5526	0.1010	0.6566
pima	0.6053	0.3947	0.6053	0.1441	0.9312
plx	0.5556	0.4444	0.5556	0.1910	0.7379
poker	0.2113	0.1577	0.2113	0.0374	0.8996
polish-1st	0.7141	0.2859	0.7141	0.1194	0.2914
polish-2nd	0.7640	0.2360	0.7640	0.0473	0.3487
polish-3rd	0.5686	0.4314	0.5686	0.0767	0.2636
polish-4th	0.7571	0.2429	0.7571	0.1936	0.3951
polish-5th	0.7868	0.2132	0.7868	0.2160	0.5120
polya	0.7070	0.2930	0.7070	0.3013	0.7990
popularity	0.5352	0.3099	0.5352	-0.0059	0.5769
post-operative	0.0000	0.6667	0.0000	0.0000	0.3386
postures	0.9124	0.0350	0.9124	0.8904	0.1293
pred-tox_mutagen_ref-desc	0.5000	0.5000	0.5000	0.0000	0.9074
primary-tumor	0.2121	0.0716	0.2121	0.1377	0.2877
profb	0.6269	0.3731	0.6269	0.1235	0.9205
promoters	0.7000	0.3000	0.7000	0.2857	0.4644
prostate	0.6429	0.3571	0.6429	0.3396	0.5193
prostate_GE	0.8182	0.1818	0.8182	0.6452	0.4308
puc-rio	0.9062	0.0375	0.9062	0.8767	0.2028
pufs-6410%	0.4993	0.5007	0.4993	-0.0008	0.6057
raisin	0.7000	0.3000	0.7000	0.4000	0.4882
re0-wc	0.6800	0.0492	0.6800	0.6173	0.3916
re1-wc	0.7771	0.0178	0.7771	0.7530	0.2652
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9670	0.0504
rocket	0.6096	0.3904	0.6096	0.0660	0.6833
RT_IOT2022	0.9409	0.0098	0.9409	0.8528	0.1213
satimage	0.8320	0.0560	0.8320	0.7957	0.2205
satimageF	0.9020	0.0980	0.9020	0.6347	0.5327
satimageT	0.7978	0.2022	0.7978	0.3931	0.5310
scadi	0.7212	0.0820	0.7034	0.6237	0.1426
schiller	0.3333	0.6667	0.3333	-0.1250	0.7560
schizo	0.5000	0.5000	0.5000	0.0000	0.9074
secom	0.8141	0.1859	0.8141	0.0350	0.5619
secondary_mushroom	0.7539	0.2461	0.7539	0.4784	0.5941
segment	0.9863	0.0076	0.9908	0.9631	0.0347
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8566	0.1434	0.8566	0.1043	0.6266
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8211	0.1789	0.8211	0.1282	0.7679
sens-2-gram	0.8132	0.1868	0.8132	0.2404	0.7399
sens-3-gram	0.7921	0.2079	0.7921	0.2050	0.7382
sens-4-gram	0.2974	0.7026	0.2974	0.0333	0.4061
sensorless	0.9800	0.0036	0.9800	0.9780	0.0310
sepsis	0.5093	0.4907	0.5093	0.0580	0.4238
shoppers	0.8848	0.1152	0.8848	0.4113	0.4537
shuttle	0.9978	0.0006	0.9978	0.9937	0.1692
sick	0.9814	0.0186	0.9814	0.8472	0.2891
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9835	0.0165	0.9835	0.9512	0.1803
smk_can_187	0.5263	0.4737	0.5263	0.0856	0.8107
solar-flare	0.6331	0.1223	0.6331	0.5454	0.3248
sonar	0.4500	0.5500	0.4500	-0.1000	0.8442
soybean	0.9412	0.0062	0.9412	0.9355	0.0336
spambase	0.9174	0.0826	0.9174	0.8289	0.3898
spect	0.5556	0.4444	0.5556	0.1290	0.7404
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.6021	0.0163	0.6053	0.5761	0.0927
splice-EI	0.9338	0.0662	0.9338	0.8372	0.3727
splice-IE	0.9243	0.0757	0.9243	0.8064	0.4219
sport-articles	0.7600	0.2400	0.7600	0.4794	0.7492
squash-stored	0.4000	0.4000	0.4000	0.0625	0.4228
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.6769	0.3231	0.6769	0.3320	0.6504
steel-d	0.9487	0.0513	0.9487	0.4775	0.5415
steel_industry	0.8493	0.1005	0.8493	0.7580	0.3104
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7385	0.2615	0.7385	0.4142	0.7876
steel-p	0.8667	0.1333	0.8667	0.4913	0.5189
steel-s	0.9590	0.0410	0.9590	0.5793	0.5618
steel-z	0.9692	0.0308	0.9692	0.8467	0.3920
studentap	0.5385	0.3077	0.5385	0.3158	0.5606
student-weekend	0.3385	0.2646	0.3385	0.1818	0.6749
student-workday	0.5469	0.1812	0.5469	0.1567	0.7789
susy10%	0.6547	0.3453	0.6547	0.2768	0.7845
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9975	0.0025	0.9975	0.9950	0.0215
swarm_grouped	0.9109	0.0891	0.9109	0.8186	0.3435
tae	0.3333	0.4444	0.3333	0.0000	0.4823
Tdp_desc	0.7222	0.2778	0.7222	0.4079	0.6470
texture	0.9255	0.0136	0.9255	0.9177	0.0771
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7234	0.2766	0.7234	-0.0304	0.7956
Thyroid_Diff	0.8684	0.1316	0.8684	0.6885	0.5617
tic-tac-toe	0.9579	0.0421	0.9579	0.9086	0.2404
tis	0.8564	0.1436	0.8564	0.6025	0.6082
titanic	0.6909	0.3091	0.6909	0.3504	0.8052
tourist	0.1250	0.2917	0.1250	0.0000	0.3260
tox_171	0.7059	0.1471	0.7059	0.5991	0.2146
toxicity	0.7059	0.2941	0.7059	0.3796	0.8113
toxicity-13f	0.6471	0.3529	0.6471	0.3289	0.7561
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.3867	0.6133	0.3867	0.0238	0.6874
trec11-wc	0.6585	0.0759	0.6585	0.6006	0.2286
trec12-wc	0.7419	0.0645	0.7419	0.7044	0.1674

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6921	0.3076
trec23-wc	0.9524	0.0159	0.9524	0.9344	0.0454
trec31-wc	0.9032	0.0277	0.9032	0.8743	0.1510
trec41-wc	0.8750	0.0250	0.8750	0.8500	0.1663
trec45-wc	0.7536	0.0493	0.7536	0.7188	0.1619
tuandromd	0.9798	0.0202	0.9798	0.9386	0.2027
turkish	0.7500	0.1250	0.7500	0.6667	0.1912
tvnews	0.8094	0.1906	0.8094	0.5844	0.6621
urban	0.8060	0.0431	0.8060	0.7731	0.1698
vehicle	0.7262	0.1369	0.7262	0.6196	0.2952
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.5263	0.5112
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.4646	0.0973	0.4646	0.4111	0.2836
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9116	0.0884	0.9116	0.4693	0.6261
wap-wc	0.7372	0.0263	0.7372	0.7110	0.2293
warpar10p	0.6154	0.0769	0.6154	0.5608	0.1496
warppiel0p	0.6667	0.0667	0.6667	0.6231	0.1417
watch-acc10%	0.8404	0.0456	0.8404	0.8136	0.1332
watch-gyr10%	0.8513	0.0425	0.8513	0.8263	0.1140
waveform	0.6700	0.2200	0.6700	0.5050	0.5517
web-phishing	0.7852	0.1432	0.7852	0.6534	0.4333
weight-lift	0.9490	0.0204	0.9490	0.9357	0.1081
white-clover	0.0000	0.5000	0.0000	0.0000	0.2620
wifi-loc	0.9500	0.0250	0.9500	0.9333	0.1061
wilt	0.9337	0.0663	0.9337	0.5594	0.5401
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.4654	0.1782	0.4654	0.2592	0.6662
winequality-white	0.4622	0.1537	0.4622	0.1759	0.7743
winnipeg	0.9798	0.0058	0.9798	0.9744	0.0640
yale	0.6250	0.0500	0.6250	0.5949	0.0909
yeast	0.4122	0.1176	0.4122	0.2737	0.5771
yeastCYT-POX	0.8571	0.1429	0.8571	0.3181	0.4150
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.5866	0.5496
yeastME2	0.8784	0.1216	0.8784	0.0410	0.5623
zip	0.8935	0.0213	0.8935	0.8809	0.1588
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 119: Detailed results for MPSUBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1594	0.0591	0.1576	0.0770	0.5136
abalone19	0.8301	0.1699	0.8301	-0.0139	0.0910
abalone9-18	0.7945	0.2055	0.7945	0.1358	0.4689
accelerometer	0.8578	0.1422	0.8578	0.1345	0.2613
ads	0.9695	0.0305	0.9695	0.8688	0.2443
adult	0.8075	0.1925	0.8075	0.2611	0.3611
AID1284Morered	0.7778	0.2222	0.7778	0.3820	0.6255
AID1284red	0.5278	0.4722	0.5278	-0.0268	0.6304
AID_1431	0.6746	0.3254	0.6746	-0.0070	0.5408
AID1608Morered	0.6214	0.3786	0.6214	-0.0234	0.4221
AID1608red	0.6796	0.3204	0.6796	-0.0436	0.4065
AID_1878	0.4857	0.5143	0.4857	0.0878	0.6266
AID362red	0.9065	0.0935	0.9065	0.0683	0.2746
AID373AID439red	0.8448	0.1552	0.8448	0.0018	0.0031
AID373red	0.9020	0.0980	0.9020	0.0082	0.0249
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.7796	0.2204	0.7796	-0.0060	0.0351
AID600_MACCS	0.4865	0.5135	0.4865	0.0976	0.7064
AID_602330	0.6146	0.3854	0.6146	-0.0803	0.2834
AID604	0.5620	0.4380	0.5620	0.0076	0.0244
AID604AID644_AllRed	0.8791	0.1209	0.8791	0.0090	0.0218
AID644Morered	0.4000	0.6000	0.4000	-0.1111	0.8920
AID644red	0.4500	0.5500	0.4500	-0.0577	0.8950
AID_652128	0.6263	0.2492	0.6263	-0.0041	0.4968
AID687AID721red	0.6739	0.3261	0.6739	0.0006	0.0062
AID687red	0.7269	0.2731	0.7269	0.0050	0.0324
AID688red	0.1600	0.8400	0.1600	-0.0001	0.0406
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.3333	0.6667	0.3333	-0.1250	0.7560
AID746AID1284red	0.7888	0.2112	0.7888	0.0027	0.0135
AID746red	0.2571	0.7429	0.2571	0.0018	0.0284
AID_773	0.4074	0.5926	0.4074	-0.0909	0.5137
AID852_MACCS	0.8769	0.1231	0.8769	0.6688	0.5724
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9213	0.0315	0.9213	0.8506	0.1353
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9499	0.0250	0.9499	0.9068	0.2384
anuran-f-b	0.9944	0.0056	0.9944	0.7474	0.5000
anuran-genus	0.9277	0.0181	0.9277	0.8842	0.2526
anuran-species	0.9361	0.0128	0.9361	0.9118	0.1086
aps-failure	0.9638	0.0362	0.9638	0.4659	0.5068
arcene	0.6000	0.4000	0.6000	0.2593	0.7573
arrhythmia	0.6000	0.0615	0.6000	0.4308	0.2979
auction	0.9755	0.0245	0.9755	0.8950	0.2990
audiology	0.8741	0.0108	0.8548	0.8382	0.0216
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.3000	0.2333	0.3000	0.1617	0.3277
avila	0.8289	0.0285	0.8289	0.7825	0.3153
balance	0.6935	0.2043	0.6935	0.5494	0.3117
bank	0.8623	0.1377	0.8623	0.4853	0.6213
banknote	0.9197	0.0803	0.9197	0.8403	0.2974

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7995	0.2005	0.7995	0.5098	0.4471
basehock	0.9598	0.0402	0.9598	0.9196	0.2061
bio	0.7936	0.2064	0.7936	0.0601	0.1108
biodeg	0.7905	0.2095	0.7905	0.5838	0.6242
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9767	0.0008	0.9802	0.4161	0.1821
block10%	0.9893	0.0107	0.9893	0.4000	0.4454
block10%	0.9893	0.0107	0.9893	0.4000	0.4454
breast-cancer	0.3929	0.6071	0.3929	0.0480	0.6782
breast-cancer-co	0.8182	0.1818	0.8182	0.6452	0.4308
breast-cancer-ma	0.5455	0.4545	0.5455	0.1538	0.5283
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.0723
bridges	0.4000	0.1714	0.4000	0.2683	0.2608
bub10at310k-hg16-17	0.9208	0.0792	0.9208	0.3667	0.5226
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.6045	0.6242
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.5000	0.5000	0.5000	0.1579	0.5288
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9036	0.1837
card	0.7681	0.2319	0.7681	0.5196	0.7249
cardiotocography	0.8545	0.0291	0.8545	0.8285	0.2116
cardiotocography-nsp	0.8122	0.1252	0.8122	0.5822	0.4268
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.5077	0.4196
cas_N6512_cdk_ECFP2	0.5253	0.4747	0.5253	0.1061	0.6840
cdc_diabetes	0.5314	0.3124	0.5314	0.0922	0.5014
census10%	0.6581	0.3419	0.6581	0.1612	0.3362
central-nervous-system	0.5000	0.5000	0.5000	0.1818	0.5239
cervical-B	0.9419	0.0581	0.9419	0.6362	0.5550
cervical-C	0.7326	0.2674	0.7326	-0.0144	0.4424
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9302	0.0698	0.9302	0.5865	0.5624
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9642	0.0358	0.9642	0.0467	0.0698
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2871	0.7837
ci200186.atompair_fp	0.7818	0.2182	0.7818	0.5742	0.5790
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7712	0.4503
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7692	0.4727
ci900367j_MACCS	0.6000	0.4000	0.6000	0.2689	0.7310
cirrhosis	0.5000	0.3333	0.5000	0.2330	0.6216
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.5537	0.2231	0.5537	0.4152	0.4724
climate	0.8704	0.1296	0.8704	0.4000	0.5840
cil_sub_111	0.6667	0.2222	0.6667	0.4000	0.2083
cm1	0.7600	0.2400	0.7600	0.1304	0.6386
cmc	0.4218	0.3855	0.4218	0.1775	0.6553
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0619
codon_usage	0.8051	0.0354	0.8051	0.7677	0.3185
coil20	0.8403	0.0160	0.8403	0.8317	0.0829
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.5862	0.4138	0.5862	0.2301	0.7910
colposcopies-2	0.4483	0.5517	0.4483	0.0043	0.8874
colposcopies-3	0.4828	0.5172	0.4828	0.0803	0.7397
colposcopies-4	0.5862	0.4138	0.5862	0.0387	0.9049

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.5862	0.4138	0.5862	0.1122	0.6872
colposcopies-6	0.5517	0.4483	0.5517	0.1212	0.8434
colposcopies-c	0.4138	0.5862	0.4138	0.0750	0.6409
column-2c	0.9032	0.0968	0.9032	0.7947	0.3833
column-3c	0.8065	0.1290	0.8065	0.6976	0.1878
connect-4	0.9552	0.0299	0.9552	0.4465	0.4972
cottonmeloidogyne	0.5337	0.4663	0.5337	0.0590	0.6081
coupon	0.5804	0.4196	0.5804	0.2090	0.8066
covtype	0.4629	0.1535	0.4629	0.2905	0.4837
covtypeCD	0.8752	0.1248	0.8752	0.6147	0.5361
covtypeT	0.8982	0.1018	0.8982	0.5232	0.5383
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.1697	0.7884
crowdsourced	0.8147	0.0618	0.8147	0.6751	0.4831
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.2500	0.0375	0.2500	0.2274	0.1351
cyclopentane	0.5926	0.4074	0.5926	0.2443	0.5248
cylinder-bands	0.7407	0.2593	0.7407	0.4638	0.7670
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.5023	0.4977	0.5023	0.1330	0.6617
deposit	0.6408	0.3592	0.6408	0.2312	0.4839
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1579	0.4618
dexter	0.9167	0.0833	0.9167	0.8333	0.3549
dhfr_cdk_ECFP2	0.6842	0.3158	0.6842	0.3887	0.7577
diabetes	0.9231	0.0769	0.9231	0.8434	0.3145
diabetic10%	0.3468	0.4355	0.3468	0.0017	0.5304
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.4167	0.5833	0.4167	-0.0500	0.8810
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5054	0.4946	0.5054	0.0361	0.9282
dropout	0.7404	0.1731	0.7404	0.5697	0.5152
drug-01	0.2553	0.2128	0.2553	0.0066	0.8508
drug-02	0.2713	0.2082	0.2713	0.0959	0.7873
drug-03	0.4043	0.1702	0.4043	0.0663	0.6609
drug-04	0.2819	0.2052	0.2819	0.0789	0.7237
drug-05	0.3723	0.1793	0.3723	0.0238	0.7196
drug-06	0.2819	0.2052	0.2819	0.1562	0.6242
drug-07	0.3032	0.1991	0.3032	-0.0291	0.8466
drug-08	0.4309	0.1626	0.4309	0.1029	0.7974
drug-09	0.6702	0.0942	0.6702	0.0273	0.5599
drug-10	0.4415	0.1596	0.4415	0.1142	0.7222
drug-11	0.5957	0.1155	0.5957	0.0663	0.7008
drug-12	0.5532	0.1277	0.5532	0.0772	0.6767
drug-13	0.4574	0.1550	0.4574	0.0806	0.6937
drug-14	0.4521	0.1565	0.4521	0.1351	0.7922
drug-15	0.5532	0.1277	0.5532	0.0991	0.7689
drug-16	0.4415	0.1596	0.4415	0.1950	0.5736
drug-17	0.2500	0.2143	0.2500	0.0982	0.7222
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.4840	0.1474	0.4840	0.0061	0.7500
drybean	0.9037	0.0275	0.9037	0.8834	0.1447
ecoli	0.7647	0.0588	0.7647	0.6773	0.1596
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.6043	0.6300
ecoliMU	0.7879	0.2121	0.7879	0.2667	0.5821
ecoliOM	0.9091	0.0909	0.9091	0.3529	0.6260
eeg	0.2792	0.0901	0.2792	0.2123	0.6858
eeg-eye	0.6529	0.3471	0.6529	0.2714	0.8292
EPA_FHM	0.9344	0.0656	0.9344	0.5658	0.5819
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.2529	0.8478
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7070	0.5428
er_tox_rdkit_ATOMPAIR	0.8852	0.1148	0.8852	0.4175	0.4809
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.7213	0.2787	0.7213	0.4398	0.7365
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.8548	0.1452	0.8548	0.5536	0.6279
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_PATTERN	0.9194	0.0806	0.9194	0.8233	0.3610
er_tox_rdkit_RDKITFP	0.6885	0.3115	0.6885	0.3642	0.7514
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	0.5110	0.5170
eucalyptus	0.4658	0.2137	0.4658	0.3457	0.3838
euthyroid	0.9684	0.0316	0.9684	0.8262	0.3705
exon.vs.intron-freq	0.9353	0.0647	0.9353	0.8702	0.3204
fbis-wc	0.7561	0.0287	0.7561	0.7271	0.2490
fda.atompair_fp	0.5455	0.4545	0.5455	-0.0377	0.9115
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.4000	0.1500	0.4000	0.2878	0.3226
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.5241	0.0062	0.5241	0.5048	0.4296
forest	0.8462	0.0769	0.8462	0.7884	0.2316
gas	0.8893	0.0369	0.8893	0.8667	0.1691
gastrointestinal	0.5625	0.2917	0.5625	0.4074	0.3029
gender	0.4779	0.3481	0.4779	0.0262	0.6868
gene	0.9117	0.0589	0.9117	0.8595	0.2174
german	0.6500	0.3500	0.6500	0.0331	0.6884
gina	0.8501	0.1499	0.8501	0.6988	0.4746
glass	0.6190	0.1270	0.6190	0.5102	0.2502
glassBWFP	0.8571	0.1429	0.8571	0.7175	0.4205
glassBWNFP	0.6190	0.3810	0.6190	0.2941	0.7328
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.6875	0.3125	0.6875	0.4286	0.5193
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.6667	0.3333	0.6667	0.1503	0.2820
gli_85	0.3750	0.6250	0.3750	0.0909	0.4711
glioma	0.6000	0.2000	0.6000	0.4737	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6341	0.6286
green	0.4000	0.6000	0.4000	0.0909	0.5000
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3895	0.4190
haberman	0.4000	0.6000	0.4000	-0.1638	0.8747
hapt	0.9131	0.0145	0.9131	0.8975	0.1206
har70	0.6616	0.0967	0.6616	0.5735	0.3038
harth10%	0.6537	0.0577	0.6537	0.5517	0.4056
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.6296	0.3704	0.6296	0.3284	0.5244
heart-c	0.7667	0.2333	0.7667	0.5374	0.6906
hepatitis	0.7333	0.2667	0.7333	0.4444	0.5288

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.4972	0.5028	0.4972	0.0003	0.5287
hERG-121inputs	0.7143	0.2857	0.7143	0.4615	0.5283
hERG-64inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-9inputs	0.9231	0.0769	0.9231	0.8060	0.4011
HIA_desc	0.6000	0.4000	0.6000	0.2593	0.7326
higgs10%	0.5296	0.4704	0.5296	0.0003	0.5232
higher	0.3571	0.1607	0.3571	0.2544	0.2676
hinselmann	0.4000	0.6000	0.4000	-0.0714	0.7225
hiv1-proteasa	0.8027	0.1973	0.8027	0.4976	0.5979
hiva	0.9125	0.0875	0.9125	0.2645	0.5250
horse	0.6111	0.2593	0.6111	0.3580	0.6226
htru2	0.9140	0.0860	0.9140	0.6174	0.5565
ht-sensor	0.8067	0.1289	0.8067	0.7103	0.3526
hypothyroid	0.9841	0.0080	0.9841	0.9101	0.1879
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6610	0.3390	0.6610	0.3545	0.6802
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8177	0.0140	0.8177	0.8104	0.1402
jm1	0.6612	0.3388	0.6612	-0.0203	0.8472
fvowels	0.9237	0.0170	0.9237	0.9138	0.1174
kc1	0.6398	0.3602	0.6398	0.2478	0.5822
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5603	0.0352	0.5626	0.2544	0.2183
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	0.4444	0.5000
kc2	0.5000	0.5000	0.5000	0.0999	0.6872
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.6150	0.0428	0.6150	0.5758	0.3617
krvskp	0.9718	0.0282	0.9718	0.9435	0.1685
la1s-wc	0.8127	0.0624	0.8127	0.7668	0.3055
la2s-wc	0.7781	0.0740	0.7781	0.7285	0.3534
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6719	0.0160	0.6655	0.6616	0.0635
led24	0.5500	0.0900	0.5500	0.4944	0.2053
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8255	0.0134	0.8255	0.8185	0.1510
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6944	0.0407	0.6944	0.6700	0.1070
linkage10%	0.9541	0.0459	0.9541	0.1315	0.1839
liver	0.3824	0.6176	0.3824	0.0272	0.6813
localization	0.3849	0.1118	0.3849	0.2935	0.7112
lrs	0.6792	0.0642	0.6792	0.5697	0.2222
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.9048	0.0381	0.9048	0.8190	0.1639
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5897	0.2192
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.5000	0.1429	0.5000	0.3962	0.1939
lupus	0.5556	0.4444	0.5556	0.1429	0.8961
lymphography	0.0714	0.4643	0.0714	0.0000	0.2997
lymphoma2	0.3333	0.1481	0.3333	-0.0588	0.3505
madelon	0.5000	0.5000	0.5000	0.0000	0.8009
magic04	0.7691	0.2309	0.7691	0.5174	0.7140

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6979	0.3021	0.6979	0.4141	0.5768
MAO_MACCS	0.7143	0.2857	0.7143	0.4615	0.5000
maternal	0.6139	0.2574	0.6139	0.4406	0.4110
messidor	0.5652	0.4348	0.5652	0.1544	0.9104
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.0948
meter-D	0.7778	0.1111	0.7778	0.6923	0.1674
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0610
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1684
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0541
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2299
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0630
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2284
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4118	0.2353	0.4118	0.2633	0.4290
mobile	0.8601	0.0050	0.8601	0.8576	0.0611
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.6557	0.3443	0.6557	0.3838	0.5283
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.6712	0.3288	0.6712	0.3269	0.4928
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	0.9771
mutagen_class_3	0.5652	0.4348	0.5652	0.1375	0.8480
mutagens_ExtendedFingerprinter	0.8235	0.1765	0.8235	0.6471	0.6142
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3469	0.8456
MUT_ci300400a	0.6040	0.3960	0.6040	0.0973	0.7257
MUT_ci300400a_cdk_ECFP2	0.4532	0.5468	0.4532	0.0507	0.5601
myocardial	0.7412	0.0647	0.7412	0.3203	0.6359
naticusdroid	0.9608	0.0392	0.9608	0.9216	0.2197
nci9	0.3333	0.1481	0.3333	0.2258	0.1511
ncRNA10%	0.5340	0.0490	0.5340	0.2869	0.8287
newspop	0.5986	0.4014	0.5986	0.1729	0.8877
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9135	0.0865	0.9135	0.8016	0.4206
NPHA-doctor-visits	0.2778	0.4815	0.2778	0.0617	0.6231
nursery	0.3333	0.2667	0.3333	0.2500	0.1878
obs	0.9537	0.0231	0.9537	0.9322	0.0816
occupancy	0.9562	0.0438	0.9562	0.8841	0.3091
Occupancy_Estimation	0.8825	0.0587	0.8825	0.7126	0.2348
oh0-wc	0.8614	0.0277	0.8614	0.8409	0.1245
oh10-wc	0.7048	0.0590	0.7048	0.6688	0.2418
oh15-wc	0.7609	0.0478	0.7609	0.7314	0.2029
oh5-wc	0.7582	0.0484	0.7582	0.7291	0.2249
opn310k	0.9234	0.0766	0.9234	0.4303	0.5447
opnat310k-hg16-17	0.9257	0.0743	0.9257	0.4629	0.5430
optdigits	0.9484	0.0103	0.9484	0.9426	0.0668
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.4750	0.0262	0.4750	0.4615	0.1005
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9170	0.0830	0.9170	0.3665	0.5119
ozone8hr	0.7510	0.2490	0.7510	0.1795	0.5077
p53-mutants10%	0.9236	0.0764	0.9236	-0.0061	0.0741
page-blocks	0.9598	0.0161	0.9598	0.8036	0.4278

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.8000	0.2000	0.8000	0.5455	0.4011
parkinson	0.9750	0.0250	0.9750	0.9487	0.1507
parkinsons	0.7368	0.2632	0.7368	0.4865	0.5283
particle	0.8774	0.1226	0.8774	0.7061	0.5430
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.8288	0.1712	0.8288	0.3137	0.5442
pcmac	0.5258	0.4742	0.5258	-0.0177	0.9870
pd	0.6842	0.3158	0.6842	0.3924	0.6012
pediatric-leukemia	0.7941	0.0588	0.7941	0.7516	0.2023
pendigits	0.9299	0.0140	0.9299	0.9221	0.0920
period	0.5556	0.4444	0.5556	0.2500	0.5288
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.7732	0.2268	0.7732	0.5021	0.7317
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7857	0.2143	0.7857	0.5727	0.6802
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.6000	0.4000	0.6000	0.2593	0.7573
phishing	0.9551	0.0449	0.9551	0.9077	0.2279
phoneme	0.8000	0.2000	0.8000	0.5613	0.6483
phy	0.5526	0.4474	0.5526	0.1010	0.6566
pima	0.6053	0.3947	0.6053	0.1441	0.9312
plx	0.5556	0.4444	0.5556	0.1910	0.7379
poker	0.2113	0.1577	0.2113	0.0374	0.8996
polish-1st	0.7141	0.2859	0.7141	0.1194	0.2914
polish-2nd	0.7640	0.2360	0.7640	0.0473	0.3487
polish-3rd	0.5686	0.4314	0.5686	0.0767	0.2636
polish-4th	0.7571	0.2429	0.7571	0.1936	0.3951
polish-5th	0.7868	0.2132	0.7868	0.2160	0.5120
polya	0.7070	0.2930	0.7070	0.3013	0.7990
popularity	0.5352	0.3099	0.5352	-0.0059	0.5769
post-operative	0.0000	0.6667	0.0000	0.0000	0.3386
postures	0.9124	0.0350	0.9124	0.8904	0.1293
pred-tox_mutagen_ref-desc	0.5000	0.5000	0.5000	0.0000	0.9074
primary-tumor	0.2121	0.0716	0.2121	0.1377	0.2877
profb	0.6269	0.3731	0.6269	0.1235	0.9205
promoters	0.7000	0.3000	0.7000	0.2857	0.4644
prostate	0.6429	0.3571	0.6429	0.3396	0.5193
prostate_GE	0.8182	0.1818	0.8182	0.6452	0.4308
puc-rio	0.9062	0.0375	0.9062	0.8767	0.2028
pufs-6410%	0.4993	0.5007	0.4993	-0.0008	0.6057
raisin	0.7000	0.3000	0.7000	0.4000	0.4882
re0-wc	0.6800	0.0492	0.6800	0.6173	0.3916
re1-wc	0.7771	0.0178	0.7771	0.7530	0.2652
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9670	0.0504
rocket	0.6096	0.3904	0.6096	0.0660	0.6833
RT_IOT2022	0.9409	0.0098	0.9409	0.8528	0.1213
satimage	0.8320	0.0560	0.8320	0.7957	0.2205
satimageF	0.9020	0.0980	0.9020	0.6347	0.5327
satimageT	0.7978	0.2022	0.7978	0.3931	0.5310
scadi	0.7212	0.0820	0.7034	0.6237	0.1426
schiller	0.3333	0.6667	0.3333	-0.1250	0.7560
schizo	0.5000	0.5000	0.5000	0.0000	0.9074
secom	0.8141	0.1859	0.8141	0.0350	0.5619
secondary_mushroom	0.7539	0.2461	0.7539	0.4784	0.5941
segment	0.9863	0.0076	0.9908	0.9631	0.0347
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8566	0.1434	0.8566	0.1043	0.6266
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8211	0.1789	0.8211	0.1282	0.7679
sens-2-gram	0.8132	0.1868	0.8132	0.2404	0.7399
sens-3-gram	0.7921	0.2079	0.7921	0.2050	0.7382
sens-4-gram	0.2974	0.7026	0.2974	0.0333	0.4061
sensorless	0.9800	0.0036	0.9800	0.9780	0.0310
sepsis	0.5093	0.4907	0.5093	0.0580	0.4238
shoppers	0.8848	0.1152	0.8848	0.4113	0.4537
shuttle	0.9978	0.0006	0.9978	0.9937	0.1692
sick	0.9814	0.0186	0.9814	0.8472	0.2891
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9835	0.0165	0.9835	0.9512	0.1803
smk_can_187	0.5263	0.4737	0.5263	0.0856	0.8107
solar-flare	0.6331	0.1223	0.6331	0.5454	0.3248
sonar	0.4500	0.5500	0.4500	-0.1000	0.8442
soybean	0.9412	0.0062	0.9412	0.9355	0.0336
spambase	0.9174	0.0826	0.9174	0.8289	0.3898
spect	0.5556	0.4444	0.5556	0.1290	0.7404
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.6021	0.0163	0.6053	0.5761	0.0927
splice-EI	0.9338	0.0662	0.9338	0.8372	0.3727
splice-IE	0.9243	0.0757	0.9243	0.8064	0.4219
sport-articles	0.7600	0.2400	0.7600	0.4794	0.7492
squash-stored	0.4000	0.4000	0.4000	0.0625	0.4228
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.6769	0.3231	0.6769	0.3320	0.6504
steel-d	0.9487	0.0513	0.9487	0.4775	0.5415
steel_industry	0.8493	0.1005	0.8493	0.7580	0.3104
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7385	0.2615	0.7385	0.4142	0.7876
steel-p	0.8667	0.1333	0.8667	0.4913	0.5189
steel-s	0.9590	0.0410	0.9590	0.5793	0.5618
steel-z	0.9692	0.0308	0.9692	0.8467	0.3920
studentap	0.5385	0.3077	0.5385	0.3158	0.5606
student-weekend	0.3385	0.2646	0.3385	0.1818	0.6749
student-workday	0.5469	0.1812	0.5469	0.1567	0.7789
susy10%	0.6547	0.3453	0.6547	0.2768	0.7845
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9975	0.0025	0.9975	0.9950	0.0215
swarm_grouped	0.9109	0.0891	0.9109	0.8186	0.3435
tae	0.3333	0.4444	0.3333	0.0000	0.4823
Tdp_desc	0.7222	0.2778	0.7222	0.4079	0.6470
texture	0.9255	0.0136	0.9255	0.9177	0.0771
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7234	0.2766	0.7234	-0.0304	0.7956
Thyroid_Diff	0.8684	0.1316	0.8684	0.6885	0.5617
tic-tac-toe	0.9579	0.0421	0.9579	0.9086	0.2404
tis	0.8564	0.1436	0.8564	0.6025	0.6082
titanic	0.6909	0.3091	0.6909	0.3504	0.8052
tourist	0.1250	0.2917	0.1250	0.0000	0.3260
tox_171	0.7059	0.1471	0.7059	0.5991	0.2146
toxicity	0.7059	0.2941	0.7059	0.3796	0.8113
toxicity-13f	0.6471	0.3529	0.6471	0.3289	0.7561
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.3867	0.6133	0.3867	0.0238	0.6874
trec11-wc	0.6585	0.0759	0.6585	0.6006	0.2286
trec12-wc	0.7419	0.0645	0.7419	0.7044	0.1674

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6921	0.3076
trec23-wc	0.9524	0.0159	0.9524	0.9344	0.0454
trec31-wc	0.9032	0.0277	0.9032	0.8743	0.1510
trec41-wc	0.8750	0.0250	0.8750	0.8500	0.1663
trec45-wc	0.7536	0.0493	0.7536	0.7188	0.1619
tuandromd	0.9798	0.0202	0.9798	0.9386	0.2027
turkish	0.7500	0.1250	0.7500	0.6667	0.1912
tvnews	0.8094	0.1906	0.8094	0.5844	0.6621
urban	0.8060	0.0431	0.8060	0.7731	0.1698
vehicle	0.7262	0.1369	0.7262	0.6196	0.2952
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.5263	0.5112
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.4646	0.0973	0.4646	0.4111	0.2836
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9116	0.0884	0.9116	0.4693	0.6261
wap-wc	0.7372	0.0263	0.7372	0.7110	0.2293
warpar10p	0.6154	0.0769	0.6154	0.5608	0.1496
warppiel0p	0.6667	0.0667	0.6667	0.6231	0.1417
watch-acc10%	0.8404	0.0456	0.8404	0.8136	0.1332
watch-gyr10%	0.8513	0.0425	0.8513	0.8263	0.1140
waveform	0.6700	0.2200	0.6700	0.5050	0.5517
web-phishing	0.7852	0.1432	0.7852	0.6534	0.4333
weight-lift	0.9490	0.0204	0.9490	0.9357	0.1081
white-clover	0.0000	0.5000	0.0000	0.0000	0.2620
wifi-loc	0.9500	0.0250	0.9500	0.9333	0.1061
wilt	0.9337	0.0663	0.9337	0.5594	0.5401
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.4654	0.1782	0.4654	0.2592	0.6662
winequality-white	0.4622	0.1537	0.4622	0.1759	0.7743
winnipeg	0.9798	0.0058	0.9798	0.9744	0.0640
yale	0.6250	0.0500	0.6250	0.5949	0.0909
yeast	0.4122	0.1176	0.4122	0.2737	0.5771
yeastCYT-POX	0.8571	0.1429	0.8571	0.3181	0.4150
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.5866	0.5496
yeastME2	0.8784	0.1216	0.8784	0.0410	0.5623
zip	0.8935	0.0213	0.8935	0.8809	0.1588
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 120: Detailed results for CUSBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1612	0.0586	0.1613	0.0747	0.5213
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9709	0.0291	0.9709	0.0647	0.5872
ads	0.9634	0.0366	0.9634	0.8483	0.3266
adult	0.8569	0.1431	0.8569	0.5688	0.5908
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7905	0.2095	0.7905	0.0625	0.7749
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7027	0.2973	0.7027	0.3767	0.8248
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9966	0.0034	0.9966	0.0570	0.0159
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8889	0.0741	0.8889	0.1439	0.1376
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9882	0.0118	0.9882	-0.0040	0.5155
AID721morered	0.2222	0.7778	0.2222	-0.4651	0.7939
AID721red	0.5556	0.4444	0.5556	0.0526	0.7987
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9900	0.0100	0.9900	0.0273	0.5531
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8615	0.1385	0.8615	0.5806	0.5911
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.8764	0.0494	0.8764	0.7777	0.1658
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9847	0.0076	0.9847	0.9707	0.0380
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9291	0.0177	0.9291	0.8801	0.1445
anuran-species	0.9681	0.0064	0.9681	0.9554	0.0397
aps-failure	0.9883	0.0117	0.9883	0.5953	0.3389
arcene	0.7500	0.2500	0.7500	0.4681	0.7547
arrhythmia	0.7556	0.0376	0.7556	0.6183	0.2843
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8705	0.0110	0.8910	0.8547	0.0223
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.7585	0.0402	0.7585	0.7038	0.1260
balance	0.8548	0.0968	0.8548	0.7251	0.2029
bank	0.9000	0.1000	0.9000	0.5728	0.6050
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8479	0.1521	0.8479	0.6494	0.5047
basehock	0.8744	0.1256	0.8744	0.7490	0.3900
bio	0.9958	0.0042	0.9958	0.7244	0.2425
biodeg	0.8952	0.1048	0.8952	0.7789	0.4599
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9714	0.0008	0.9722	0.4220	0.1874
block10%	0.9998	0.0002	0.9998	0.9670	0.1276
block10%	0.9998	0.0002	0.9998	0.9670	0.1276
breast-cancer	0.6071	0.3929	0.6071	0.0000	0.9341
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.1270	0.8754
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9132	0.0868	0.9132	0.1000	0.2858
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9828	0.0086	0.9828	0.9628	0.0942
card	0.7681	0.2319	0.7681	0.5241	0.7264
cardiotocography	0.8498	0.0300	0.8498	0.8189	0.1716
cardiotocography-nsp	0.9296	0.0469	0.9296	0.7926	0.2251
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6355	0.4736
cas_N6512_cdk_ECFP2	0.4839	0.5161	0.4839	0.0356	0.6574
cdc_diabetes	0.8152	0.1232	0.8152	0.3125	0.4100
census10%	0.9352	0.0648	0.9352	0.4049	0.6123
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9419	0.0581	0.9419	0.2712	0.1529
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9767	0.0233	0.9767	0.6560	0.0768
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9997	0.0003	0.9997	0.8198	0.2270
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6644	0.5721
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3069	0.8569
cirrhosis	0.7857	0.1429	0.7857	0.5724	0.3651
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8176	0.0912	0.8176	0.7182	0.3083
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.5000	0.3333	0.5000	0.1818	0.4294
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5442	0.3039	0.5442	0.3068	0.6934
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0821
codon_usage	0.8642	0.0247	0.8642	0.8339	0.1770
coil20	0.9236	0.0076	0.9236	0.9196	0.0413
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.6552	0.3448	0.6552	0.2714	0.8634
colposcopies-2	0.5862	0.4138	0.5862	0.0890	0.9496
colposcopies-3	0.6552	0.3448	0.6552	0.3527	0.6955
colposcopies-4	0.7241	0.2759	0.7241	0.3095	0.8231

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.7241	0.2759	0.7241	0.4528	0.7375
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8387	0.1613	0.8387	0.6210	0.6099
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9916	0.0056	0.9916	0.7725	0.0662
cottonmeloidogyne	0.6010	0.3990	0.6010	0.2072	0.6884
coupon	0.6814	0.3186	0.6814	0.3665	0.8252
covtype	0.7001	0.0857	0.7001	0.5146	0.3213
covtypeCD	0.9732	0.0268	0.9732	0.8845	0.2503
covtypeT	0.9681	0.0319	0.9681	0.7696	0.4413
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9032	0.0323	0.9032	0.7899	0.1780
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3438	0.0328	0.3438	0.3233	0.1165
cyclopentane	0.7407	0.2593	0.7407	0.4793	0.7616
cylinder-bands	0.5926	0.4074	0.5926	0.2276	0.8198
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8107	0.1893	0.8107	0.4093	0.7234
deposit	0.8859	0.1141	0.8859	0.4971	0.6437
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2000	0.5046
dexter	0.7500	0.2500	0.7500	0.5000	0.4644
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5000	0.6381
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.3536	0.4309	0.3536	0.0024	0.4049
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.0986	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.4752	0.5248	0.4752	0.0042	0.5550
dropout	0.6749	0.2167	0.6749	0.4769	0.5964
drug-01	0.2713	0.2082	0.2713	-0.0200	0.4716
drug-02	0.5053	0.1413	0.5053	0.0771	0.5597
drug-03	0.6489	0.1003	0.6489	-0.0160	0.3265
drug-04	0.4894	0.1459	0.4894	0.0414	0.6128
drug-05	0.7181	0.0805	0.7181	-0.0009	0.2745
drug-06	0.3138	0.1960	0.3138	0.1500	0.6818
drug-07	0.3617	0.1824	0.3617	0.0038	0.3296
drug-08	0.5266	0.1353	0.5266	0.0982	0.4845
drug-09	0.8404	0.0456	0.8404	-0.0048	0.2514
drug-10	0.5053	0.1413	0.5053	0.0345	0.5169
drug-11	0.8511	0.0426	0.8511	0.0799	0.2199
drug-12	0.7713	0.0654	0.7713	-0.0254	0.4462
drug-13	0.5851	0.1185	0.5851	0.1683	0.4281
drug-14	0.6011	0.1140	0.6011	0.2421	0.4538
drug-15	0.7340	0.0760	0.7340	0.0240	0.4168
drug-16	0.5266	0.1353	0.5266	0.1739	0.5023
drug-17	0.3670	0.1809	0.3670	0.1437	0.6116
drug-18	1.0000	0.0022	1.0000	0.0000	0.0077
drug-19	0.7340	0.0760	0.7340	-0.0138	0.4434
drybean	0.8927	0.0307	0.8927	0.8708	0.1462
ecoli	0.8139	0.0433	0.8437	0.7523	0.1121
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.3529	0.6260
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2849	0.0894	0.2849	0.2169	0.4960
eeg-eye	0.5007	0.4993	0.5007	0.0842	0.5500
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.3011	0.6736
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5402	0.6695
er_tox_rdkit_ATOMPAIR	0.9836	0.0164	0.9836	0.7918	0.0587
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6894	0.4884
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.2994	0.6280
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7377	0.2623	0.7377	0.3892	0.7909
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.5890	0.1644	0.5890	0.4626	0.3752
euthyroid	0.9620	0.0380	0.9620	0.7651	0.3200
exon.vs.intron-freq	0.8907	0.1093	0.8907	0.7820	0.4367
fbis-wc	0.8049	0.0230	0.8049	0.7776	0.1425
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6662	0.0861	0.6578	0.5579	0.1913
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4869	0.0066	0.4851	0.4626	0.2797
forest	0.9038	0.0481	0.9038	0.8667	0.0957
gas	0.9907	0.0031	0.9907	0.9887	0.0241
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.3537	0.4309	0.3537	0.0208	0.6161
gene	0.9211	0.0526	0.9211	0.8744	0.2115
german	0.6500	0.3500	0.6500	0.0789	0.8108
gina	0.7925	0.2075	0.7925	0.5839	0.6661
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9091	0.0909	0.9091	0.4500	0.6330
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8452	0.1548	0.8452	0.6829	0.5779
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4487
haberman	0.8000	0.2000	0.8000	0.3919	0.6386
hapt	0.9414	0.0098	0.9414	0.9308	0.0665
har70	0.9161	0.0232	0.9172	0.8907	0.1165
harth10%	0.8544	0.0243	0.8544	0.8009	0.1682
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8000	0.2000	0.8000	0.5982	0.6654
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7903	0.2097	0.7903	0.5799	0.6021
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2105	0.8520
higgs10%	0.4705	0.5295	0.4705	0.0000	0.5309
higher	0.5000	0.1250	0.5000	0.3951	0.1926
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8668	0.1332	0.8668	0.4161	0.5771
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.6667	0.2222	0.6667	0.4000	0.5440
htru2	0.9609	0.0391	0.9609	0.7773	0.4359
ht-sensor	0.6732	0.2179	0.6732	0.5195	0.3649
hypothyroid	0.9805	0.0040	0.9771	0.9614	0.0856
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7458	0.2542	0.7458	0.2324	0.6991
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8716	0.0099	0.8716	0.8665	0.1018
jm1	0.8072	0.1928	0.8072	0.0355	0.4643
jvowels	0.9769	0.0051	0.9769	0.9738	0.0418
kc1	0.8436	0.1564	0.8436	0.2499	0.6882
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5832	0.0359	0.5649	0.2562	0.2190
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2394	0.7582
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8727	0.0141	0.8727	0.8582	0.1337
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8444	0.0519	0.8444	0.8026	0.2172
la2s-wc	0.8477	0.0508	0.8477	0.8060	0.2005
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.6637	0.0161	0.6842	0.6579	0.0622
led24	0.5500	0.0900	0.5500	0.4915	0.2008
lenses	0.9882	0.0000	0.9936	1.0000	0.0000
letter	0.9475	0.0040	0.9475	0.9454	0.0596
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8210	0.0654
linkage10%	0.9992	0.0008	0.9992	0.8832	0.0269
liver	0.5294	0.4706	0.5294	0.1631	0.7675
localization	0.5400	0.0836	0.5400	0.4061	0.4114
lrs	0.8014	0.0383	0.8006	0.7401	0.1356
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5266	0.2752
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6800	0.1038
lupus	0.6667	0.3333	0.6667	0.3077	0.8482
lymphography	0.8545	0.0729	0.8746	0.7637	0.1585
lymphoma2	0.8923	0.0245	0.8786	0.8419	0.0299
madelon	0.5115	0.4885	0.5115	0.0231	0.6959
magic04	0.7370	0.2630	0.7370	0.3166	0.5642

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4859	0.7121
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7921	0.1386	0.7921	0.6883	0.3741
messidor	0.6174	0.3826	0.6174	0.2688	0.8027
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9350	0.0130	0.9350	0.9278	0.0697
mfeat-fou	0.7750	0.0450	0.7750	0.7500	0.1863
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0601
mfeat-mor	0.7300	0.0540	0.7300	0.7000	0.2054
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0502
mfeat-zer	0.8000	0.0400	0.8000	0.7778	0.1412
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4074	0.4670
mobile	0.8636	0.0049	0.8636	0.8612	0.0558
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.9975	0.0025	0.9975	0.9951	0.0219
musk	0.8970	0.1030	0.8970	0.4581	0.2367
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.8875
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.6634
mutagen_class_3	0.4783	0.5217	0.4783	-0.0299	0.7527
mutagens_ExtendedFingerprinter	0.6029	0.3971	0.6029	0.2059	0.6402
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.1858	0.9253
MUT_ci300400a	0.6830	0.3170	0.6830	0.3877	0.7515
MUT_ci300400a_cdk_ECFP2	0.4329	0.5671	0.4329	0.0211	0.5599
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9523	0.0477	0.9523	0.9045	0.2535
nci9	0.6633	0.0751	0.6784	0.6231	0.0443
ncRNA10%	0.9105	0.0094	0.9105	0.7382	0.3497
newspop	0.4685	0.5315	0.4685	0.0013	0.5359
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9315	0.0685	0.9315	0.8348	0.3798
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0015	0.7836
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9893	0.0107	0.9893	0.9699	0.1058
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0130
oh0-wc	0.8812	0.0238	0.8812	0.8637	0.1090
oh10-wc	0.7619	0.0476	0.7619	0.7268	0.2196
oh15-wc	0.8804	0.0239	0.8804	0.8641	0.1182
oh5-wc	0.7802	0.0440	0.7802	0.7502	0.1704
opn310k	0.9113	0.0887	0.9113	0.0697	0.3028
opnat310k-hg16-17	0.9118	0.0882	0.9118	0.0846	0.3135
optdigits	0.9715	0.0057	0.9715	0.9683	0.0400
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.5750	0.0213	0.5750	0.5641	0.0783
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9671	0.0132	0.9671	0.8025	0.1724

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8676	0.1324	0.8676	0.6808	0.5681
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.4227	0.5773	0.4227	0.0074	0.5276
pd	0.9211	0.0789	0.9211	0.7736	0.3429
pediatric-leukemia	0.7647	0.0672	0.7647	0.7063	0.1806
pendigits	0.9800	0.0040	0.9800	0.9777	0.0318
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.7526	0.2474	0.7526	0.4794	0.7382
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6697	0.5449
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.5500	0.4500	0.5500	0.1176	0.9262
phishing	0.9796	0.0204	0.9796	0.9574	0.1428
phoneme	0.7556	0.2444	0.7556	0.4890	0.6686
phy	0.6344	0.3656	0.6344	0.2708	0.7808
pima	0.7237	0.2763	0.7237	0.3667	0.6931
plx	0.5556	0.4444	0.5556	0.0137	0.9013
poker	0.7609	0.0478	0.7609	0.5713	0.2480
polish-1st	0.9531	0.0469	0.9531	0.1734	0.5958
polish-2nd	0.9499	0.0501	0.9499	0.0188	0.5968
polish-3rd	0.9381	0.0619	0.9381	0.0580	0.6278
polish-4th	0.9480	0.0520	0.9480	0.4361	0.5772
polish-5th	0.9475	0.0525	0.9475	0.5239	0.4952
polya	0.4162	0.5838	0.4162	0.0631	0.5636
popularity	0.6275	0.2483	0.6275	0.0016	0.3878
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9239	0.0304	0.9239	0.9049	0.1292
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.8947
primary-tumor	0.4298	0.0523	0.4341	0.3493	0.2317
profb	0.7612	0.2388	0.7612	0.4322	0.7544
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9700	0.0120	0.9700	0.9597	0.0486
pufs-6410%	0.5036	0.4964	0.5036	0.0075	0.9434
raisin	0.8222	0.1778	0.8222	0.6444	0.6119
re0-wc	0.7733	0.0349	0.7733	0.7080	0.2476
re1-wc	0.7530	0.0198	0.7530	0.7198	0.2257
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9500	0.0200	0.9500	0.9334	0.0328
rocket	0.5312	0.4688	0.5312	0.1759	0.5488
RT_IOT2022	0.9919	0.0014	0.9919	0.9796	0.0086
satimage	0.8958	0.0347	0.8958	0.8716	0.1686
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8849	0.1151	0.8849	-0.0252	0.5960
scadi	0.7092	0.0807	0.7016	0.6273	0.1427
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	0.6717	0.3283	0.6717	0.3797	0.5421
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8953	0.1047	0.8953	0.1260	0.6775
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8368	0.1632	0.8368	-0.0279	0.7366
sens-2-gram	0.8579	0.1421	0.8579	0.0587	0.6232
sens-3-gram	0.8526	0.1474	0.8526	-0.0019	0.6363
sens-4-gram	0.8447	0.1553	0.8447	0.0097	0.7055
sensorless	0.9853	0.0027	0.9853	0.9838	0.0196
sepsis	0.9086	0.0914	0.9086	0.0067	0.2915
shoppers	0.8873	0.1127	0.8873	0.4922	0.5657
shuttle	0.9988	0.0003	0.9988	0.9966	0.0259
sick	0.9708	0.0292	0.9708	0.7171	0.2170
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0080
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7698	0.0767	0.7698	0.7045	0.1578
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.8826	0.1174	0.8826	0.7531	0.4870
spect	0.8148	0.1852	0.8148	0.2373	0.3439
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6085	0.0164	0.6035	0.5707	0.0958
splice-EI	0.9748	0.0252	0.9748	0.9342	0.2081
splice-IE	0.9495	0.0505	0.9495	0.8640	0.3386
sport-articles	0.7400	0.2600	0.7400	0.4718	0.7423
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.1238	0.6720
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8876	0.0750	0.8876	0.8173	0.2443
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7026	0.2974	0.7026	0.2231	0.6987
steel-p	0.9128	0.0872	0.9128	0.2773	0.6264
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9104	0.1831
studentap	0.6923	0.2051	0.6923	0.5273	0.4182
student-weekend	0.3538	0.2585	0.3538	0.0927	0.7482
student-workday	0.7031	0.1187	0.7031	0.1026	0.4027
susy10%	0.7523	0.2477	0.7523	0.5007	0.7479
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6840
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9800	0.0036	0.9800	0.9779	0.0298
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.1671	0.6222
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8729	0.1272	0.8729	0.6310	0.5346
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7684	0.0842	0.7672	0.6385	0.0778
tox_171	0.8235	0.0882	0.8235	0.7639	0.2059
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	-0.1165	0.8781
trec11-wc	0.9024	0.0217	0.9024	0.8794	0.0685
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7067	0.0718
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9430	0.0455
trec41-wc	0.7386	0.0523	0.7386	0.6683	0.1452
trec45-wc	0.9275	0.0145	0.9275	0.9152	0.0486
tuandromd	0.9821	0.0179	0.9821	0.9434	0.1312
turkish	0.8000	0.1000	0.8000	0.7333	0.2270
tvnews	0.8012	0.1988	0.8012	0.5863	0.6632
urban	0.7015	0.0663	0.7015	0.6519	0.1843
vehicle	0.8452	0.0774	0.8452	0.7875	0.1892
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5455	0.0826	0.5455	0.5000	0.2264
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9085	0.0915	0.9085	0.0006	0.2608
wap-wc	0.7821	0.0218	0.7821	0.7551	0.1314
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0933
warppiel0p	0.8095	0.0381	0.8095	0.7879	0.0950
watch-acc10%	0.8888	0.0318	0.8888	0.8699	0.0580
watch-gyr10%	0.8804	0.0342	0.8804	0.8605	0.0558
waveform	0.7180	0.1880	0.7180	0.5771	0.4948
web-phishing	0.8593	0.0938	0.8593	0.7540	0.3902
weight-lift	0.9903	0.0039	0.9903	0.9878	0.0235
white-clover	0.3289	0.3341	0.3315	-0.4905	0.3945
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9814	0.0186	0.9814	0.7811	0.2593
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.5472	0.1509	0.5472	0.2456	0.4605
winequality-white	0.4888	0.1461	0.4888	0.1746	0.4135
winnipeg	0.9877	0.0035	0.9877	0.9844	0.0326
yale	0.6875	0.0417	0.6875	0.6639	0.0681
yeast	0.5405	0.0919	0.5405	0.4062	0.3440
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.9387	0.0123	0.9387	0.9313	0.0950
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 121: Detailed results for CUSBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1626	0.0582	0.1615	0.0771	0.5020
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9806	0.0194	0.9806	0.0560	0.4028
ads	0.9665	0.0335	0.9665	0.8543	0.2540
adult	0.8608	0.1392	0.8608	0.5774	0.5736
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.4865	0.5135	0.4865	0.0085	0.9558
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9967	0.0033	0.9967	0.1108	0.0155
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.4444	0.5556	0.4444	-0.3636	0.8576
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9940	0.0060	0.9940	0.1414	0.2955
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9777	0.0111	0.9777	0.9575	0.0559
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9833	0.0042	0.9833	0.9725	0.0567
anuran-species	0.9833	0.0033	0.9833	0.9767	0.0205
aps-failure	0.9884	0.0116	0.9884	0.5756	0.2746
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7294	0.0406	0.7399	0.5976	0.2852
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8871	0.0108	0.8595	0.8699	0.0221
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.7499	0.0417	0.7499	0.6592	0.2753
balance	0.9032	0.0645	0.9032	0.8203	0.2520
bank	0.9041	0.0959	0.9041	0.3689	0.5347
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6678	0.5405
basehock	0.9045	0.0955	0.9045	0.8092	0.3406
bio	0.9963	0.0037	0.9963	0.7527	0.1733
biodeg	0.8476	0.1524	0.8476	0.6830	0.5747
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0008	1.0000	0.4189	0.1838
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9075	0.0287	0.8972	0.8444	0.0296
bub10at310k-hg16-17	0.9120	0.0880	0.9120	0.0716	0.2646
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8696	0.1304	0.8696	0.7311	0.5170
cardiotocography	0.8404	0.0319	0.8404	0.8076	0.1787
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8001	0.2733
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5724	0.4091
cas_N6512_cdk_ECFP2	0.4793	0.5207	0.4793	0.0307	0.5716
cdc_diabetes	0.8383	0.1078	0.8383	0.2624	0.4618
census10%	0.9482	0.0518	0.9482	0.3605	0.4484
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9302	0.0698	0.9302	0.2229	0.5285
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	1.0000	0.8986	0.0678
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6644	0.5721
ci200186m_DESC_PADEL	0.9259	0.0741	0.9259	0.8412	0.3657
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7053	0.2947	0.7053	0.4237	0.7404
cirrhosis	0.7619	0.1587	0.7619	0.5249	0.3828
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8046	0.0977	0.8046	0.6876	0.3289
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5442	0.3039	0.5442	0.2545	0.6348
cnae-9	0.8333	0.0370	0.8333	0.8125	0.1218
codon_usage	0.7897	0.0382	0.7897	0.7413	0.2496
coil20	0.9306	0.0069	0.9306	0.9269	0.0393
collins	0.9600	0.0053	0.9600	0.9560	0.0116
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.5862	0.4138	0.5862	0.1792	0.9155
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9938	0.0041	0.9938	0.8466	0.0393
cottonmeloidogyne	0.6178	0.3822	0.6178	0.2405	0.6704
coupon	0.6656	0.3344	0.6656	0.3486	0.8022
covtype	0.6746	0.0930	0.6746	0.4730	0.2896
covtypeCD	0.9722	0.0278	0.9722	0.8791	0.2456
covtypeT	0.9745	0.0255	0.9745	0.8088	0.3784
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8949	0.0350	0.8949	0.7716	0.2141
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1875	0.0406	0.1875	0.1621	0.2653
cyclopentane	0.6296	0.3704	0.6296	0.2500	0.9023
cylinder-bands	0.5926	0.4074	0.5926	0.2112	0.8759
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8150	0.1850	0.8150	0.4184	0.7137
deposit	0.8898	0.1102	0.8898	0.4959	0.6418
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2195	0.6184
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.7105	0.2895	0.7105	0.4274	0.7627
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.3477	0.4348	0.3477	-0.0018	0.3662
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5833	0.4167	0.5833	0.1667	0.9267
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.4742	0.5258	0.4742	0.0024	0.5512
dropout	0.7133	0.1911	0.7133	0.4947	0.4736
drug-01	0.2979	0.2006	0.2979	0.0336	0.8086
drug-02	0.4415	0.1596	0.4415	0.1523	0.7792
drug-03	0.6596	0.0973	0.6596	-0.0181	0.4411
drug-04	0.4149	0.1672	0.4149	0.1158	0.7883
drug-05	0.7074	0.0836	0.7074	-0.0353	0.3673
drug-06	0.3511	0.1854	0.3511	0.1915	0.6712
drug-07	0.3883	0.1748	0.3883	0.0276	0.3578
drug-08	0.3511	0.1854	0.3511	0.1313	0.7364
drug-09	0.8594	0.0412	0.8453	-0.0134	0.2883
drug-10	0.4947	0.1444	0.4947	0.1703	0.6184
drug-11	0.8298	0.0486	0.8298	-0.0235	0.4691
drug-12	0.7713	0.0654	0.7713	0.0097	0.5112
drug-13	0.5532	0.1277	0.5532	0.1850	0.5894
drug-14	0.5266	0.1353	0.5266	0.2193	0.6652
drug-15	0.7500	0.0714	0.7500	0.0833	0.2925
drug-16	0.5319	0.1337	0.5319	0.2608	0.6518
drug-17	0.3404	0.1885	0.3404	0.0944	0.6011
drug-18	0.9962	0.0021	1.0000	0.0000	0.0075
drug-19	0.7340	0.0760	0.7340	-0.0316	0.4661
drybean	0.9023	0.0279	0.9023	0.8820	0.1490
ecoli	0.8411	0.0439	0.8373	0.7679	0.1136
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1695	0.1038	0.1695	0.1299	0.6702
eeg-eye	0.5007	0.4993	0.5007	0.0842	0.5500
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.5641	0.4359	0.5641	0.2246	0.6833
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6667	0.5796
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.4874	0.0997
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9839	0.0161	0.9839	0.7919	0.0579
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.5558	0.6769
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.6712	0.1315	0.6712	0.5743	0.2982
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.8966	0.1034	0.8966	0.7941	0.4075
fbis-wc	0.8049	0.0230	0.8049	0.7780	0.1513
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6615	0.0884	0.6405	0.5732	0.1842
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4991	0.0066	0.4817	0.4576	0.2813
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9928	0.0024	0.9928	0.9913	0.0183
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.2875
gender	0.3474	0.4351	0.3474	0.0120	0.3713
gene	0.9401	0.0400	0.9401	0.9046	0.1877
german	0.6900	0.3100	0.6900	0.1842	0.7064
gina	0.8271	0.1729	0.8271	0.6545	0.6054
glass	0.8095	0.0635	0.8095	0.7375	0.2035
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6829	0.5779
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3636	0.4904
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9277	0.0120	0.9277	0.9145	0.0722
har70	0.9013	0.0233	0.9107	0.8642	0.1187
harth10%	0.8431	0.0262	0.8431	0.7850	0.2395
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7650	0.2350	0.7650	0.5310	0.5778
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.4705	0.5295	0.4705	-0.0000	0.5309
higher	0.3571	0.1607	0.3571	0.2270	0.3037
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8870	0.1130	0.8870	0.5278	0.5254
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.6944	0.2037	0.6944	0.4438	0.4968
htru2	0.9782	0.0218	0.9782	0.8643	0.2453
ht-sensor	0.7520	0.1653	0.7520	0.6302	0.4183
hypothyroid	0.9879	0.0039	1.0000	0.9500	0.0823
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1986	0.7697
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7176	0.0217	0.7176	0.7063	0.2457
jm1	0.8053	0.1947	0.8053	0.1941	0.7166
fvowels	0.9468	0.0118	0.9468	0.9397	0.0786
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5759	0.0350	0.5700	0.2487	0.2126
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9148	0.0095	0.9148	0.9048	0.1138
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7365	0.0878	0.7365	0.6547	0.2848
la2s-wc	0.7450	0.0850	0.7450	0.6680	0.3033
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6872	0.0159	0.6647	0.6758	0.0613
led24	0.6500	0.0700	0.6500	0.6034	0.1499
lenses	1.0000	0.0000	0.9813	0.9937	0.0000
letter	0.9025	0.0075	0.9025	0.8986	0.1099
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6389	0.0481	0.6389	0.6142	0.1552
linkage10%	0.9999	0.0001	0.9999	0.9881	0.0511
liver	0.7059	0.2941	0.7059	0.4118	0.7325
localization	0.4618	0.0978	0.4618	0.2397	0.4793
lrs	0.8228	0.0374	0.8032	0.7243	0.1396
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8772	0.0713	0.8581	0.7621	0.1549
lymphoma2	0.8840	0.0250	0.9082	0.8531	0.0296
madelon	0.4846	0.5154	0.4846	-0.0308	1.0000
magic04	0.7317	0.2683	0.7317	0.2978	0.5524

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4859	0.7121
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7561	0.2916
messidor	0.5913	0.4087	0.5913	0.2435	0.6500
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.7222	0.1389	0.7222	0.6443	0.1631
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0417
mfeat-fou	0.7500	0.0500	0.7500	0.7222	0.2088
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0631
mfeat-mor	0.6550	0.0690	0.6550	0.6167	0.2312
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0309
mfeat-zer	0.8000	0.0400	0.8000	0.7778	0.1383
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4803	0.4164
mobile	0.7692	0.0082	0.7692	0.7650	0.1033
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8924	0.1076	0.8924	0.4247	0.2430
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.6634
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.5260
mutagen_class_3	0.4928	0.5072	0.4928	-0.0017	0.7481
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4215	0.7465
MUT_ci300400a	0.6855	0.3145	0.6855	0.3951	0.7312
MUT_ci300400a_cdk_ECFP2	0.5144	0.4856	0.5144	0.1418	0.5593
myocardial	0.8824	0.0294	0.8824	0.4010	0.0956
naticusdroid	0.9475	0.0525	0.9475	0.8950	0.2631
nci9	0.6825	0.0738	0.6770	0.6259	0.0449
ncRNA10%	0.9054	0.0100	0.9054	0.7286	0.6066
newspop	0.4690	0.5310	0.4690	0.0021	0.5402
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9434	0.0566	0.9434	0.8598	0.3161
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0824	0.7469
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9768	0.0940
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.8713	0.0257	0.8713	0.8524	0.1176
oh10-wc	0.7619	0.0476	0.7619	0.7289	0.2352
oh15-wc	0.8261	0.0348	0.8261	0.8024	0.1616
oh5-wc	0.8132	0.0374	0.8132	0.7887	0.1817
opn310k	0.9114	0.0886	0.9114	0.0575	0.2607
opnat310k-hg16-17	0.9109	0.0891	0.9109	0.0487	0.2562
optdigits	0.9733	0.0053	0.9733	0.9703	0.0399
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.4000	0.0300	0.4000	0.3846	0.2101
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9209	0.0791	0.9209	0.0719	0.4911
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8793	0.0600

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8796	0.1204	0.8796	0.6916	0.5216
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	-0.0297	0.6428
pcmac	0.4227	0.5773	0.4227	0.0074	0.5276
pd	0.8553	0.1447	0.8553	0.5417	0.4619
pediatric-leukemia	0.7941	0.0588	0.7941	0.7452	0.1545
pendigits	0.9927	0.0015	0.9927	0.9919	0.0136
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.6038	0.6383
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9211
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6863	0.4887
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.5500	0.4500	0.5500	0.1176	0.9262
phishing	0.9918	0.0082	0.9918	0.9829	0.0680
phoneme	0.8037	0.1963	0.8037	0.5223	0.7014
phy	0.6322	0.3678	0.6322	0.2666	0.7668
pima	0.7368	0.2632	0.7368	0.4006	0.6803
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7733	0.0437	0.7973	0.5781	0.1777
polish-1st	0.9616	0.0384	0.9616	0.1203	0.3602
polish-2nd	0.9636	0.0364	0.9636	0.2034	0.2965
polish-3rd	0.9438	0.0562	0.9438	-0.0147	0.5449
polish-4th	0.9592	0.0408	0.9592	0.4419	0.3694
polish-5th	0.9509	0.0491	0.9509	0.4867	0.3443
polya	0.4130	0.5870	0.4130	0.0584	0.5720
popularity	0.3097	0.4602	0.3097	0.0111	0.5478
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9115	0.0354	0.9115	0.8893	0.1515
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.8768
primary-tumor	0.4332	0.0534	0.4252	0.3543	0.2344
profb	0.6866	0.3134	0.6866	0.2976	0.8512
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	0.9091	0.0909	0.9091	0.8197	0.3145
puc-rio	0.9667	0.0133	0.9667	0.9552	0.0622
pufs-6410%	0.4996	0.5004	0.4996	-0.0003	0.7800
raisin	0.8222	0.1778	0.8222	0.6444	0.6208
re0-wc	0.6933	0.0472	0.6933	0.5599	0.2011
re1-wc	0.7410	0.0207	0.7410	0.7047	0.1542
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5327	0.4673	0.5327	0.1766	0.5750
RT_IOT2022	0.9983	0.0003	0.9983	0.9957	0.0141
satimage	0.8429	0.0524	0.8429	0.8042	0.1976
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.8942	0.1058	0.8942	0.0366	0.4887
scadi	0.7286	0.0813	0.7251	0.6211	0.1426
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.6471	0.3529	0.6471	0.2941	0.8295
secom	0.9423	0.0577	0.9423	0.2866	0.4244
secondary_mushroom	0.6741	0.3259	0.6741	0.3845	0.5258
segment	0.9827	0.0049	0.9827	0.9798	0.0230
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.0719	0.5611
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8553	0.1447	0.8553	0.0029	0.6097
sens-2-gram	0.8711	0.1289	0.8711	0.1348	0.5175
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sensorless	0.9978	0.0004	0.9978	0.9976	0.0046
sepsis	0.9089	0.0911	0.9089	0.0046	0.2664
shoppers	0.8832	0.1168	0.8832	0.4779	0.5864
shuttle	0.9991	0.0002	0.9991	0.9976	0.0251
sick	0.9761	0.0239	0.9761	0.7685	0.0796
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9991	0.0067
smk_can_187	0.7895	0.2105	0.7895	0.5778	0.6844
solar-flare	0.7194	0.0935	0.7194	0.6390	0.2168
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9853	0.0015	0.9853	0.9839	0.0114
spambase	0.9087	0.0913	0.9087	0.8116	0.4144
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5960	0.0168	0.6143	0.5835	0.0939
splice-EI	0.9685	0.0315	0.9685	0.9184	0.2445
splice-IE	0.9558	0.0442	0.9558	0.8789	0.3023
sport-articles	0.8400	0.1600	0.8400	0.6643	0.5937
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8154	0.1846	0.8154	0.2401	0.5651
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8858	0.0761	0.8858	0.8152	0.2634
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6000	0.4000	0.6000	0.2932	0.6283
steel-p	0.9026	0.0974	0.9026	0.1305	0.6584
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.5385	0.3077	0.5385	0.2642	0.5113
student-weekend	0.4154	0.2338	0.4154	0.1587	0.6509
student-workday	0.7188	0.1125	0.7188	0.1658	0.2761
susy10%	0.7505	0.2495	0.7505	0.4982	0.7503
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9800	0.0036	0.9800	0.9779	0.0299
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8736	0.1264	0.8736	0.6475	0.5594
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7577	0.0839	0.7664	0.6359	0.0791
tox_171	0.7647	0.1176	0.7647	0.6866	0.2330
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	-0.1165	0.8781
trec11-wc	0.8780	0.0271	0.8780	0.8489	0.1082
trec12-wc	0.9032	0.0242	0.9032	0.8843	0.0534

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7067	0.0718
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9318	0.0136	0.9318	0.9160	0.0631
trec45-wc	0.9710	0.0058	0.9710	0.9661	0.0182
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8750	0.0625	0.8750	0.8333	0.1900
tvnews	0.8004	0.1996	0.8004	0.5858	0.6620
urban	0.8507	0.0332	0.8507	0.8246	0.1292
vehicle	0.8333	0.0833	0.8333	0.7727	0.2209
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6566	0.0624	0.6566	0.6222	0.2027
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	-0.0006	0.2353
wap-wc	0.7564	0.0244	0.7564	0.7294	0.1975
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0800
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9140	0.0246	0.9140	0.8993	0.0912
watch-gyr10%	0.9183	0.0233	0.9183	0.9046	0.0963
waveform	0.7460	0.1693	0.7460	0.6189	0.4934
web-phishing	0.8667	0.0889	0.8667	0.7652	0.3466
weight-lift	0.9939	0.0024	0.9939	0.9923	0.0167
white-clover	0.3378	0.3289	0.3311	-0.4979	0.3932
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9834	0.0166	0.9834	0.8174	0.2978
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5786	0.1405	0.5786	0.2956	0.4169
winequality-white	0.4540	0.1560	0.4540	0.0221	0.3713
winnipeg	0.9949	0.0062	1.0000	0.9869	0.0490
yale	0.6250	0.0500	0.6250	0.6000	0.0936
yeast	0.4459	0.1108	0.4459	0.3000	0.3707
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.9011	0.0198	0.9011	0.8891	0.1380
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 122: Detailed results for SnapBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1607	0.0579	0.1607	0.0831	0.5757
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9834	0.0166	0.9834	0.2271	0.2925
ads	0.9756	0.0244	0.9756	0.8930	0.1527
adult	0.8671	0.1329	0.8671	0.6020	0.5634
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7810	0.2190	0.7810	0.0458	0.8007
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.5714	0.4286	0.5714	-0.2353	0.7045
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2789	0.8812
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9934	0.0019	1.0000	0.6541	0.0097
AID604AID644_AllRed	0.9992	0.0008	0.9992	0.2855	0.0047
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.1239	0.3593
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9938	0.0062	0.9938	0.1378	0.3423
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9666	0.0167	0.9666	0.9359	0.0991
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9624	0.0094	0.9624	0.9379	0.1324
anuran-species	0.9653	0.0069	0.9653	0.9517	0.0730
aps-failure	0.9936	0.0081	0.9709	0.7475	0.3174
arcene	0.7500	0.2500	0.7500	0.4444	0.6928
arrhythmia	0.7111	0.0444	0.7111	0.5458	0.3069
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.7826	0.0181	0.7826	0.7511	0.0329
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9871	0.0022	0.9871	0.9831	0.0230
balance	0.8065	0.1290	0.8065	0.6649	0.3989
bank	0.8915	0.0900	0.8955	0.5173	0.5983
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8571	0.1429	0.8571	0.6627	0.3624
basehock	0.9447	0.0553	0.9447	0.8895	0.2509
bio	1.0000	0.0030	1.0000	0.8025	0.1169
biodeg	0.8667	0.1333	0.8667	0.7118	0.5200
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0000	0.9893	0.1513	0.3333
block10%	1.0000	0.0000	1.0000	0.9926	0.0003
block10%	1.0000	0.0000	1.0000	0.9926	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.0541	0.9174
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6700	0.1388
bridges	0.7000	0.0857	0.7000	0.5946	0.1414
bub10at310k-hg16-17	0.9219	0.0882	0.9011	0.0331	0.2379
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9565	0.0435	0.9565	0.9013	0.1598
car	0.9770	0.0115	0.9770	0.9511	0.0705
card	0.8406	0.1594	0.8406	0.6774	0.5801
cardiotocography	0.8404	0.0319	0.8404	0.8085	0.1953
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8426	0.1931
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7368	0.2991
cas_N6512_cdk_ECFP2	0.7250	0.2750	0.7250	0.4553	0.7604
cdc_diabetes	0.8658	0.0990	0.8412	0.1569	0.2807
census10%	0.9535	0.0470	0.9765	0.4312	0.3767
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9070	0.0930	0.9070	0.8106	0.3522
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9836	0.0002	0.9803	0.8933	0.0700
ci100410h_MACCS	0.8125	0.1875	0.8125	0.4514	0.7198
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6716	0.5255
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2683	0.7332
cirrhosis	0.6905	0.2063	0.6905	0.4179	0.5787
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8370	0.0815	0.8370	0.7456	0.3670
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.6667	0.2222	0.6667	0.4667	0.4938
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5510	0.2993	0.5510	0.2951	0.6972
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0519
codon_usage	0.8757	0.0226	0.8757	0.8480	0.1791
coil20	0.9653	0.0035	0.9653	0.9634	0.0240
collins	0.9800	0.0027	0.9800	0.9780	0.0100
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.7241	0.2759	0.7241	0.2883	0.6939
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.8276	0.1724	0.8276	0.6310	0.5561
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8387	0.1613	0.8387	0.6210	0.6099
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9840	0.0107	0.9840	0.4502	0.0325
cottonmeloidogyne	0.7404	0.2596	0.7404	0.4819	0.7236
coupon	0.7539	0.2461	0.7539	0.4832	0.7173
covtype	0.9633	0.0110	0.9674	0.9449	0.1096
covtypeCD	0.9945	0.0055	0.9945	0.9766	0.0520
covtypeT	0.9875	0.0125	0.9875	0.9024	0.2047
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3878	0.5671
crowdsourced	0.9336	0.0221	0.9336	0.8607	0.1637
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.2812	0.0359	0.2812	0.2603	0.1223
cyclopentane	0.6296	0.3704	0.6296	0.2623	0.8892
cylinder-bands	0.7582	0.2451	0.7564	0.4924	0.6304
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8207	0.1793	0.8207	0.3832	0.6663
deposit	0.9051	0.0949	0.9051	0.4679	0.5812
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	0.0698	0.6414
dexter	0.9167	0.0833	0.9167	0.8333	0.3549
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5236	0.7134
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5802	0.2831	0.5842	0.1612	0.5316
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5519	0.4386	0.5578	0.1126	0.9653
dropout	0.7833	0.1445	0.7833	0.6356	0.4286
drug-01	0.4043	0.1702	0.4043	0.1025	0.5928
drug-02	0.4894	0.1459	0.4894	0.1367	0.6678
drug-03	0.6702	0.0942	0.6702	0.0634	0.4201
drug-04	0.4947	0.1444	0.4947	0.1215	0.6147
drug-05	0.7340	0.0760	0.7340	0.0231	0.2200
drug-06	0.3936	0.1733	0.3936	0.2416	0.6241
drug-07	0.3936	0.1733	0.3936	0.0253	0.5133
drug-08	0.5426	0.1307	0.5426	0.1442	0.5612
drug-09	0.8298	0.0486	0.8298	-0.0372	0.5836
drug-10	0.5372	0.1322	0.5372	0.1381	0.5153
drug-11	0.8191	0.0517	0.8191	-0.0088	0.5922
drug-12	0.7819	0.0623	0.7819	-0.0138	0.2921
drug-13	0.6064	0.1125	0.6064	0.2323	0.4322
drug-14	0.5691	0.1231	0.5691	0.2378	0.5960
drug-15	0.7447	0.0729	0.7447	0.0875	0.4907
drug-16	0.5372	0.1322	0.5372	0.2183	0.5614
drug-17	0.3723	0.1793	0.3723	0.1479	0.6228
drug-18	0.9734	0.0106	0.9734	-0.0043	0.0076
drug-19	0.7500	0.0714	0.7500	0.0364	0.6189
drybean	0.9214	0.0225	0.9214	0.9049	0.1245
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5421	0.0572	0.5421	0.4908	0.5152
eeg-eye	0.9393	0.0607	0.9393	0.8767	0.2969
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.1558	0.9238
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7348	0.4678
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.3754	0.5647
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8136	0.3324
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.5419	0.6919
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.7343	0.1059	0.7316	0.6739	0.3064
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9762	0.0218	0.9957	0.9564	0.1392
fbis-wc	0.7927	0.0244	0.7927	0.7652	0.1891
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5570	0.1961
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5342	0.0060	0.5282	0.5207	0.5584
forest	0.8654	0.0673	0.8654	0.8145	0.1984
gas	0.9899	0.0034	0.9899	0.9878	0.0233
gastrointestinal	0.6250	0.2500	0.6250	0.4000	0.5595
gender	0.6021	0.2653	0.6021	0.1634	0.6412
gene	0.9148	0.0568	0.9148	0.8642	0.2324
german	0.7000	0.3000	0.7000	0.2405	0.7630
gina	0.9424	0.0576	0.9424	0.8848	0.2879
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7085	0.5490
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4553	0.2669	0.4635	0.2763	0.5725
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9488	0.0085	0.9488	0.9395	0.0691
har70	0.9379	0.0234	0.9160	0.8811	0.1170
harth10%	0.8465	0.0260	0.8413	0.8072	0.2078
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.7778	0.2222	0.7778	0.5120	0.6272
heart-c	0.7667	0.2333	0.7667	0.5205	0.6223
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8093	0.1999	0.8160	0.5982	0.5929
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.3478	0.8010
higgs10%	0.5491	0.4569	0.5580	0.0524	0.5896
higher	0.4286	0.1429	0.4286	0.3373	0.2656
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8735	0.1265	0.8735	0.4050	0.4543
hiva	0.9598	0.0402	0.9598	-0.0084	0.4680
horse	0.5833	0.2778	0.5833	0.2810	0.6628
htru2	0.9782	0.0218	0.9782	0.8627	0.2293
ht-sensor	1.0000	0.0001	0.9980	1.0000	0.0016
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6949	0.3051	0.6949	0.2003	0.8649
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8818	0.0100	0.8703	0.8483	0.1045
jm1	0.8255	0.1745	0.8255	0.2235	0.5672
fvowels	0.9448	0.0123	0.9448	0.9374	0.0940
kc1	0.8341	0.1659	0.8341	0.1222	0.6802
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2632	0.0569
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3824	0.7363
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8617	0.0154	0.8617	0.8454	0.1542
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8254	0.0582	0.8254	0.7777	0.2662
la2s-wc	0.8113	0.0629	0.8113	0.7611	0.2776
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5996	0.0682
led24	0.5500	0.0900	0.5500	0.5000	0.1884
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9320	0.0052	0.9320	0.9292	0.0796
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.7143	0.2857	0.7143	0.4167	0.8058
libra	0.7222	0.0370	0.7222	0.7012	0.1227
linkage10%	1.0000	0.0001	1.0000	0.9724	0.0207
liver	0.5882	0.4118	0.5882	0.1019	0.9203
localization	0.7187	0.0515	0.7382	0.6569	0.3493
lrs	0.8113	0.0377	0.8113	0.7389	0.1613
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6800	0.1133
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7143	0.0992
madelon	0.8731	0.1269	0.8731	0.7462	0.5001
magic04	0.8843	0.1157	0.8843	0.7377	0.4652

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7893	0.3270
messidor	0.5652	0.4348	0.5652	0.1275	0.9499
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0606
mfeat-fou	0.7800	0.0440	0.7800	0.7556	0.1882
mfeat-kar	0.8750	0.0250	0.8750	0.8611	0.1309
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.2039
mfeat-pix	0.9300	0.0140	0.9300	0.9222	0.0729
mfeat-zer	0.7000	0.0600	0.7000	0.6667	0.2410
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4820	0.4007
mobile	0.8252	0.0062	0.8252	0.8220	0.0777
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9530	0.0470	0.9530	0.7948	0.1408
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9612
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.7818
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4312	0.7800
MUT_ci300400a	0.8521	0.1479	0.8521	0.7006	0.5568
MUT_ci300400a_cdk_ECFP2	0.7842	0.2158	0.7842	0.5682	0.6743
myocardial	0.8765	0.0309	0.8765	0.3719	0.2164
naticusdroid	0.9734	0.0266	0.9734	0.9468	0.1657
nci9	0.5000	0.1111	0.5000	0.4194	0.0729
ncRNA10%	0.8986	0.0091	0.9023	0.7368	0.4310
newspop	0.6678	0.3322	0.6678	0.3364	0.8563
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9626	0.0374	0.9626	0.9073	0.2282
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0365	0.7685
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9756	0.1032
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9820	0.0394
oh0-wc	0.8317	0.0337	0.8317	0.8067	0.1526
oh10-wc	0.7143	0.0571	0.7143	0.6732	0.2584
oh15-wc	0.8370	0.0326	0.8370	0.8136	0.1454
oh5-wc	0.7363	0.0527	0.7363	0.7005	0.2247
opn310k	0.9129	0.0770	0.9107	0.4429	0.5561
opnat310k-hg16-17	0.9067	0.0878	0.9004	0.0382	0.2411
optdigits	0.9502	0.0100	0.9502	0.9446	0.0700
optdigitsZ	0.9929	0.0071	0.9929	0.9569	0.1594
orl	0.7250	0.0138	0.7250	0.7179	0.0454
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0497
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9486	0.0514	0.9486	0.1079	0.6251
ozone8hr	0.9249	0.0751	0.9249	0.2116	0.5304
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8998	0.1752

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.9352	0.0759	0.9115	0.7983	0.4063
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4485	0.5515	0.4485	-0.1320	1.0000
pd	0.9474	0.0526	0.9474	0.8545	0.2800
pediatric-leukemia	0.6471	0.1008	0.6471	0.5575	0.3029
pendigits	0.9800	0.0040	0.9800	0.9777	0.0354
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8608	0.1392	0.8608	0.6956	0.5596
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8430
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7310	0.5083
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6117	0.4472
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9796	0.0204	0.9796	0.9569	0.1229
phoneme	0.9093	0.0907	0.9093	0.7770	0.4502
phy	0.6426	0.3542	0.6445	0.2930	0.8953
pima	0.7500	0.2500	0.7500	0.4676	0.7578
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.7663	0.0445	0.7898	0.5902	0.1786
polish-1st	0.9815	0.0185	0.9815	0.6888	0.1863
polish-2nd	0.9695	0.0305	0.9695	0.4609	0.3840
polish-3rd	0.9648	0.0352	0.9648	0.4493	0.2955
polish-4th	0.9714	0.0286	0.9714	0.6674	0.3395
polish-5th	0.9662	0.0338	0.9662	0.6887	0.2907
polya	0.7935	0.2065	0.7935	0.5443	0.6944
popularity	0.6719	0.2187	0.6719	0.3039	0.4693
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9736	0.0106	0.9736	0.9670	0.0578
pred-tox_mutagen_ref-desc	0.7059	0.2941	0.7059	0.4118	0.8134
primary-tumor	0.4545	0.0496	0.4545	0.4012	0.1996
profb	0.7591	0.2581	0.7576	0.4353	0.7903
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7200	0.4011
prostate_GE	0.8182	0.1818	0.8182	0.6333	0.6309
puc-rio	0.9921	0.0032	0.9742	0.9936	0.0249
pufs-6410%	0.5054	0.4966	0.5084	0.0011	0.9566
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.7867	0.0328	0.7867	0.7235	0.2908
re1-wc	0.8434	0.0125	0.8434	0.8215	0.1367
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	0.9975	0.9955	0.0000
rocket	0.5784	0.3987	0.5988	0.0000	0.4966
RT_IOT2022	0.9892	0.0007	0.9790	1.0000	0.0057
satimage	0.9020	0.0327	0.9020	0.8791	0.1628
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.9533	0.0467	0.9533	0.6979	0.2975
scadi	0.5714	0.1224	0.5714	0.4878	0.1295
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5882	0.4118	0.5882	0.1765	0.8657
secom	0.9423	0.0577	0.9423	0.2866	0.4244
secondary_mushroom	0.9992	0.0008	0.9992	0.9983	0.0086
segment	0.9697	0.0087	0.9697	0.9646	0.0409
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	0.0819	0.4920
semeion	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram	0.8526	0.1474	0.8526	-0.0290	0.6162
sens-2-gram	0.8763	0.1237	0.8763	0.0998	0.2600
sens-3-gram	0.8737	0.1263	0.8737	0.0934	0.3668
sens-4-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sensorless	0.9906	0.0017	0.9906	0.9897	0.0173
sepsis	0.9152	0.0895	0.8928	0.0000	0.2103
shoppers	0.8986	0.1014	0.8986	0.5653	0.5466
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9851	0.0004	0.9855	0.9805	0.0100
smk_can_187	0.4737	0.5263	0.4737	-0.0326	0.9785
solar-flare	0.7698	0.0767	0.7698	0.7052	0.2131
sonar	0.7500	0.2500	0.7500	0.5000	0.6793
soybean	0.9706	0.0031	0.9706	0.9677	0.0187
spambase	0.9435	0.0565	0.9435	0.8809	0.2864
spect	0.6667	0.3333	0.6667	0.0899	0.8578
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5849	0.0173	0.5849	0.5617	0.1195
splice-EI	0.9401	0.0599	0.9401	0.8516	0.3547
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.8100	0.1900	0.8100	0.5902	0.6610
squash-stored	0.8000	0.1333	0.8000	0.7059	0.1585
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8872	0.1128	0.8872	0.6410	0.5420
steel-d	0.9795	0.0205	0.9795	0.6561	0.4708
steel_industry	0.9081	0.0613	0.9081	0.8506	0.2233
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8256	0.1744	0.8256	0.5997	0.6154
steel-p	0.9282	0.0718	0.9282	0.5234	0.5906
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.5385	0.3077	0.5385	0.2642	0.4572
student-weekend	0.3077	0.2769	0.3077	0.0670	0.7410
student-workday	0.6875	0.1250	0.6875	0.1868	0.4311
susy10%	0.7669	0.2387	0.7821	0.5160	0.7373
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0004	1.0000	0.9902	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9673	0.0060	0.9673	0.9639	0.0455
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8968	0.1032	0.8968	0.7383	0.5065
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.3684	0.1720
tox_171	0.7647	0.1176	0.7647	0.6866	0.2350
toxicity	0.7647	0.2353	0.7647	0.3929	0.4155
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.0097	0.9032
trec11-wc	0.8780	0.0271	0.8780	0.8492	0.1082
trec12-wc	0.8387	0.0403	0.8387	0.8072	0.1362

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7660	0.1589
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9140	0.0246	0.9140	0.8860	0.1209
trec41-wc	0.9205	0.0159	0.9205	0.9027	0.0850
trec45-wc	0.8551	0.0290	0.8551	0.8315	0.1200
tuandromd	0.9843	0.0157	0.9843	0.9507	0.1231
turkish	0.8000	0.1000	0.8000	0.7333	0.2897
tvnews	0.9299	0.0544	0.9432	0.8862	0.2854
urban	0.7164	0.0630	0.7164	0.6700	0.2459
vehicle	0.7976	0.1012	0.7976	0.7243	0.2389
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8140	0.1860	0.8140	0.6293	0.5994
vowel	0.4242	0.1047	0.4242	0.3667	0.3364
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9292	0.0910	0.9178	0.0012	0.2477
wap-wc	0.7436	0.0256	0.7436	0.7124	0.1832
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0841
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9810	0.0002	0.9850	1.0000	0.0024
watch-gyr10%	1.0000	0.0002	0.9834	1.0000	0.0022
waveform	0.8140	0.1240	0.8140	0.7208	0.4030
web-phishing	0.8593	0.0938	0.8593	0.7522	0.4112
weight-lift	1.0000	0.0010	1.0000	1.0000	0.0083
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.6981	0.1006	0.6981	0.5189	0.5119
winequality-white	0.6769	0.0923	0.6769	0.5023	0.4053
winnipeg	0.9626	0.0062	0.9599	0.9869	0.0492
yale	0.5625	0.0583	0.5625	0.5333	0.1146
yeast	0.5608	0.0878	0.5608	0.4322	0.4005
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9595	0.0405	0.9595	0.3799	0.5788
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9392	0.0608	0.9392	0.2761	0.6261
zip	0.9215	0.0157	0.9215	0.9121	0.1255
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 123: Detailed results for SnapBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0168	0.0678	0.0168	0.0098	0.3839
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9844	0.0156	0.9844	0.2810	0.2473
ads	0.9756	0.0244	0.9756	0.8930	0.1527
adult	0.8665	0.1335	0.8665	0.6000	0.5651
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6216	0.3784	0.6216	0.2765	0.8165
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9917	0.0019	0.9854	0.6471	0.0095
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8283	0.1145	0.8283	0.0524	0.3486
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9941	0.0059	0.9941	0.1017	0.1596
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9722	0.0139	0.9722	0.9472	0.1573
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9583	0.0104	0.9583	0.9318	0.1134
anuran-species	0.9542	0.0092	0.9542	0.9365	0.0830
aps-failure	0.9749	0.0080	1.0000	0.7493	0.3140
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.6222	0.0581	0.6222	0.4984	0.1710
auction	1.0000	0.0000	1.0000	1.0000	0.0000
audiology	0.8261	0.0145	0.8261	0.8026	0.0276
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8071	0.1297
avila	0.9535	0.0077	0.9535	0.9403	0.0946
balance	0.8387	0.1075	0.8387	0.7081	0.3271
bank	0.9152	0.0871	0.8921	0.5263	0.5910
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8894	0.1106	0.8894	0.7450	0.3371
basehock	0.9548	0.0452	0.9548	0.9096	0.2220
bio	1.0000	0.0030	0.9999	0.7950	0.1198
biodeg	0.8762	0.1238	0.8762	0.7337	0.5001
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9607	0.0000	0.9998	0.1520	0.3255
block10%	1.0000	0.0000	0.9817	0.9828	0.0003
block10%	1.0000	0.0000	0.9817	0.9828	0.0003
breast-cancer	0.6071	0.3929	0.6071	-0.0845	0.9495
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7755	0.1017
bridges	0.7000	0.0857	0.7000	0.6154	0.1876
bub10at310k-hg16-17	0.9256	0.0902	0.8995	0.0325	0.2371
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9565	0.0435	0.9565	0.9013	0.1598
car	0.9770	0.0115	0.9770	0.9517	0.1935
card	0.8261	0.1739	0.8261	0.6465	0.6157
cardiotocography	0.8357	0.0329	0.8357	0.8041	0.1969
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8428	0.2347
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6610	0.2854
cas_N6512_cdk_ECFP2	0.7312	0.2688	0.7312	0.4674	0.7509
cdc_diabetes	0.8450	0.0991	0.8510	0.1558	0.2844
census10%	0.9487	0.0471	0.9378	0.4371	0.3762
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	1.0000	0.0002	1.0000	0.8887	0.0686
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8014	0.4126
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6313	0.5951
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.7970	0.3704
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3062	0.7515
cirrhosis	0.6905	0.2063	0.6905	0.4562	0.5452
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7574	0.1213	0.7574	0.6425	0.3949
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3182	0.5379
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5918	0.2721	0.5918	0.3623	0.6228
cnae-9	0.8704	0.0288	0.8704	0.8542	0.1187
codon_usage	0.7790	0.0402	0.7790	0.7410	0.2003
coil20	0.8750	0.0125	0.8750	0.8683	0.0711
collins	0.8400	0.0213	0.8400	0.8250	0.0594
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.7586	0.2414	0.7586	0.3940	0.6569
colposcopies-2	0.6552	0.3448	0.6552	0.1471	0.7403
colposcopies-3	0.7241	0.2759	0.7241	0.4021	0.7527
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.6552	0.3448	0.6552	0.3095	0.8747
colposcopies-c	0.7586	0.2414	0.7586	0.3072	0.7986
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9833	0.0112	0.9833	0.4161	0.0337
cottonmeloidogyne	0.7404	0.2596	0.7404	0.4822	0.7037
coupon	0.7153	0.2847	0.7153	0.3854	0.7008
covtype	0.9733	0.0111	0.9462	0.9510	0.1111
covtypeCD	0.9940	0.0060	0.9940	0.9745	0.0636
covtypeT	0.9875	0.0125	0.9875	0.9014	0.1889
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8894	0.0369	0.8894	0.7808	0.2057
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.2500	0.0375	0.2500	0.2389	0.2154
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7690	0.2351	0.7451	0.4707	0.6512
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8177	0.1823	0.8177	0.3709	0.6731
deposit	0.9020	0.0980	0.9020	0.4442	0.5904
dermatology	0.9189	0.0270	0.9189	0.8995	0.0976
desharnais	0.3750	0.4167	0.3750	0.0698	0.6414
dexter	0.9167	0.0833	0.9167	0.8333	0.3792
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5695	0.6336
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5867	0.2819	0.5813	0.1547	0.5452
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.1304	1.0000
dlbcl-stanford	0.6000	0.4000	0.6000	0.1667	0.9308
dota2	0.5648	0.4346	0.5625	0.1098	0.9470
dropout	0.7472	0.1685	0.7472	0.5924	0.4525
drug-01	0.1809	0.2340	0.1809	0.0345	0.4422
drug-02	0.3404	0.1885	0.3404	0.1252	0.5032
drug-03	0.5585	0.1261	0.5585	0.1006	0.4691
drug-04	0.3617	0.1824	0.3617	0.1508	0.4546
drug-05	0.6383	0.1033	0.6383	-0.0114	0.3222
drug-06	0.2234	0.2219	0.2234	0.1116	0.4379
drug-07	0.1011	0.2568	0.1011	-0.0221	0.4514
drug-08	0.4309	0.1626	0.4309	0.1893	0.4792
drug-09	0.8085	0.0547	0.8085	0.1098	0.4914
drug-10	0.3670	0.1809	0.3670	0.1329	0.4508
drug-11	0.7819	0.0623	0.7819	0.1004	0.4636
drug-12	0.7074	0.0836	0.7074	0.0116	0.2322
drug-13	0.4787	0.1489	0.4787	0.2245	0.4229
drug-14	0.4096	0.1687	0.4096	0.1701	0.5063
drug-15	0.6543	0.0988	0.6543	0.1835	0.5117
drug-16	0.3670	0.1809	0.3670	0.1930	0.5396
drug-17	0.1489	0.2432	0.1489	0.0296	0.4835
drug-18	0.9628	0.0149	0.9628	-0.0046	0.0076
drug-19	0.6543	0.0988	0.6543	0.0663	0.4985
drybean	0.9126	0.0250	0.9126	0.8939	0.1281
ecoli	0.7353	0.0662	0.7353	0.6366	0.2206
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2432	0.0949	0.2438	0.1196	0.4153
eeg-eye	0.9139	0.0861	0.9139	0.8248	0.3777
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7348	0.4678
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8703	0.1081
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8809	0.1649
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.7488	0.1047	0.7327	0.6588	0.3096
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9737	0.0214	0.9817	0.9763	0.1366
fbis-wc	0.7561	0.0287	0.7561	0.7284	0.1856
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.5224	0.1367
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.5345	0.0061	0.5318	0.5091	0.5662
forest	0.9038	0.0481	0.9038	0.8680	0.1163
gas	0.9899	0.0034	0.9899	0.9878	0.0214
gastrointestinal	0.5000	0.3333	0.5000	0.2289	0.6081
gender	0.5389	0.3074	0.5389	0.1355	0.7472
gene	0.9148	0.0568	0.9148	0.8603	0.1954
german	0.6900	0.3100	0.6900	0.1969	0.7441
gina	0.9308	0.0692	0.9308	0.8617	0.3327
glass	0.6667	0.1111	0.6667	0.5727	0.2892
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4444	0.2708
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4572	0.2637	0.4653	0.2795	0.5623
haberman	0.7667	0.2333	0.7667	0.2553	0.6855
hapt	0.9085	0.0152	0.9085	0.8928	0.1153
har70	0.9313	0.0234	0.9225	0.8771	0.1208
harth10%	0.8544	0.0257	0.8583	0.7907	0.2130
hayes-roth	0.7500	0.1667	0.7500	0.6213	0.2879
hcc-survival	0.5294	0.4706	0.5294	0.0685	0.9552
heart	0.7778	0.2222	0.7778	0.5120	0.6272
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7957	0.1945	0.8165	0.6205	0.5925
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2708	0.8198
higgs10%	0.5518	0.4587	0.5536	0.0528	0.6024
higher	0.2143	0.1964	0.2143	0.1299	0.3250
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8786	0.1214	0.8786	0.4434	0.4618
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6667	0.2222	0.6667	0.4476	0.5542
htru2	0.9777	0.0223	0.9777	0.8580	0.2226
ht-sensor	1.0000	0.0001	1.0000	0.9804	0.0016
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6610	0.3390	0.6610	0.1437	0.8942
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8773	0.0101	0.8787	0.8660	0.1058
jm1	0.8237	0.1763	0.8237	0.2192	0.5845
fvowels	0.9398	0.0134	0.9398	0.9318	0.0712
kc1	0.8436	0.1564	0.8436	0.2499	0.6882
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.1656	0.1846
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3082	0.7873
kidney-disease	1.0000	0.0000	0.9951	1.0000	0.0000
krkopt	0.6064	0.0437	0.6064	0.5755	0.2325
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7175	0.0942	0.7175	0.6390	0.2740
la2s-wc	0.7020	0.0993	0.7020	0.6132	0.2516
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5294	0.0235	0.5294	0.5139	0.1295
led24	0.5000	0.1000	0.5000	0.4429	0.2425
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8470	0.0118	0.8470	0.8409	0.0960
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.7143	0.2857	0.7143	0.4167	0.8058
libra	0.5556	0.0593	0.5556	0.5244	0.1841
linkage10%	1.0000	0.0001	1.0000	1.0000	0.0215
liver	0.6471	0.3529	0.6471	0.2302	0.8750
localization	0.7305	0.0513	0.7192	0.6375	0.3558
lrs	0.7547	0.0491	0.7547	0.6672	0.1584
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.9524	0.0190	0.9524	0.9099	0.0252
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9034	0.1321
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6800	0.1352
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.4815	0.2385
lymphoma2	0.4444	0.1235	0.4444	0.2742	0.1530
madelon	0.7192	0.2808	0.7192	0.4385	0.6078
magic04	0.8859	0.1142	0.8859	0.7415	0.4620

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6042	0.6575
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7596	0.3519
messidor	0.6087	0.3913	0.6087	0.2165	0.9122
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.8333	0.0833	0.8333	0.7722	0.1154
mfeat-fac	0.8900	0.0220	0.8900	0.8778	0.1004
mfeat-fou	0.7050	0.0590	0.7050	0.6722	0.2294
mfeat-kar	0.8050	0.0390	0.8050	0.7833	0.1651
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2129
mfeat-pix	0.9050	0.0190	0.9050	0.8944	0.0946
mfeat-zer	0.6400	0.0720	0.6400	0.6000	0.2415
mice-prot	0.9074	0.0231	0.9074	0.8939	0.0890
mines	0.5588	0.1765	0.5588	0.4444	0.4108
mobile	0.5315	0.0167	0.5315	0.5230	0.1996
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9561	0.0439	0.9561	0.8115	0.1733
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.7951
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4631	0.7463
MUT_ci300400a	0.8584	0.1416	0.8584	0.7119	0.5457
MUT_ci300400a_cdk_ECFP2	0.7530	0.2470	0.7530	0.5214	0.6392
myocardial	0.8824	0.0294	0.8824	0.4551	0.2104
naticusdroid	0.9737	0.0263	0.9737	0.9475	0.1641
nci9	0.3333	0.1481	0.3333	0.2258	0.1146
ncRNA10%	0.9132	0.0094	0.8945	0.7558	0.4438
newspop	0.6418	0.3582	0.6418	0.2957	0.8381
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9614	0.0386	0.9614	0.9036	0.2173
NPHA-doctor-visits	0.3889	0.4074	0.3889	0.0616	0.7612
nursery	0.9938	0.0025	0.9938	0.9909	0.0130
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9742	0.1059
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9756	0.0174
oh0-wc	0.8020	0.0396	0.8020	0.7781	0.1143
oh10-wc	0.6381	0.0724	0.6381	0.5904	0.2588
oh15-wc	0.7283	0.0543	0.7283	0.6948	0.1885
oh5-wc	0.7033	0.0593	0.7033	0.6716	0.1981
opn310k	0.9446	0.0770	0.9206	0.4545	0.5449
opnat310k-hg16-17	0.9083	0.0901	0.8935	0.0377	0.2492
optdigits	0.9075	0.0185	0.9075	0.8970	0.0883
optdigitsZ	0.9911	0.0089	0.9911	0.9446	0.1384
orl	0.5750	0.0213	0.5750	0.5641	0.1109
orlraws10P	0.5000	0.1000	0.5000	0.4444	0.1678
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9447	0.0553	0.9447	0.0969	0.6276
ozone8hr	0.9289	0.0711	0.9289	0.3245	0.5502
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8730	0.2177

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.9462	0.0756	0.9193	0.8151	0.4030
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.4330	0.5670	0.4330	-0.1497	1.0000
pd	0.9211	0.0789	0.9211	0.7818	0.3992
pediatric-leukemia	0.8235	0.0504	0.8235	0.7811	0.1222
pendigits	0.9627	0.0075	0.9627	0.9585	0.0517
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8196	0.1804	0.8196	0.6054	0.6482
P-Glycoprotein_b_Substrate	0.7200	0.2800	0.7200	0.4400	0.7905
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7640	0.4020
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9714	0.0286	0.9714	0.9399	0.1774
phoneme	0.9148	0.0852	0.9148	0.7860	0.4173
phy	0.6609	0.3586	0.6532	0.2999	0.8615
pima	0.7237	0.2763	0.7237	0.4251	0.7957
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.7824	0.0450	0.7947	0.6023	0.1770
polish-1st	0.9829	0.0171	0.9829	0.7189	0.1802
polish-2nd	0.9676	0.0324	0.9676	0.4261	0.4200
polish-3rd	0.9629	0.0371	0.9629	0.4196	0.3391
polish-4th	0.9714	0.0286	0.9714	0.6602	0.3165
polish-5th	0.9645	0.0355	0.9645	0.6775	0.3303
polya	0.7827	0.2173	0.7827	0.5224	0.7145
popularity	0.5718	0.2855	0.5718	0.1807	0.6421
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9913	0.0043	1.0000	1.0000	0.0308
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8214
primary-tumor	0.2727	0.0661	0.2727	0.1927	0.2805
profb	0.7477	0.2484	0.7305	0.4315	0.7804
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7200	0.4011
prostate_GE	0.8182	0.1818	0.8182	0.6333	0.6309
puc-rio	1.0000	0.0032	0.9990	1.0000	0.0255
pufs-6410%	0.5080	0.5005	0.4915	0.0010	0.9989
raisin	0.9000	0.1000	0.9000	0.8000	0.4311
re0-wc	0.7133	0.0441	0.7133	0.6458	0.3299
re1-wc	0.7831	0.0173	0.7831	0.7575	0.1700
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9759	0.0000	0.9812	1.0000	0.0000
rocket	0.6039	0.4051	0.5859	0.0000	0.5011
RT_IOT2022	1.0000	0.0007	1.0000	0.9906	0.0058
satimage	0.8942	0.0353	0.8942	0.8686	0.1425
satimageF	0.9860	0.0140	0.9860	0.9292	0.2145
satimageT	0.9471	0.0529	0.9471	0.6683	0.3937
scadi	0.5714	0.1224	0.5714	0.4615	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.6471	0.3529	0.6471	0.2941	0.7776
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.9992	0.0008	0.9992	0.9983	0.0086
segment	0.9481	0.0148	0.9481	0.9393	0.0680
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9380	0.0620	0.9380	0.1046	0.1594
semeion	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram	0.8579	0.1421	0.8579	0.0077	0.5788
sens-2-gram	0.8763	0.1237	0.8763	0.0998	0.2600
sens-3-gram	0.8763	0.1237	0.8763	0.0998	0.2600
sens-4-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sensorless	1.0000	0.0015	1.0000	0.9890	0.0161
sepsis	0.9092	0.0902	0.9002	0.0000	0.2139
shoppers	0.8978	0.1022	0.8978	0.5477	0.5309
shuttle	0.9998	0.0000	0.9998	0.9995	0.0199
sick	0.9841	0.0159	0.9841	0.8665	0.2333
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0005	0.9913	0.9908	0.0101
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7482	0.0839	0.7482	0.6841	0.2345
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9412	0.0062	0.9412	0.9353	0.0303
spambase	0.9435	0.0565	0.9435	0.8811	0.2904
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.2830	0.0299	0.2830	0.2606	0.2158
splice-EI	0.9716	0.0284	0.9716	0.9269	0.2290
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.8400	0.1600	0.8400	0.6606	0.5986
squash-stored	0.6000	0.2667	0.6000	0.4118	0.3599
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8923	0.1077	0.8923	0.6605	0.5300
steel-d	0.9744	0.0256	0.9744	0.6022	0.5283
steel_industry	0.9041	0.0639	0.9041	0.8448	0.2332
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.8256	0.1744	0.8256	0.6081	0.6309
steel-p	0.9128	0.0872	0.9128	0.4043	0.6376
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9692	0.0308	0.9692	0.8401	0.3898
studentap	0.3846	0.4103	0.3846	0.1186	0.5789
student-weekend	0.1385	0.3446	0.1385	0.0218	0.6133
student-workday	0.6719	0.1313	0.6719	0.2479	0.5298
susy10%	0.7667	0.2302	0.7645	0.5328	0.7169
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	1.0000	0.0004	1.0000	0.9774	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9491	0.0093	0.9491	0.9439	0.0622
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.1671	0.6222
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9192	0.0808	0.9192	0.7750	0.4067
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.3600	0.2682
tox_171	0.4706	0.2647	0.4706	0.3014	0.4097
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0905	0.9196
trec11-wc	0.7073	0.0650	0.7073	0.6528	0.2382
trec12-wc	0.9032	0.0242	0.9032	0.8840	0.0661

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.7259	0.2408
trec23-wc	0.9048	0.0317	0.9048	0.8704	0.0430
trec31-wc	0.9462	0.0154	0.9462	0.9302	0.0622
trec41-wc	0.8409	0.0318	0.8409	0.8090	0.1590
trec45-wc	0.8406	0.0319	0.8406	0.8150	0.1162
tuandromd	0.9843	0.0157	0.9843	0.9507	0.1231
turkish	0.6000	0.2000	0.6000	0.4667	0.4099
tvnews	0.9319	0.0548	0.9463	0.8814	0.2742
urban	0.7313	0.0597	0.7313	0.6901	0.2036
vehicle	0.7619	0.1190	0.7619	0.6838	0.1701
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.5051	0.0900	0.5051	0.4556	0.2952
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.8935	0.0907	0.8933	0.0011	0.2375
wap-wc	0.6667	0.0333	0.6667	0.6365	0.1796
warpar10p	0.4615	0.1077	0.4615	0.4013	0.1763
warppiel0p	0.8571	0.0286	0.8571	0.8413	0.0733
watch-acc10%	0.9997	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	1.0000	0.0002	0.9988	0.9942	0.0023
waveform	0.7840	0.1440	0.7840	0.6765	0.4112
web-phishing	0.8667	0.0889	0.8667	0.7614	0.3822
weight-lift	0.9747	0.0010	1.0000	1.0000	0.0084
white-clover	0.5000	0.2500	0.5000	0.1818	0.1875
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9876	0.0124	0.9876	0.8735	0.3108
wine	0.8824	0.0784	0.8824	0.8079	0.2873
winequality-red	0.6226	0.1258	0.6226	0.4557	0.4288
winequality-white	0.5603	0.1256	0.5603	0.4085	0.4978
winnipeg	0.9660	0.0062	0.9802	0.9908	0.0495
yale	0.3750	0.0833	0.3750	0.3305	0.1876
yeast	0.4797	0.1041	0.4797	0.3723	0.4730
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9459	0.0541	0.9459	0.3084	0.5504
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9527	0.0473	0.9527	0.3410	0.5495
zip	0.8452	0.0310	0.8452	0.8270	0.1401
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 124: Detailed results for HBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1247	0.0604	0.1247	0.0500	0.6620
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	-0.0379	0.6749
accelerometer	0.9741	0.0259	0.9741	0.2893	0.5763
ads	0.9604	0.0396	0.9604	0.8371	0.3507
adult	0.8315	0.1685	0.8315	0.5203	0.6734
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.8016	0.1984	0.8016	-0.1084	0.6801
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.7810	0.2190	0.7810	0.3038	0.7668
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9992	0.0008	0.9992	0.2855	0.0047
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7568	0.2432	0.7568	0.5209	0.6842
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9860	0.0019	0.9804	0.6494	0.0094
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.5000	0.5000	0.5000	-0.1905	0.9701
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.8889	0.0741	0.8889	0.1439	0.1376
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9853	0.0147	0.9853	-0.0069	0.5666
AID721morered	0.3333	0.6667	0.3333	-0.4211	0.8208
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9935	0.0065	0.9935	0.1312	0.4111
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9694	0.0153	0.9694	0.9411	0.0756
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9597	0.0101	0.9597	0.9329	0.0944
anuran-species	0.9681	0.0064	0.9681	0.9553	0.0467
aps-failure	0.9904	0.0096	0.9904	0.7089	0.3687
arcene	0.4000	0.6000	0.4000	0.0000	0.5239
arrhythmia	0.6667	0.0513	0.6667	0.3510	0.1720
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8261	0.0145	0.8261	0.8004	0.0329
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6890	0.0518	0.6890	0.5530	0.1841
balance	0.8710	0.0860	0.8710	0.7652	0.3556
bank	0.8861	0.1139	0.8861	0.4456	0.6579
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8318	0.1682	0.8318	0.6352	0.6193
basehock	0.8593	0.1407	0.8593	0.7182	0.4094
bio	1.0000	0.0030	1.0000	0.7844	0.1187
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9810	0.0008	1.0000	0.4127	0.1852
block10%	1.0000	0.0000	1.0000	1.0000	0.0003
block10%	1.0000	0.0000	1.0000	1.0000	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.1818	0.8787
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0000	0.5193
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.8931	0.0877	0.9271	0.0339	0.2329
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9828	0.0086	0.9828	0.9632	0.1101
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8498	0.0300	0.8498	0.8203	0.2055
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7844	0.2781
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5895	0.3981
cas_N6512_cdk_ECFP2	0.7189	0.2811	0.7189	0.4295	0.7919
cdc_diabetes	0.8373	0.1002	0.8554	0.1549	0.2869
census10%	0.9205	0.0795	0.9205	0.3109	0.6429
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9070	0.0930	0.9070	-0.0456	0.6842
cervical-H	0.9535	0.0465	0.9535	0.4756	0.5775
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9835	0.0002	1.0000	0.9023	0.0693
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7279	0.5242
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.8105	0.1895	0.8105	0.5931	0.6564
cirrhosis	0.7143	0.1905	0.7143	0.4126	0.4710
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8176	0.0912	0.8176	0.7142	0.3062
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.1667	0.5556	0.1667	0.0000	0.4119
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.4966	0.3356	0.4966	0.2212	0.7588
cnae-9	0.8796	0.0267	0.8796	0.8646	0.1110
codon_usage	0.8104	0.0345	0.8104	0.7660	0.1711
coil20	0.0486	0.0951	0.0486	0.0000	0.4166
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.7586	0.2414	0.7586	0.4249	0.7334
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7586	0.2414	0.7586	0.2509	0.6936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3741	0.8142
colposcopies-c	0.8276	0.1724	0.8276	0.4487	0.6170
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9594	0.0270	0.9594	0.3269	0.5449
cottonmeloidogyne	0.6442	0.3558	0.6442	0.2867	0.8639
coupon	0.6696	0.3304	0.6696	0.3287	0.8598
covtype	0.9655	0.0114	0.9595	0.9259	0.1093
covtypeCD	0.9831	0.0169	0.9831	0.9288	0.2008
covtypeT	0.9868	0.0132	0.9868	0.8976	0.2312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.1697	0.7884
crowdsourced	0.9097	0.0301	0.9097	0.8040	0.1456
cryotherapy	0.8889	0.1111	0.8889	0.7805	0.3522
cultivars	0.5000	0.0250	0.5000	0.4870	0.0661
cyclopentane	0.5185	0.4815	0.5185	0.0000	0.9886
cylinder-bands	0.6667	0.3333	0.6667	0.3477	0.8125
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7613	0.2387	0.7613	0.2796	0.8015
deposit	0.8722	0.1278	0.8722	0.3493	0.6897
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5556	0.2962
dexter	0.9167	0.0833	0.9167	0.8333	0.3549
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5346	0.7157
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4876	0.3414	0.4954	0.0402	0.6855
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.4000	0.6000	0.4000	0.0000	0.5239
dota2	0.5278	0.4722	0.5278	0.0540	0.9827
dropout	0.6840	0.2107	0.6840	0.4657	0.5744
drug-01	0.2926	0.2021	0.2926	0.0136	0.8444
drug-02	0.4309	0.1626	0.4309	0.1404	0.8084
drug-03	0.5638	0.1246	0.5638	0.0768	0.6552
drug-04	0.4096	0.1687	0.4096	0.1122	0.8321
drug-05	0.5638	0.1246	0.5638	-0.0318	0.7701
drug-06	0.3085	0.1976	0.3085	0.1632	0.7614
drug-07	0.2979	0.2006	0.2979	-0.0778	0.7315
drug-08	0.4468	0.1581	0.4468	0.1177	0.8261
drug-09	0.8138	0.0532	0.8138	0.0834	0.6028
drug-10	0.4574	0.1550	0.4574	0.1035	0.7360
drug-11	0.7979	0.0578	0.7979	0.0352	0.7772
drug-12	0.6489	0.1003	0.6489	0.0687	0.7557
drug-13	0.5000	0.1429	0.5000	0.1790	0.8201
drug-14	0.4840	0.1474	0.4840	0.1797	0.7322
drug-15	0.6649	0.0957	0.6649	0.1734	0.7372
drug-16	0.5266	0.1353	0.5266	0.2417	0.6028
drug-17	0.3298	0.1915	0.3298	0.0986	0.6916
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6862	0.0897	0.6862	0.0872	0.6512
drybean	0.9148	0.0244	0.9148	0.8968	0.1295
ecoli	0.7647	0.0588	0.7647	0.6715	0.1678
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8197	0.1808
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2937	0.0883	0.2937	0.2032	0.5877
eeg-eye	0.9125	0.0874	0.9125	0.8234	0.3973
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2222	0.8992
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5635	0.5790
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.7336	0.5000
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.7377	0.2623	0.7377	0.4190	0.7879
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.5812	0.6213
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6027	0.1589	0.6027	0.4888	0.3880
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9735	0.0220	0.9791	0.9756	0.1401
fbis-wc	0.7358	0.0311	0.7358	0.6997	0.2426
fda.atompair_fp	0.5455	0.4545	0.5455	-0.1458	0.9447
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6795	0.1622
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4792	0.0067	0.4831	0.4517	0.2816
forest	0.8846	0.0577	0.8846	0.8405	0.1475
gas	0.9446	0.0185	0.9446	0.9330	0.0887
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5347	0.3102	0.5347	0.0954	0.7594
gene	0.9243	0.0505	0.9243	0.8793	0.2268
german	0.6400	0.3600	0.6400	0.1874	0.9052
gina	0.8818	0.1182	0.8818	0.7634	0.4791
glass	0.7619	0.0794	0.7619	0.6729	0.2582
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.2500	0.7500	0.2500	0.0000	0.4422
glioma	0.4000	0.3000	0.4000	0.0000	0.3039
glioma-grade	0.8095	0.1905	0.8095	0.6017	0.6430
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3750	0.4827
haberman	0.6667	0.3333	0.6667	0.2105	0.8514
hapt	0.2754	0.1208	0.2754	0.2339	0.2965
har70	0.9404	0.0229	0.9342	0.8856	0.1178
harth10%	0.8704	0.0221	0.8766	0.8214	0.1570
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.1314	0.9439
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.9000	0.1000	0.9000	0.7964	0.3038
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7950	0.1978	0.8145	0.6033	0.5948
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5598	0.4510	0.5495	0.0535	0.5793
higher	0.2143	0.1964	0.2143	0.0610	0.3641
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9191	0.0809	0.9191	0.7043	0.4832
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.6389	0.2407	0.6389	0.3752	0.5919
htru2	0.9793	0.0207	0.9793	0.8659	0.1634
ht-sensor	1.0000	0.0001	0.9935	0.9952	0.0016
hypothyroid	0.9973	0.0013	0.9973	0.9840	0.0048
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.2003	0.8649
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.0488	0.0732	0.0488	0.0107	0.4159
jm1	0.7769	0.2231	0.7769	0.2871	0.7834
fvowels	0.8745	0.0279	0.8745	0.8577	0.1654
kc1	0.8531	0.1469	0.8531	0.3558	0.6833
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1340	0.0880
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.4235	0.7319
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.5358	0.0516	0.5358	0.4807	0.4958
krvskp	0.9969	0.0031	0.9969	0.9937	0.0250
la1s-wc	0.7496	0.0883	0.7269	0.6620	0.3691
la2s-wc	0.7499	0.0785	0.7740	0.6998	0.3255
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.5882	0.0206	0.5882	0.5688	0.0639
led24	0.6500	0.0700	0.6500	0.6034	0.1499
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9575	0.0033	0.9575	0.9558	0.0500
leukemia	0.2857	0.4762	0.2857	0.0000	0.4159
leukemia2	0.5714	0.4286	0.5714	0.0000	0.5112
libra	0.8611	0.0185	0.8611	0.8511	0.0543
linkage10%	1.0000	0.0000	0.9983	1.0000	0.0001
liver	0.6176	0.3824	0.6176	0.2191	0.8559
localization	0.7221	0.0505	0.7221	0.6480	0.5204
lrs	0.8302	0.0340	0.8302	0.7641	0.1262
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.7000	0.1200	0.7000	0.0000	0.2315
lung-cancer-harvard2	0.1667	0.8333	0.1667	0.0000	0.3467
lung-cancer-michigan	0.1111	0.8889	0.1111	0.0000	0.2575
lung-cancer-ontario	0.3333	0.6667	0.3333	0.0000	0.5000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.4444	0.1235	0.4444	0.0000	0.2767
madelon	0.5731	0.4269	0.5731	0.1462	0.9486
magic04	0.8385	0.1615	0.8385	0.6389	0.6019

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7500	0.2500	0.7500	0.4993	0.7492
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7525	0.1650	0.7525	0.6219	0.4575
messidor	0.6087	0.3913	0.6087	0.2020	0.9229
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0442
mfeat-fou	0.8550	0.0290	0.8550	0.8389	0.1139
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0544
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1987
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0377
mfeat-zer	0.8100	0.0380	0.8100	0.7889	0.1218
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3341	0.5120
mobile	0.5874	0.0147	0.5874	0.5799	0.1857
monks-1	0.9636	0.0364	0.9636	0.9272	0.2103
monks-2	0.9180	0.0820	0.9180	0.8121	0.3464
monks-3	0.8393	0.1607	0.8393	0.6769	0.5695
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9606	0.0394	0.9606	0.8361	0.2107
mutagen_class_1	0.6029	0.3971	0.6029	0.2059	0.9130
mutagen_class_2	0.4559	0.5441	0.4559	-0.0882	0.8234
mutagen_class_3	0.4783	0.5217	0.4783	-0.0437	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7157
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4312	0.7800
MUT_ci300400a	0.8496	0.1504	0.8496	0.6902	0.5618
MUT_ci300400a_cdk_ECFP2	0.7626	0.2374	0.7626	0.4897	0.6855
myocardial	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid	0.9645	0.0355	0.9645	0.9291	0.2059
nci9	0.1667	0.1852	0.1667	0.0000	0.3342
ncRNA10%	0.9187	0.0086	0.9187	0.7543	0.1354
newspop	0.5802	0.4198	0.5802	0.1598	0.9437
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9617	0.0383	0.9617	0.9053	0.2351
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0061	0.8158
nursery	0.9884	0.0046	0.9884	0.9830	0.0245
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9951	0.0049	0.9951	0.9864	0.0669
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0296
oh0-wc	0.7822	0.0436	0.7822	0.7481	0.1939
oh10-wc	0.6190	0.0762	0.6190	0.5588	0.2445
oh15-wc	0.7283	0.0543	0.7283	0.6879	0.1929
oh5-wc	0.6923	0.0615	0.6923	0.6538	0.2286
opn310k	0.9105	0.0754	0.9102	0.4433	0.5609
opnat310k-hg16-17	0.9258	0.0898	0.8977	0.0380	0.2421
optdigits	0.9359	0.0128	0.9359	0.9288	0.0869
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.0250	0.0488	0.0250	0.0000	0.4257
orlraws10P	0.1000	0.1800	0.1000	0.0000	0.4073
ovarian-cancer	0.6400	0.3600	0.6400	0.0000	0.4802
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.8972	0.1028	0.8972	0.0828	0.6928
p53-mutants10%	1.0000	0.0032	0.9927	0.0000	0.0151
page-blocks	0.9799	0.0080	0.9799	0.8859	0.2832

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8550	0.1675
particle	0.8675	0.1325	0.8675	0.6753	0.5693
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.4299	0.5443
pcmac	0.5722	0.4278	0.5722	0.0268	0.8814
pd	0.9211	0.0789	0.9211	0.7966	0.4359
pediatric-leukemia	0.0588	0.2689	0.0588	0.0000	0.3987
pendigits	0.9745	0.0051	0.9745	0.9717	0.0409
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.7887	0.2113	0.7887	0.5659	0.6512
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7617	0.4826
P-Glycoprotein_RDkit_AtomPair_FP	0.6000	0.4000	0.6000	0.2381	0.7685
Pgp_desc	0.6500	0.3500	0.6500	0.2553	0.8874
phishing	0.9714	0.0286	0.9714	0.9399	0.1774
phoneme	0.9093	0.0907	0.9093	0.7697	0.4269
phy	0.6502	0.3498	0.6502	0.3003	0.8799
pima	0.7237	0.2763	0.7237	0.3824	0.7533
plx	0.7778	0.2222	0.7778	0.3684	0.7203
poker	0.7653	0.0446	0.7813	0.5899	0.1733
polish-1st	0.9403	0.0597	0.9403	0.0163	0.6397
polish-2nd	0.9400	0.0600	0.9400	0.0597	0.6384
polish-3rd	0.9362	0.0638	0.9362	0.0028	0.6354
polish-4th	0.9255	0.0745	0.9255	0.1043	0.6568
polish-5th	0.9154	0.0846	0.9154	0.2422	0.6546
polya	0.7481	0.2519	0.7481	0.4341	0.7682
popularity	0.6340	0.2440	0.6340	0.2037	0.6999
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9621	0.0152	0.9621	0.9526	0.0826
pred-tox_mutagen_ref-desc	0.7353	0.2647	0.7353	0.4706	0.7701
primary-tumor	0.3030	0.0634	0.3030	0.2356	0.2665
profb	0.8060	0.1940	0.8060	0.5652	0.6799
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.4286	0.5714	0.4286	0.0000	0.5288
prostate_GE	0.4545	0.5455	0.4545	0.0000	0.5306
puc-rio	0.9681	0.0128	0.9681	0.9571	0.0720
pufs-6410%	0.4960	0.5063	0.5025	0.0011	0.9888
raisin	0.8556	0.1444	0.8556	0.7111	0.5413
re0-wc	0.5800	0.0646	0.5800	0.3763	0.2617
re1-wc	0.5904	0.0328	0.5904	0.5290	0.3442
rejafada	1.0000	0.0000	0.9927	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	0.9889	0.0000	0.9960	1.0000	0.0000
rocket	0.5617	0.4383	0.5617	0.1064	0.9529
RT_IOT2022	0.9988	0.0002	0.9988	0.9969	0.0079
satimage	0.9098	0.0301	0.9098	0.8888	0.1528
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9362	0.0638	0.9362	0.6418	0.5186
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	1.0000	0.0000	1.0000	1.0000	0.0000
schizo	0.6471	0.3529	0.6471	0.2941	0.8295
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.8250	0.1750	0.8250	0.6452	0.6178
segment	0.9437	0.0161	0.9437	0.9342	0.0717
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8953	0.1047	0.8953	0.1260	0.6775
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.7974	0.2026	0.7974	0.0573	0.7818
sens-2-gram	0.8211	0.1789	0.8211	0.1599	0.7624
sens-3-gram	0.8105	0.1895	0.8105	0.1264	0.7699
sens-4-gram	0.8510	0.1397	0.8799	0.1312	0.6353
sensorless	0.9944	0.0010	0.9944	0.9938	0.0114
sepsis	0.8497	0.1503	0.8497	0.0330	0.7265
shoppers	0.8524	0.1476	0.8524	0.3975	0.6948
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9708	0.0292	0.9708	0.7291	0.2857
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9994	0.0054
smk_can_187	0.4737	0.5263	0.4737	0.0000	0.5305
solar-flare	0.7482	0.0839	0.7482	0.6789	0.2382
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9678	0.0260
spambase	0.9087	0.0913	0.9087	0.8087	0.4147
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8857	0.1143	0.8857	0.6818	0.2781
spectrometer	0.4528	0.0228	0.4528	0.4217	0.1334
splice-EI	0.9685	0.0315	0.9685	0.9184	0.2445
splice-IE	0.9338	0.0662	0.9338	0.8140	0.3784
sport-articles	0.8200	0.1800	0.8200	0.6139	0.6416
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.8564	0.1436	0.8564	0.5826	0.6355
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8827	0.0782	0.8827	0.8091	0.2705
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8103	0.1897	0.8103	0.5779	0.6660
steel-p	0.9333	0.0667	0.9333	0.4474	0.5093
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9897	0.0103	0.9897	0.9388	0.0422
studentap	0.6154	0.2564	0.6154	0.4091	0.5293
student-weekend	0.2462	0.3015	0.2462	-0.0189	0.8193
student-workday	0.6719	0.1313	0.6719	0.1770	0.4614
susy10%	0.7508	0.2305	0.7630	0.5212	0.7180
swarm_aligned	0.9906	0.0000	0.9971	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9802	1.0000	0.0046
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5887
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9273	0.0132	0.9273	0.9198	0.0879
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7021	0.2979	0.7021	-0.1750	0.8075
Thyroid_Diff	0.8947	0.1053	0.8947	0.7441	0.4906
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.7584	0.2416	0.7584	0.1231	0.6741
titanic	0.5682	0.4318	0.5682	0.1685	0.8413
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.2941	0.3529	0.2941	0.0000	0.3969
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	1.0000	0.0000	1.0000	1.0000	0.0000
transfusion	0.5867	0.4133	0.5867	-0.0719	0.8989
trec11-wc	0.3659	0.1409	0.3659	0.3037	0.3085
trec12-wc	0.5161	0.1210	0.5161	0.3621	0.2654

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7273	0.0909	0.7273	0.1929	0.1775
trec23-wc	0.7143	0.0952	0.7143	0.6062	0.2416
trec31-wc	0.6559	0.0983	0.6559	0.4968	0.2599
trec41-wc	0.7273	0.0545	0.7273	0.6667	0.2710
trec45-wc	0.4203	0.1159	0.4203	0.2741	0.3280
tuandromd	0.9888	0.0112	0.9888	0.9653	0.1219
turkish	0.8000	0.1000	0.8000	0.7333	0.2622
tvnews	0.9359	0.0543	0.9348	0.8781	0.2743
urban	0.8209	0.0398	0.8209	0.7897	0.1661
vehicle	0.7143	0.1429	0.7143	0.6134	0.2528
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.9070	0.0930	0.9070	0.8143	0.3926
vowel	0.5859	0.0753	0.5859	0.5444	0.2759
vowelZ	0.9192	0.0808	0.9192	0.1852	0.1938
vrnormat310k-hg16-17	0.9204	0.0895	0.9088	0.0012	0.2470
wap-wc	0.3910	0.0609	0.3910	0.3066	0.3646
warpar10p	0.1538	0.1692	0.1538	0.0000	0.3906
warppie10p	0.0952	0.1810	0.0952	0.0000	0.4068
watch-acc10%	1.0000	0.0002	0.9768	1.0000	0.0023
watch-gyr10%	0.9917	0.0002	1.0000	1.0000	0.0022
waveform	0.8100	0.1267	0.8100	0.7150	0.4040
web-phishing	0.8000	0.1333	0.8000	0.6362	0.4907
weight-lift	0.9939	0.0024	0.9939	0.9923	0.0189
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9731	0.0269	0.9731	0.6693	0.3467
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6604	0.1132	0.6604	0.4553	0.4901
winequality-white	0.5051	0.1414	0.5051	0.1766	0.4293
winnipeg	0.9932	0.0063	0.9898	0.9552	0.0497
yale	0.0625	0.1250	0.0625	0.0000	0.4106
yeast	0.5203	0.0959	0.5203	0.3881	0.4601
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	0.1766	0.5813
zip	0.9409	0.0118	0.9409	0.9337	0.0848
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 125: Detailed results for KTBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1511	0.0585	0.1511	0.0684	0.5621
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9837	0.0163	0.9837	0.3096	0.3677
ads	0.9726	0.0274	0.9726	0.8830	0.2343
adult	0.8671	0.1329	0.8671	0.6058	0.5699
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8000	0.2000	0.8000	0.0801	0.7395
AID362red	0.9836	0.0164	0.9836	0.3554	0.5478
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6486	0.3514	0.6486	0.3079	0.8408
AID_602330	0.9427	0.0573	0.9427	-0.0233	0.6301
AID604	0.9985	0.0015	0.9985	0.7401	0.0076
AID604AID644_AllRed	0.9992	0.0008	0.9992	0.4441	0.3561
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red	0.9864	0.0136	0.9864	-0.0060	0.5628
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9985	0.0015	0.9985	-0.0007	0.5338
AID746red	0.9918	0.0082	0.9918	-0.0032	0.5332
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9653	0.0423
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9819	0.0045	0.9819	0.9702	0.0598
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0176
aps-failure	0.9921	0.0079	0.9921	0.7461	0.2540
arcene	0.8000	0.2000	0.8000	0.5833	0.6737
arrhythmia	0.7778	0.0342	0.7778	0.6302	0.1732
auction	1.0000	0.0000	1.0000	1.0000	0.0000
audiology	0.8696	0.0109	0.8696	0.8490	0.0399
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8693	0.0956
avila	0.9986	0.0002	0.9986	0.9981	0.0074
balance	0.8710	0.0860	0.8710	0.7737	0.3035
bank	0.9136	0.0864	0.9136	0.5178	0.5678
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7918	0.3460
basehock	0.9648	0.0352	0.9648	0.9297	0.1892
bio	1.0000	0.0031	0.9936	0.7973	0.1158
biodeg	0.8857	0.1143	0.8857	0.7553	0.4788
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0000	1.0000	0.1537	0.3224
block10%	1.0000	0.0000	1.0000	1.0000	0.0003
block10%	1.0000	0.0000	1.0000	1.0000	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.1818	0.8787
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.6000	0.1143	0.6000	0.4872	0.2318
bub10at310k-hg16-17	0.9323	0.0878	0.8945	0.0335	0.2313
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5957	0.5032
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	1.0000	0.0000	1.0000	1.0000	0.0000
card	0.8841	0.1159	0.8841	0.7643	0.4795
cardiotocography	0.8732	0.0254	0.8732	0.8481	0.1546
cardiotocography-nsp	0.9484	0.0344	0.9484	0.8543	0.1736
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8214	0.2460
cas_N6512_cdk_ECFP2	0.7143	0.2857	0.7143	0.4306	0.7925
cdc_diabetes	0.8603	0.1007	0.8430	0.1539	0.2871
census10%	0.9620	0.0459	0.9521	0.4227	0.3705
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	1.0000	0.8876	0.0681
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3455	0.8195
cirrhosis	0.8333	0.1111	0.8333	0.6581	0.2775
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8352	0.0824	0.8352	0.7402	0.3244
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4286	0.3779
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5646	0.2902	0.5646	0.3189	0.6862
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0724
codon_usage	0.9371	0.0114	0.9371	0.9233	0.1040
coil20	0.9861	0.0014	0.9861	0.9854	0.0096
collins	0.9800	0.0027	0.9800	0.9780	0.0100
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7586	0.2414	0.7586	0.4528	0.7574
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.6897	0.3103	0.6897	0.1212	0.8758

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7419	0.1720	0.7419	0.5804	0.3096
connect-4	0.9846	0.0103	0.9846	0.4832	0.0316
cottonmeloidogyne	0.7692	0.2308	0.7692	0.5388	0.7130
coupon	0.7058	0.2942	0.7058	0.3720	0.7622
covtype	0.9717	0.0115	0.9715	0.9403	0.1069
covtypeCD	0.9911	0.0089	0.9911	0.9616	0.0925
covtypeT	0.9860	0.0140	0.9860	0.8878	0.1954
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.9456	0.0181	0.9456	0.8871	0.1835
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4062	0.0297	0.4062	0.3902	0.1091
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7593	0.2407	0.7593	0.5049	0.7398
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8107	0.1893	0.8107	0.3361	0.6835
deposit	0.8974	0.1026	0.8974	0.3891	0.5926
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.9167	0.0833	0.9167	0.8333	0.2846
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5746	0.6524
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5867	0.2812	0.5883	0.1562	0.5455
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5833	0.4167	0.5833	0.1176	0.9466
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5479	0.4460	0.5525	0.1095	0.9819
dropout	0.7765	0.1490	0.7765	0.6239	0.4411
drug-01	0.3564	0.1839	0.3564	0.0376	0.6396
drug-02	0.5266	0.1353	0.5266	0.1930	0.6309
drug-03	0.6489	0.1003	0.6489	0.0664	0.4857
drug-04	0.5000	0.1429	0.5000	0.1079	0.7052
drug-05	0.7234	0.0790	0.7234	-0.0138	0.3210
drug-06	0.4043	0.1702	0.4043	0.2542	0.5852
drug-07	0.4149	0.1672	0.4149	0.0452	0.4594
drug-08	0.5372	0.1322	0.5372	0.1691	0.5911
drug-09	0.8511	0.0426	0.8511	0.0633	0.3346
drug-10	0.5426	0.1307	0.5426	0.1642	0.5057
drug-11	0.8138	0.0532	0.8138	-0.0395	0.4790
drug-12	0.7660	0.0669	0.7660	-0.0326	0.3484
drug-13	0.6170	0.1094	0.6170	0.2859	0.4597
drug-14	0.5904	0.1170	0.5904	0.3141	0.5794
drug-15	0.7553	0.0699	0.7553	0.1512	0.3711
drug-16	0.5585	0.1261	0.5585	0.2744	0.5686
drug-17	0.3989	0.1717	0.3989	0.1903	0.6417
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	0.1207	0.3916
drybean	0.9221	0.0223	0.9221	0.9058	0.1260
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5163	0.0605	0.5163	0.4621	0.5356
eeg-eye	0.9266	0.0734	0.9266	0.8510	0.3451
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6667	0.5796
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6617	0.5886
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6575	0.1370	0.6575	0.5605	0.3679
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9671	0.0220	0.9758	0.9758	0.1391
fbis-wc	0.8415	0.0187	0.8415	0.8193	0.1179
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.6000	0.1000	0.6000	0.4872	0.2115
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5411	0.0061	0.5339	0.5137	0.5606
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9942	0.0019	0.9942	0.9930	0.0149
gastrointestinal	0.7500	0.1667	0.7500	0.5975	0.4319
gender	0.5895	0.2737	0.5895	0.1510	0.6406
gene	0.9495	0.0336	0.9495	0.9188	0.1537
german	0.7200	0.2800	0.7200	0.3017	0.7423
gina	0.9654	0.0346	0.9654	0.9308	0.2025
glass	0.7143	0.0952	0.7143	0.6013	0.2355
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.6667	0.3333	0.6667	0.2759	0.8607
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8929	0.1071	0.8929	0.7840	0.4385
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4894
haberman	0.7000	0.3000	0.7000	0.1290	0.8673
hapt	0.9735	0.0044	0.9735	0.9686	0.0278
har70	0.9212	0.0230	0.9079	0.8926	0.1161
harth10%	0.8377	0.0250	0.8570	0.7878	0.2045
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8145	0.1953	0.8133	0.6122	0.5977
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5624	0.4452	0.5530	0.0534	0.5843
higher	0.5000	0.1250	0.5000	0.4201	0.2036
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8853	0.1147	0.8853	0.5046	0.5009
hiva	0.9527	0.0473	0.9527	0.0699	0.6111
horse	0.6944	0.2037	0.6944	0.4598	0.5123
htru2	0.9749	0.0251	0.9749	0.8460	0.2970
ht-sensor	1.0000	0.0002	0.9897	0.9854	0.0016
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6949	0.3051	0.6949	0.2563	0.8528
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8947	0.0081	0.8947	0.8905	0.0936
jm1	0.8237	0.1763	0.8237	0.2345	0.6091
fvowels	0.9809	0.0042	0.9809	0.9784	0.0335
kc1	0.8626	0.1374	0.8626	0.3196	0.5977
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.3243	0.8514
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.0261	0.1597
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.7840	0.0240	0.7840	0.7584	0.2268
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.8921	0.0360	0.8921	0.8631	0.1720
la2s-wc	0.8940	0.0353	0.8940	0.8662	0.1900
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5882	0.0206	0.5882	0.5723	0.0802
led24	0.5500	0.0900	0.5500	0.4930	0.1888
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9480	0.0040	0.9480	0.9459	0.0609
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6667	0.0444	0.6667	0.6418	0.1443
linkage10%	1.0000	0.0001	1.0000	1.0000	0.0209
liver	0.7353	0.2647	0.7353	0.4354	0.7621
localization	0.7218	0.0519	0.7202	0.6333	0.3495
lrs	0.8113	0.0377	0.8113	0.7387	0.1536
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.8500	0.1500	0.8500	0.7000	0.5605
magic04	0.8832	0.1168	0.8832	0.7362	0.4740

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5839	0.6742
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7893	0.3270
messidor	0.6696	0.3304	0.6696	0.3277	0.8607
meter-A	0.7500	0.2500	0.7500	0.4667	0.7630
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0508
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1704
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0568
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2181
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0250
mfeat-zer	0.7900	0.0420	0.7900	0.7667	0.1466
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0098
mines	0.6176	0.1529	0.6176	0.5216	0.3539
mobile	0.8042	0.0070	0.8042	0.8006	0.0883
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9641	0.1262
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9576	0.0424	0.9576	0.8171	0.1310
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9823
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8058
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4026	0.8148
MUT_ci300400a	0.8409	0.1591	0.8409	0.6757	0.5862
MUT_ci300400a_cdk_ECFP2	0.7794	0.2206	0.7794	0.5460	0.7079
myocardial	0.8941	0.0265	0.8941	0.4740	0.0892
naticusdroid	0.9703	0.0297	0.9703	0.9407	0.1796
nci9	0.3333	0.1481	0.3333	0.2258	0.1321
ncRNA10%	0.9153	0.0094	0.9337	0.7310	0.4351
newspop	0.6403	0.3597	0.6403	0.2589	0.8345
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9591	0.0409	0.9591	0.8990	0.2510
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0493	0.7017
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0783
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9208	0.0158	0.9208	0.9093	0.0760
oh10-wc	0.7714	0.0457	0.7714	0.7382	0.2069
oh15-wc	0.8913	0.0217	0.8913	0.8763	0.1007
oh5-wc	0.7802	0.0440	0.7802	0.7509	0.1932
opn310k	0.9260	0.0775	0.9384	0.4425	0.5466
opnat310k-hg16-17	0.9032	0.0881	0.9061	0.0390	0.2409
optdigits	0.9733	0.0053	0.9733	0.9703	0.0384
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.7250	0.0138	0.7250	0.7179	0.0515
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	0.1349	0.5847
ozone8hr	0.9328	0.0672	0.9328	0.3410	0.5012
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9083	0.2761

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	1.0000	0.0000	1.0000	1.0000	0.0000
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.9420	0.0755	0.9457	0.8271	0.3956
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9369	0.0631	0.9369	0.4299	0.5443
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.9474	0.0526	0.9474	0.8491	0.1655
pediatric-leukemia	0.9118	0.0252	0.9118	0.8922	0.0762
pendigits	0.9945	0.0011	0.9945	0.9939	0.0099
period	0.6667	0.3333	0.6667	0.1818	0.8798
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6374	0.6027
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8177
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7621	0.4761
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.4898	0.7465
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9714	0.0286	0.9714	0.9397	0.1676
phoneme	0.9130	0.0870	0.9130	0.7853	0.4365
phy	0.6972	0.3028	0.6972	0.3944	0.8247
pima	0.7368	0.2632	0.7368	0.4362	0.7761
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7762	0.0440	0.7652	0.5967	0.1791
polish-1st	0.9829	0.0171	0.9829	0.7189	0.1802
polish-2nd	0.9705	0.0295	0.9705	0.4865	0.3786
polish-3rd	0.9648	0.0352	0.9648	0.4775	0.3594
polish-4th	0.9704	0.0296	0.9704	0.6442	0.3209
polish-5th	0.9712	0.0288	0.9712	0.7457	0.2724
polya	0.7827	0.2173	0.7827	0.4958	0.6808
popularity	0.6696	0.2203	0.6696	0.1878	0.4278
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	1.0000	0.0043	0.9762	1.0000	0.0309
pred-tox_mutagen_ref-desc	0.7059	0.2941	0.7059	0.4118	0.8115
primary-tumor	0.3333	0.0606	0.3333	0.2652	0.2770
profb	0.7015	0.2985	0.7015	0.2136	0.7942
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9776	0.0032	1.0000	0.9818	0.0255
pufs-6410%	0.4979	0.4937	0.5080	0.0011	0.9848
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8733	0.0195	0.8733	0.8361	0.2028
re1-wc	0.8494	0.0120	0.8494	0.8280	0.1140
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6502	0.3498	0.6502	0.2714	0.8853
RT_IOT2022	1.0000	0.0007	1.0000	0.9909	0.0057
satimage	0.9145	0.0285	0.9145	0.8945	0.1489
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.9533	0.0467	0.9533	0.6979	0.2975
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.9995	0.0005	0.9995	0.9990	0.0057
segment	0.9740	0.0074	0.9740	0.9696	0.0338
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram	0.8763	0.1237	0.8763	0.0998	0.2600
sens-3-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sens-4-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sensorless	0.9985	0.0003	0.9985	0.9983	0.0035
sepsis	0.8966	0.0904	0.9020	0.0000	0.2133
shoppers	0.8986	0.1014	0.8986	0.5755	0.5579
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9796	0.0004	1.0000	1.0000	0.0105
smk_can_187	0.5263	0.4737	0.5263	0.0757	0.9099
solar-flare	0.7770	0.0743	0.7770	0.7151	0.2036
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9391	0.0609	0.9391	0.8720	0.3070
spect	0.6667	0.3333	0.6667	0.0899	0.8578
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4906	0.0212	0.4906	0.4624	0.1507
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9464	0.0536	0.9464	0.8522	0.3405
sport-articles	0.8400	0.1600	0.8400	0.6529	0.5962
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8821	0.1179	0.8821	0.6211	0.5536
steel-d	0.9795	0.0205	0.9795	0.7039	0.4990
steel_industry	0.9090	0.0607	0.9090	0.8520	0.2173
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8308	0.1692	0.8308	0.6101	0.5991
steel-p	0.9333	0.0667	0.9333	0.5445	0.5693
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3077	0.4615	0.3077	-0.0833	0.7006
student-weekend	0.3846	0.2462	0.3846	0.1645	0.6452
student-workday	0.7188	0.1125	0.7188	0.2945	0.3281
susy10%	0.7828	0.2357	0.7651	0.5253	0.7260
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9836	0.0030	0.9836	0.9820	0.0245
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9252	0.0748	0.9252	0.7876	0.3556
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.6471	0.1765	0.6471	0.5321	0.2598
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	-0.0726	0.9159
trec11-wc	0.8537	0.0325	0.8537	0.8226	0.1428
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0206
trec41-wc	0.9545	0.0091	0.9545	0.9443	0.0478
trec45-wc	0.9420	0.0116	0.9420	0.9322	0.0418
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8000	0.1000	0.8000	0.7333	0.2335
tvnews	0.9638	0.0548	0.9661	0.8774	0.2806
urban	0.8806	0.0265	0.8806	0.8597	0.1040
vehicle	0.8214	0.0893	0.8214	0.7594	0.1722
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6768	0.0588	0.6768	0.6444	0.2200
vowelZ	1.0000	0.0000	1.0000	1.0000	0.0000
vrnormat310k-hg16-17	0.9089	0.0916	0.9287	0.0011	0.2436
wap-wc	0.8205	0.0179	0.8205	0.7992	0.1311
warpar10p	0.6154	0.0769	0.6154	0.5695	0.1275
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9799	0.0002	1.0000	0.9977	0.0023
watch-gyr10%	1.0000	0.0002	1.0000	1.0000	0.0022
waveform	0.8500	0.1000	0.8500	0.7750	0.3543
web-phishing	0.8667	0.0889	0.8667	0.7652	0.3899
weight-lift	0.9997	0.0001	0.9997	0.9997	0.0009
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.7358	0.0881	0.7358	0.5671	0.2879
winequality-white	0.6810	0.0911	0.6810	0.5165	0.4408
winnipeg	0.9600	0.0064	0.9923	0.9644	0.0490
yale	0.4375	0.0750	0.4375	0.4000	0.1634
yeast	0.5811	0.0838	0.5811	0.4589	0.4527
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9484	0.0103	0.9484	0.9422	0.0831
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 126: Detailed results for NewtonBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1535	0.0584	0.1535	0.0715	0.5733
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9841	0.0159	0.9841	0.2766	0.2863
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8696	0.1304	0.8696	0.6128	0.5619
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9992	0.0008	0.9992	-0.0003	0.2587
AID373red	0.9983	0.0017	0.9983	-0.0008	0.5343
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3412	0.8452
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9980	0.0020	0.9980	0.6657	0.2771
AID604AID644_AllRed	0.9993	0.0007	0.9993	0.6663	0.4329
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9973	0.0027	0.9973	-0.0009	0.2855
AID687red	0.9946	0.0054	0.9946	-0.0027	0.5342
AID688red	0.9864	0.0136	0.9864	-0.0060	0.5628
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9978	0.0022	0.9978	-0.0011	0.4864
AID746red	0.9906	0.0094	0.9906	0.0922	0.5543
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9889	0.0056	0.9889	0.9788	0.0303
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0637
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0374
aps-failure	0.9918	0.0082	0.9918	0.7499	0.3139
arcene	0.7500	0.2500	0.7500	0.4681	0.7547
arrhythmia	0.8000	0.0308	0.8000	0.6678	0.1140
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.9130	0.0072	0.9130	0.9002	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8020	0.1409
avila	0.9986	0.0002	0.9986	0.9981	0.0275
balance	0.8065	0.1290	0.8065	0.6684	0.3713
bank	0.9170	0.0830	0.9170	0.5572	0.5663
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7924	0.3563
basehock	0.9497	0.0503	0.9497	0.8995	0.2368
bio	0.9786	0.0030	1.0000	0.8159	0.1153
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9796	0.0000	1.0000	0.1533	0.3236
block10%	1.0000	0.0000	0.9883	0.9950	0.0003
block10%	1.0000	0.0000	0.9883	0.9950	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.2727	0.7273	0.2727	-0.4667	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1621
bub10at310k-hg16-17	0.9014	0.0904	0.8937	0.0332	0.2295
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	1.0000	0.0000	1.0000	1.0000	0.0000
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8685	0.0263	0.8685	0.8426	0.1618
cardiotocography-nsp	0.9577	0.0282	0.9577	0.8799	0.1413
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8174	0.1727
cas_N6512_cdk_ECFP2	0.7588	0.2412	0.7588	0.5160	0.7361
cdc_diabetes	0.8646	0.0997	0.8647	0.1520	0.2914
census10%	0.9523	0.0456	0.9691	0.4245	0.3685
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9419	0.0581	0.9419	0.5147	0.5542
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	1.0000	0.0000	1.0000	1.0000	0.0000
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	1.0000	0.8678	0.0682
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.7970	0.3704
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3862	0.8123
cirrhosis	0.8333	0.1111	0.8333	0.6581	0.2775
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8769	0.0616	0.8769	0.8087	0.2669
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4667	0.4938
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5578	0.2948	0.5578	0.3012	0.6734
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0608
codon_usage	0.9424	0.0105	0.9424	0.9299	0.0935
coil20	0.9861	0.0014	0.9861	0.9854	0.0096
collins	0.9800	0.0027	0.9800	0.9780	0.0100
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6897	0.3103	0.6897	0.3290	0.8399
colposcopies-2	0.7931	0.2069	0.7931	0.5085	0.4011
colposcopies-3	0.5517	0.4483	0.5517	0.0157	0.9614
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	-0.1810	0.8560
colposcopies-6	0.8276	0.1724	0.8276	0.6506	0.4011
colposcopies-c	0.6897	0.3103	0.6897	0.1092	0.8754
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9997	0.0002	0.9997	0.9932	0.0010
cottonmeloidogyne	0.8053	0.1947	0.8053	0.6107	0.6525
coupon	0.7595	0.2405	0.7595	0.5021	0.7321
covtype	0.9842	0.0112	0.9497	0.9528	0.1094
covtypeCD	0.9911	0.0089	0.9911	0.9619	0.1068
covtypeT	0.9842	0.0158	0.9842	0.8758	0.2470
cox2_cdk_ECFP2	0.8913	0.1087	0.8913	0.6048	0.4821
crowdsourced	0.9539	0.0154	0.9539	0.9047	0.1094
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4375	0.0281	0.4375	0.4199	0.0895
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7222	0.2778	0.7222	0.4223	0.7914
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8213	0.1787	0.8213	0.3878	0.6667
deposit	0.9058	0.0942	0.9058	0.4839	0.5860
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5684	0.2848	0.5870	0.1589	0.5480
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.1200	0.9093
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5671	0.4427	0.5489	0.1134	0.9698
dropout	0.7720	0.1520	0.7720	0.6222	0.4679
drug-01	0.3457	0.1869	0.3457	0.0455	0.6429
drug-02	0.5213	0.1368	0.5213	0.1961	0.6002
drug-03	0.6383	0.1033	0.6383	0.1134	0.5121
drug-04	0.4574	0.1550	0.4574	0.0651	0.7951
drug-05	0.7340	0.0760	0.7340	0.0133	0.1846
drug-06	0.3777	0.1778	0.3777	0.2204	0.6359
drug-07	0.3670	0.1809	0.3670	-0.0136	0.5224
drug-08	0.5000	0.1429	0.5000	0.1139	0.7460
drug-09	0.8670	0.0380	0.8670	0.0617	0.2179
drug-10	0.5213	0.1368	0.5213	0.1388	0.5433
drug-11	0.8245	0.0502	0.8245	0.0648	0.4879
drug-12	0.7500	0.0714	0.7500	0.0038	0.4575
drug-13	0.6064	0.1125	0.6064	0.2715	0.4677
drug-14	0.5585	0.1261	0.5585	0.2548	0.6152
drug-15	0.7553	0.0699	0.7553	0.1734	0.4445
drug-16	0.5585	0.1261	0.5585	0.2772	0.5151
drug-17	0.3511	0.1854	0.3511	0.1419	0.7736
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7606	0.0684	0.7606	0.0990	0.4099
drybean	0.9251	0.0214	0.9251	0.9094	0.1184
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5610	0.0549	0.5610	0.5133	0.5212
eeg-eye	0.8598	0.1402	0.8598	0.7146	0.5304
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4298	0.7489
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6667	0.5796
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.3754	0.5647
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6438	0.1425	0.6438	0.5429	0.3774
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9834	0.0219	0.9754	0.9627	0.1368
fbis-wc	0.8455	0.0182	0.8455	0.8238	0.1007
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.4855	0.1594
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5269	0.0061	0.5365	0.5132	0.5508
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9957	0.0014	0.9957	0.9948	0.0105
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.4081
gender	0.5621	0.2919	0.5621	0.0874	0.6181
gene	0.9527	0.0315	0.9527	0.9244	0.1599
german	0.7400	0.2600	0.7400	0.3705	0.7408
gina	0.9597	0.0403	0.9597	0.9193	0.2251
glass	0.8571	0.0476	0.8571	0.8013	0.1361
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4230
haberman	0.6667	0.3333	0.6667	-0.0135	0.9051
hapt	0.9771	0.0038	0.9771	0.9729	0.0269
har70	0.9030	0.0225	0.9306	0.8916	0.1193
harth10%	0.8505	0.0248	0.8270	0.8037	0.2055
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8102	0.1981	0.8023	0.6093	0.5874
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.3478	0.8010
higgs10%	0.5467	0.4544	0.5566	0.0541	0.5982
higher	0.3571	0.1607	0.3571	0.2270	0.2881
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.9039	0.0961	0.9039	0.6127	0.4789
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6944	0.2037	0.6944	0.4598	0.5123
htru2	0.9816	0.0184	0.9816	0.8845	0.1993
ht-sensor	1.0000	0.0002	0.9862	1.0000	0.0016
hypothyroid	0.9947	0.0027	0.9947	0.9675	0.0098
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6780	0.3220	0.6780	0.2010	0.8744
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9191	0.0062	0.9191	0.9159	0.0743
jm1	0.8237	0.1763	0.8237	0.2345	0.6091
fvowels	0.9890	0.0025	0.9890	0.9875	0.0198
kc1	0.8815	0.1185	0.8815	0.4318	0.5288
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2462	0.1146
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.7458	0.0282	0.7458	0.7158	0.2517
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.8952	0.0349	0.8952	0.8674	0.1800
la2s-wc	0.9139	0.0287	0.9139	0.8912	0.1564
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5993	0.0791
led24	0.6500	0.0700	0.6500	0.6023	0.1861
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9545	0.0035	0.9545	0.9527	0.0524
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7620	0.0883
linkage10%	0.9933	0.0001	0.9850	0.9812	0.0211
liver	0.7941	0.2059	0.7941	0.5182	0.7036
localization	0.7375	0.0510	0.7080	0.6531	0.3597
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1255
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0294
madelon	0.8385	0.1615	0.8385	0.6769	0.5861
magic04	0.8864	0.1136	0.8864	0.7428	0.4609

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7747	0.3494
messidor	0.6696	0.3304	0.6696	0.3277	0.8607
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0486
mfeat-fou	0.8450	0.0310	0.8450	0.8278	0.1363
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0695
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.1996
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0311
mfeat-zer	0.7600	0.0480	0.7600	0.7333	0.1630
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5570	0.3820
mobile	0.8741	0.0045	0.8741	0.8718	0.0572
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9682	0.0318	0.9682	0.8671	0.1064
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7265
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3362	0.8559
MUT_ci300400a	0.8434	0.1566	0.8434	0.6793	0.5806
MUT_ci300400a_cdk_ECFP2	0.7986	0.2014	0.7986	0.5854	0.6735
myocardial	0.8882	0.0279	0.8882	0.4439	0.0935
naticusdroid	0.9686	0.0314	0.9686	0.9373	0.1876
nci9	0.6667	0.0741	0.6667	0.6000	0.0833
ncRNA10%	0.8905	0.0090	0.8938	0.7389	0.4308
newspop	0.6789	0.3211	0.6789	0.3518	0.8467
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9655	0.0345	0.9655	0.9153	0.2285
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0633	0.7377
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0835
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9010	0.0198	0.9010	0.8865	0.1032
oh10-wc	0.8000	0.0400	0.8000	0.7718	0.1815
oh15-wc	0.8804	0.0239	0.8804	0.8639	0.1076
oh5-wc	0.8132	0.0374	0.8132	0.7884	0.1568
opn310k	0.9413	0.0784	0.9082	0.4422	0.5595
opnat310k-hg16-17	0.8997	0.0915	0.9101	0.0375	0.2472
optdigits	0.9733	0.0053	0.9733	0.9703	0.0402
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8500	0.0075	0.8500	0.8462	0.0265
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9854	0.0059	0.9854	0.9177	0.1355

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	1.0000	0.0000	1.0000	1.0000	0.0000
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.9424	0.0752	0.9333	0.8040	0.4030
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.4897	0.5103	0.4897	-0.1093	1.0000
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.7941	0.0588	0.7941	0.7463	0.1856
pendigits	0.9927	0.0015	0.9927	0.9919	0.0140
period	0.6667	0.3333	0.6667	0.1818	0.8798
period-10f	0.2222	0.7778	0.2222	-0.4000	0.9533
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.6038	0.6383
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8177
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6981	0.5608
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9714	0.0286	0.9714	0.9399	0.1774
phoneme	0.8963	0.1037	0.8963	0.7456	0.4901
phy	0.7354	0.2646	0.7354	0.4707	0.7718
pima	0.7895	0.2105	0.7895	0.5435	0.6720
plx	0.6667	0.3333	0.6667	-0.1020	0.8617
poker	0.7761	0.0438	0.7960	0.5913	0.1777
polish-1st	0.9801	0.0199	0.9801	0.6573	0.1924
polish-2nd	0.9725	0.0275	0.9725	0.4885	0.2538
polish-3rd	0.9619	0.0381	0.9619	0.4278	0.3976
polish-4th	0.9735	0.0265	0.9735	0.6976	0.3305
polish-5th	0.9712	0.0288	0.9712	0.7389	0.2318
polya	0.7968	0.2032	0.7968	0.5469	0.6850
popularity	0.6800	0.2134	0.6800	0.2638	0.5119
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9913	0.0043	0.9995	1.0000	0.0313
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8639
primary-tumor	0.3333	0.0606	0.3333	0.2667	0.2612
profb	0.7164	0.2836	0.7164	0.2820	0.8001
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9943	0.0032	0.9730	0.9773	0.0254
pufs-6410%	0.4920	0.5040	0.4930	0.0011	0.9856
raisin	0.8889	0.1111	0.8889	0.7778	0.4596
re0-wc	0.8400	0.0246	0.8400	0.7951	0.2284
re1-wc	0.8675	0.0106	0.8675	0.8492	0.1146
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7068	0.2932	0.7068	0.3883	0.8191
RT_IOT2022	1.0000	0.0007	0.9948	0.9891	0.0056
satimage	0.9098	0.0301	0.9098	0.8886	0.1484
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9425	0.0575	0.9425	0.6304	0.4082
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.5556	0.4444	0.5556	-0.2857	0.9011
schizo	0.6176	0.3824	0.6176	0.2353	0.9116
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	0.9851	0.0149	0.9851	0.9698	0.1063
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-2-gram	0.8711	0.1289	0.8711	0.1116	0.4810
sens-3-gram	0.8789	0.1211	0.8789	0.1770	0.4180
sens-4-gram	0.8658	0.1342	0.8658	0.1223	0.5839
sensorless	0.9985	0.0003	0.9985	0.9983	0.0036
sepsis	0.9276	0.0894	0.9106	0.0000	0.2094
shoppers	0.8978	0.1022	0.8978	0.5711	0.5599
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0004	1.0000	1.0000	0.0103
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.7626	0.0791	0.7626	0.6965	0.2026
sonar	0.5000	0.5000	0.5000	0.0000	1.0000
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9435	0.0565	0.9435	0.8811	0.2904
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5472	0.0189	0.5472	0.5214	0.1263
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9558	0.0442	0.9558	0.8800	0.3080
sport-articles	0.8600	0.1400	0.8600	0.6963	0.5487
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8667	0.1333	0.8667	0.5676	0.5965
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9070	0.0620	0.9070	0.8488	0.2220
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8103	0.1897	0.8103	0.5779	0.6660
steel-p	0.9385	0.0615	0.9385	0.5390	0.5226
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.4154	0.2338	0.4154	0.1883	0.6680
student-workday	0.7344	0.1062	0.7344	0.2718	0.3954
susy10%	0.7545	0.2388	0.7768	0.5330	0.7164
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9855	0.0026	0.9855	0.9840	0.0226
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8936	0.1064	0.8936	0.4051	0.2404
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9297	0.0703	0.9297	0.8046	0.3660
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5321	0.2670
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.8780	0.0271	0.8780	0.8520	0.1165
trec12-wc	0.8387	0.0403	0.8387	0.8070	0.1456

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9573	0.0429
trec41-wc	0.9432	0.0114	0.9432	0.9307	0.0749
trec45-wc	0.9130	0.0174	0.9130	0.8981	0.0693
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7500	0.1250	0.7500	0.6667	0.2533
tvnews	0.9339	0.0541	0.9642	0.8714	0.2800
urban	0.8358	0.0365	0.8358	0.8076	0.1529
vehicle	0.7857	0.1071	0.7857	0.7118	0.1802
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5960	0.0735	0.5960	0.5556	0.2575
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
vrnormat310k-hg16-17	0.9221	0.0920	0.9208	0.0012	0.2418
wap-wc	0.8269	0.0173	0.8269	0.8067	0.1385
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0390
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	1.0000	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	1.0000	0.0002	0.9946	0.9806	0.0022
waveform	0.8520	0.0987	0.8520	0.7780	0.3485
web-phishing	0.8741	0.0840	0.8741	0.7789	0.3882
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0024
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.7233	0.0922	0.7233	0.5503	0.3532
winequality-white	0.6524	0.0993	0.6524	0.4682	0.3835
winnipeg	1.0000	0.0062	0.9877	0.9778	0.0482
yale	0.5000	0.0667	0.5000	0.4667	0.1007
yeast	0.5473	0.0905	0.5473	0.4108	0.3826
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9570	0.0086	0.9570	0.9518	0.0707
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 127: Detailed results for TSSE-BIM(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1391	0.0594	0.1391	0.0696	0.6718
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9812	0.0188	0.9812	0.4024	0.5338
ads	0.9695	0.0305	0.9695	0.8736	0.2888
adult	0.8395	0.1605	0.8395	0.5704	0.6537
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.9029	0.0971	0.9029	0.1166	0.6834
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.7714	0.2286	0.7714	0.1959	0.8023
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9208	0.0792	0.9208	0.0190	0.0798
AID600_MACCS	0.7568	0.2432	0.7568	0.4900	0.7464
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9994	0.0006	0.9994	0.9140	0.2373
AID604AID644_AllRed	0.9977	0.0023	0.9977	0.1239	0.4716
AID644Morered	0.5500	0.4500	0.5500	-0.1250	0.9680
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8283	0.1145	0.8283	0.1652	0.5885
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9958	0.0042	0.9958	-0.0017	0.5306
AID688red	0.9323	0.0677	0.9323	-0.0052	0.2224
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9925	0.0075	0.9925	0.1145	0.5147
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9495	0.0625
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9764	0.0059	0.9764	0.9611	0.0851
anuran-species	0.9806	0.0039	0.9806	0.9730	0.0458
aps-failure	0.9930	0.0070	0.9930	0.7918	0.2965
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.7556	0.0376	0.7556	0.6230	0.2921
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8493	0.0387
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9942	0.0010	0.9942	0.9925	0.0226
balance	0.8065	0.1290	0.8065	0.6684	0.3713
bank	0.9048	0.0952	0.9048	0.5534	0.6108
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8618	0.1382	0.8618	0.6981	0.5486
basehock	0.9347	0.0653	0.9347	0.8693	0.3053
bio	1.0000	0.0031	1.0000	0.8055	0.1159
biodeg	0.8667	0.1333	0.8667	0.7200	0.5345
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9591	0.0000	0.9963	0.1528	0.3322
block10%	0.9982	0.0000	1.0000	0.9913	0.0003
block10%	0.9982	0.0000	1.0000	0.9913	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.2857	0.7711
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0635
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9153	0.0899	0.9156	0.0326	0.2363
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8545	0.0291	0.8545	0.8258	0.1771
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8454	0.1919
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6992	0.4147
cas_N6512_cdk_ECFP2	0.7481	0.2519	0.7481	0.4938	0.7538
cdc_diabetes	0.8549	0.1009	0.8689	0.1512	0.2856
census10%	0.9507	0.0459	0.9764	0.4215	0.3762
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9070	0.0930	0.9070	0.1506	0.6606
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	1.0000	0.0002	1.0000	0.9052	0.0694
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m.ExtendedFingerprinter	0.9273	0.0727	0.9273	0.8394	0.3291
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3569	0.8248
cirrhosis	0.6905	0.2063	0.6905	0.3947	0.6207
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7880	0.1060	0.7880	0.6742	0.4657
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	0.1892	0.6967
cmc	0.4966	0.3356	0.4966	0.2265	0.7345
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0609
codon_usage	0.8979	0.0186	0.8979	0.8761	0.1712
coil20	0.9792	0.0021	0.9792	0.9781	0.0147
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.2500	0.8750
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7931	0.2069	0.7931	0.4821	0.7248

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6552	0.3448	0.6552	0.3062	0.8683
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9930	0.0046	0.9930	0.8369	0.2369
cottonmeloidogyne	0.7332	0.2668	0.7332	0.4659	0.7713
coupon	0.7681	0.2319	0.7681	0.5307	0.7221
covtype	0.9707	0.0115	0.9842	0.9582	0.1099
covtypeCD	0.9876	0.0124	0.9876	0.9477	0.1651
covtypeT	0.9878	0.0122	0.9878	0.9053	0.2132
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.4474	0.7097
crowdsourced	0.9447	0.0184	0.9447	0.8867	0.2241
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3561	0.1074
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.7963	0.2037	0.7963	0.5811	0.6753
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8000	0.2000	0.8000	0.4017	0.7430
deposit	0.8965	0.1035	0.8965	0.5103	0.6297
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	0.1304	0.4947
dexter	0.8500	0.1500	0.8500	0.7000	0.5590
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5236	0.7134
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5915	0.2820	0.5855	0.1568	0.5448
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5482	0.4532	0.5656	0.1122	0.9712
dropout	0.7607	0.1595	0.7607	0.6052	0.4406
drug-01	0.3404	0.1885	0.3404	0.0956	0.7908
drug-02	0.4521	0.1565	0.4521	0.1393	0.7841
drug-03	0.5479	0.1292	0.5479	0.1509	0.7814
drug-04	0.4947	0.1444	0.4947	0.1950	0.7387
drug-05	0.5266	0.1353	0.5266	0.0244	0.8193
drug-06	0.3883	0.1748	0.3883	0.2410	0.6093
drug-07	0.3617	0.1824	0.3617	0.0624	0.8875
drug-08	0.4947	0.1444	0.4947	0.1950	0.7575
drug-09	0.6915	0.0881	0.6915	0.0998	0.6902
drug-10	0.4734	0.1505	0.4734	0.1253	0.7302
drug-11	0.6915	0.0881	0.6915	0.1176	0.6804
drug-12	0.5745	0.1216	0.5745	0.0989	0.7609
drug-13	0.5798	0.1201	0.5798	0.2611	0.6280
drug-14	0.5372	0.1322	0.5372	0.2553	0.6780
drug-15	0.5957	0.1155	0.5957	0.0777	0.8463
drug-16	0.5053	0.1413	0.5053	0.2704	0.7397
drug-17	0.3457	0.1869	0.3457	0.1324	0.7023
drug-18	0.8245	0.0702	0.8245	-0.0067	0.0505
drug-19	0.5372	0.1322	0.5372	0.0620	0.8259
drybean	0.9258	0.0212	0.9258	0.9102	0.1189
ecoli	0.7941	0.0515	0.7941	0.7207	0.1399
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8485	0.1515	0.8485	0.2029	0.6894
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5370	0.0579	0.5370	0.4857	0.5262
eeg-eye	0.9179	0.0821	0.9179	0.8341	0.3805
EPA_FHM	0.9344	0.0656	0.9344	0.4649	0.6023
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6739	0.5826
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.7336	0.5000
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8699	0.3522
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6894	0.4884
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7196	0.5081
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.5463	0.5751
eucalyptus	0.6575	0.1370	0.6575	0.5645	0.3670
euthyroid	0.9620	0.0380	0.9620	0.7723	0.3520
exon.vs.intron-freq	0.9965	0.0219	0.9842	0.9586	0.1404
fbis-wc	0.8171	0.0215	0.8171	0.7924	0.1598
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.7000	0.0750	0.7000	0.6178	0.1494
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5417	0.0061	0.5435	0.5182	0.5526
forest	0.8846	0.0577	0.8846	0.8398	0.1203
gas	0.9907	0.0031	0.9907	0.9887	0.0218
gastrointestinal	0.8750	0.0833	0.8750	0.8095	0.1719
gender	0.5537	0.2975	0.5537	0.1355	0.7223
gene	0.9180	0.0547	0.9180	0.8680	0.2285
german	0.7000	0.3000	0.7000	0.2840	0.8249
gina	0.9395	0.0605	0.9395	0.8788	0.2990
glass	0.7143	0.0952	0.7143	0.6111	0.3097
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.6667	0.3333	0.6667	0.3333	0.8617
grub-damage	0.6000	0.2000	0.6000	0.4479	0.4633
haberman	0.4000	0.6000	0.4000	-0.0976	0.8441
hapt	0.9524	0.0079	0.9524	0.9438	0.0619
har70	0.9123	0.0228	0.9288	0.8800	0.1183
harth10%	0.8372	0.0255	0.8639	0.7939	0.2028
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.7667	0.2333	0.7667	0.5291	0.7212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8164	0.2007	0.7956	0.6114	0.5860
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6000	0.4000	0.6000	0.1304	0.8900
higgs10%	0.5637	0.4438	0.5523	0.0539	0.5844
higher	0.2143	0.1964	0.2143	0.0778	0.3922
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8836	0.1164	0.8836	0.5661	0.5975
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.5556	0.2963	0.5556	0.2195	0.6887
htru2	0.9754	0.0246	0.9754	0.8507	0.3002
ht-sensor	1.0000	0.0002	0.9811	1.0000	0.0016
hypothyroid	0.8912	0.0544	0.8912	0.5730	0.1477
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6949	0.3051	0.6949	0.3270	0.8057
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8575	0.0110	0.8575	0.8518	0.1196
jm1	0.7851	0.2149	0.7851	0.3098	0.7743
fvowels	0.9558	0.0098	0.9558	0.9500	0.0777
kc1	0.8626	0.1374	0.8626	0.4591	0.6698
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.3000	0.0097
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.6923	0.3077	0.6923	0.0776	0.8583
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.9226	0.0086	0.9226	0.9136	0.0973
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8476	0.0508	0.8476	0.8069	0.2420
la2s-wc	0.8609	0.0464	0.8609	0.8247	0.2382
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6294	0.0675
led24	0.5000	0.1000	0.5000	0.4398	0.2261
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9425	0.0044	0.9425	0.9402	0.0681
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7020	0.1123
linkage10%	1.0000	0.0001	1.0000	1.0000	0.0215
liver	0.6765	0.3235	0.6765	0.2780	0.8579
localization	0.7231	0.0515	0.7123	0.6475	0.3610
lrs	0.8302	0.0340	0.8302	0.7632	0.1416
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0610
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7808	0.2192	0.7808	0.5615	0.6988
magic04	0.8790	0.1210	0.8790	0.7316	0.5054

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5817	0.6807
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7130	0.3953
messidor	0.7043	0.2957	0.7043	0.3957	0.8189
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0604
mfeat-fou	0.7750	0.0450	0.7750	0.7500	0.2055
mfeat-kar	0.8750	0.0250	0.8750	0.8611	0.1284
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2222
mfeat-pix	0.9100	0.0180	0.9100	0.9000	0.1007
mfeat-zer	0.6850	0.0630	0.6850	0.6500	0.2273
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4815	0.4209
mobile	0.8322	0.0060	0.8322	0.8291	0.0756
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8613	0.1473
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9452
mutagen_class_2	0.6176	0.3824	0.6176	0.2353	0.8249
mutagen_class_3	0.5362	0.4638	0.5362	0.0831	0.7336
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7265
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3326	0.8516
MUT_ci300400a	0.8446	0.1554	0.8446	0.6803	0.5749
MUT_ci300400a_cdk_ECFP2	0.8141	0.1859	0.8141	0.6189	0.6433
myocardial	0.8412	0.0397	0.8412	0.4298	0.5741
naticusdroid	0.9703	0.0297	0.9703	0.9407	0.1800
nci9	0.3333	0.1481	0.3333	0.2258	0.1146
ncRNA10%	0.9264	0.0093	0.8919	0.7275	0.4428
newspop	0.6498	0.3502	0.6498	0.2860	0.8632
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9681	0.0319	0.9681	0.9215	0.2125
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0924	0.7707
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9754	0.0938
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0431
oh0-wc	0.8911	0.0218	0.8911	0.8753	0.0973
oh10-wc	0.7238	0.0552	0.7238	0.6833	0.2221
oh15-wc	0.8478	0.0304	0.8478	0.8284	0.1454
oh5-wc	0.7143	0.0571	0.7143	0.6811	0.2463
opn310k	0.9441	0.0783	0.9176	0.4419	0.5545
opnat310k-hg16-17	0.9240	0.0887	0.9016	0.0386	0.2474
optdigits	0.9466	0.0107	0.9466	0.9407	0.0714
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	0.3305	0.5972
ozone8hr	0.9130	0.0870	0.9130	0.2239	0.6471
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8998	0.1774

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	1.0000	0.0000	1.0000	1.0000	0.0000
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9056	0.0779	0.9394	0.8288	0.4061
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.3567	0.6383
pcmac	0.4794	0.5206	0.4794	-0.0952	1.0000
pd	0.9211	0.0789	0.9211	0.7647	0.2161
pediatric-leukemia	0.7059	0.0840	0.7059	0.6332	0.2242
pendigits	0.9836	0.0033	0.9836	0.9818	0.0300
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8093	0.1907	0.8093	0.5469	0.6365
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.8135
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7612	0.4854
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9673	0.0327	0.9673	0.9312	0.1929
phoneme	0.9167	0.0833	0.9167	0.7952	0.4262
phy	0.6908	0.3092	0.6908	0.3821	0.8225
pima	0.7500	0.2500	0.7500	0.4480	0.7236
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7861	0.0440	0.7748	0.5905	0.1777
polish-1st	0.9801	0.0199	0.9801	0.6982	0.3509
polish-2nd	0.9715	0.0285	0.9715	0.5261	0.3980
polish-3rd	0.9657	0.0343	0.9657	0.5542	0.4465
polish-4th	0.9724	0.0276	0.9724	0.7014	0.3867
polish-5th	0.9662	0.0338	0.9662	0.7119	0.3736
polya	0.7038	0.2962	0.7038	0.3332	0.8323
popularity	0.6542	0.2305	0.6542	0.1994	0.6537
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9928	0.0042	0.9941	0.9848	0.0306
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3030	0.0634	0.3030	0.2418	0.2747
profb	0.6866	0.3134	0.6866	0.2456	0.8615
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	0.9091	0.0909	0.9091	0.8197	0.3145
puc-rio	1.0000	0.0032	1.0000	0.9918	0.0246
pufs-6410%	0.5024	0.5048	0.5060	0.0011	0.9736
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.8200	0.0277	0.8200	0.7690	0.2328
re1-wc	0.8494	0.0120	0.8494	0.8285	0.1453
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.7141	0.2859	0.7141	0.3997	0.8088
RT_IOT2022	1.0000	0.0007	0.9930	0.9931	0.0058
satimage	0.8880	0.0373	0.8880	0.8612	0.1728
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.9440	0.0560	0.9440	0.6594	0.4408
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.9487	0.0513	0.9487	0.3188	0.1394
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9697	0.0087	0.9697	0.9646	0.0398
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.2602	0.6213
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8526	0.1474	0.8526	0.0716	0.6775
sens-2-gram	0.8737	0.1263	0.8737	0.2750	0.6263
sens-3-gram	0.8711	0.1289	0.8711	0.2163	0.6074
sens-4-gram	0.8684	0.1316	0.8684	0.1908	0.6139
sensorless	0.9882	0.0021	0.9882	0.9870	0.0208
sepsis	0.9255	0.0915	0.9195	0.0000	0.2063
shoppers	0.8954	0.1046	0.8954	0.5925	0.5878
shuttle	0.9991	0.0002	0.9991	0.9976	0.0197
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0005	0.9872	1.0000	0.0100
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7338	0.0887	0.7338	0.6629	0.2738
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9853	0.0015	0.9853	0.9839	0.0114
spambase	0.9435	0.0565	0.9435	0.8811	0.2904
spect	0.7407	0.2593	0.7407	0.2921	0.7993
spectf	0.8857	0.1143	0.8857	0.7200	0.5179
spectrometer	0.6038	0.0165	0.6038	0.5811	0.1103
splice-EI	0.9621	0.0379	0.9621	0.9013	0.2711
splice-IE	0.9495	0.0505	0.9495	0.8628	0.3352
sport-articles	0.8500	0.1500	0.8500	0.6728	0.5692
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8513	0.1487	0.8513	0.5130	0.6362
steel-d	0.9846	0.0154	0.9846	0.7613	0.4382
steel_industry	0.9115	0.0590	0.9115	0.8569	0.2290
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8564	0.1436	0.8564	0.6795	0.5633
steel-p	0.9487	0.0513	0.9487	0.6596	0.5045
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9701	0.0240
studentap	0.5385	0.3077	0.5385	0.2642	0.5113
student-weekend	0.3077	0.2769	0.3077	0.0834	0.7453
student-workday	0.6250	0.1500	0.6250	0.1706	0.6685
susy10%	0.7554	0.2353	0.7526	0.5176	0.7219
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5673
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9673	0.0060	0.9673	0.9639	0.0468
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.3411	0.5745
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9013	0.0987	0.9013	0.7184	0.4508
titanic	0.6909	0.3091	0.6909	0.3504	0.8052
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.2339
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5333	0.4667	0.5333	-0.1682	0.8989
trec11-wc	0.8537	0.0325	0.8537	0.8206	0.0890
trec12-wc	0.8710	0.0323	0.8710	0.8448	0.1130

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7818	0.2320
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9677	0.0092	0.9677	0.9574	0.0329
trec41-wc	0.9432	0.0114	0.9432	0.9306	0.0625
trec45-wc	0.9420	0.0116	0.9420	0.9325	0.0507
tuandromd	0.9776	0.0224	0.9776	0.9321	0.2192
turkish	0.8000	0.1000	0.8000	0.7333	0.2854
tvnews	0.9560	0.0549	0.9500	0.8884	0.2807
urban	0.8657	0.0299	0.8657	0.8430	0.1173
vehicle	0.7500	0.1250	0.7500	0.6653	0.1636
vehicleVAN	0.9762	0.0238	0.9762	0.9365	0.1838
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.7907	0.2093	0.7907	0.5816	0.6797
vowel	0.4141	0.1065	0.4141	0.3556	0.3039
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.8910	0.0932	0.9025	0.0011	0.2444
wap-wc	0.7949	0.0205	0.7949	0.7705	0.1650
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0577
warppiel0p	0.9048	0.0190	0.9048	0.8942	0.0492
watch-acc10%	1.0000	0.0002	0.9940	0.9863	0.0024
watch-gyr10%	0.9980	0.0002	0.9884	1.0000	0.0023
waveform	0.8160	0.1227	0.8160	0.7240	0.4028
web-phishing	0.8593	0.0938	0.8593	0.7550	0.3824
weight-lift	0.9967	0.0013	0.9967	0.9958	0.0100
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9834	0.0166	0.9834	0.8313	0.3592
wine	0.9412	0.0392	0.9412	0.9006	0.1533
winequality-red	0.6855	0.1048	0.6855	0.5078	0.6057
winequality-white	0.6626	0.0964	0.6626	0.5069	0.5616
winnipeg	0.9884	0.0064	0.9753	0.9682	0.0495
yale	0.7500	0.0333	0.7500	0.7322	0.0609
yeast	0.5473	0.0905	0.5473	0.4205	0.4565
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9344	0.0131	0.9344	0.9265	0.1056
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 128: Detailed results for TSSE-BIM(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0815	0.0633	0.0815	0.0278	0.7401
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.9825	0.0175	0.9825	0.3958	0.5011
ads	0.9665	0.0335	0.9665	0.8646	0.3281
adult	0.8378	0.1622	0.8378	0.5650	0.6574
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.9029	0.0971	0.9029	0.1166	0.6834
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.7333	0.2667	0.7333	0.1004	0.8253
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9259	0.0741	0.9259	0.0207	0.0842
AID600_MACCS	0.6486	0.3514	0.6486	0.2634	0.8879
AID_602330	0.9375	0.0625	0.9375	-0.0286	0.6474
AID604	0.9996	0.0004	0.9996	0.9410	0.1510
AID604AID644_AllRed	0.9977	0.0023	0.9977	0.2212	0.4750
AID644Morered	0.6000	0.4000	0.6000	-0.0526	0.9519
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.8889	0.0741	0.8889	0.1439	0.1376
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9955	0.0045	0.9955	-0.0020	0.5425
AID688red	0.9316	0.0684	0.9316	-0.0162	0.2170
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9925	0.0075	0.9925	0.1145	0.5147
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9805	0.0097	0.9805	0.9628	0.0467
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0859
anuran-species	0.9847	0.0031	0.9847	0.9788	0.0489
aps-failure	0.9942	0.0058	0.9942	0.8238	0.2270
arcene	0.7000	0.3000	0.7000	0.3750	0.8278
arrhythmia	0.7556	0.0376	0.7556	0.6366	0.2659
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8513	0.0125
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9966	0.0006	0.9966	0.9956	0.0101
balance	0.8226	0.1183	0.8226	0.6922	0.3731
bank	0.9060	0.0940	0.9060	0.5532	0.6088
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8756	0.1244	0.8756	0.7298	0.5159
basehock	0.9698	0.0302	0.9698	0.9397	0.1825
bio	1.0000	0.0030	1.0000	0.8170	0.1162
biodeg	0.8762	0.1238	0.8762	0.7412	0.5090
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9674	0.0000	1.0000	0.1533	0.3342
block10%	0.9975	0.0000	1.0000	1.0000	0.0003
block10%	0.9975	0.0000	1.0000	1.0000	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.2391	0.8288
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9261	0.0900	0.8986	0.0334	0.2312
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8551	0.1449	0.8551	0.7026	0.5548
cardiotocography	0.7700	0.0460	0.7700	0.7221	0.2517
cardiotocography-nsp	0.8826	0.0782	0.8826	0.7082	0.2960
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8210	0.2076
cas_N6512_cdk_ECFP2	0.7389	0.2611	0.7389	0.4742	0.7683
cdc_diabetes	0.8669	0.1024	0.8362	0.1527	0.2830
census10%	0.9556	0.0462	0.9394	0.4315	0.3770
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9070	0.0930	0.9070	0.1506	0.6606
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	1.0000	0.0002	1.0000	0.8918	0.0686
ci100410h_MACCS	0.5625	0.4375	0.5625	0.1547	0.7161
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6923	0.5642
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3994	0.8091
cirrhosis	0.7857	0.1429	0.7857	0.5781	0.4160
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6454	0.1773	0.6454	0.4959	0.5059
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5442	0.3039	0.5442	0.2903	0.7079
cnae-9	0.9630	0.0082	0.9630	0.9583	0.0363
codon_usage	0.9378	0.0113	0.9378	0.9244	0.1349
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.2500	0.8750
colposcopies-1	0.6897	0.3103	0.6897	0.3290	0.8399
colposcopies-2	0.6552	0.3448	0.6552	0.2677	0.8814
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.7241	0.2759	0.7241	0.3136	0.7964
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9982	0.0012	0.9982	0.9596	0.0041
cottonmeloidogyne	0.7572	0.2428	0.7572	0.5143	0.7382
coupon	0.7547	0.2453	0.7547	0.5015	0.7458
covtype	0.9700	0.0112	0.9432	0.9307	0.1103
covtypeCD	0.9906	0.0094	0.9906	0.9600	0.1272
covtypeT	0.9865	0.0135	0.9865	0.8957	0.2366
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5475	0.5986
crowdsourced	0.9548	0.0151	0.9548	0.9062	0.1142
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5166	0.0901
cyclopentane	0.6667	0.3333	0.6667	0.2957	0.8063
cylinder-bands	0.8148	0.1852	0.8148	0.6213	0.6409
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8000	0.2000	0.8000	0.4037	0.7427
deposit	0.8983	0.1017	0.8983	0.5225	0.6247
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.8167	0.1833	0.8167	0.6333	0.6308
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5796	0.6640
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5736	0.2773	0.5810	0.1590	0.5367
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.5833	0.4167	0.5833	0.1429	0.9438
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5613	0.4506	0.5648	0.1092	0.9658
dropout	0.7494	0.1670	0.7494	0.5780	0.4874
drug-01	0.2606	0.2112	0.2606	-0.0010	0.8844
drug-02	0.4840	0.1474	0.4840	0.2197	0.7772
drug-03	0.5957	0.1155	0.5957	0.0659	0.6721
drug-04	0.4202	0.1657	0.4202	0.0996	0.8366
drug-05	0.6702	0.0942	0.6702	0.0104	0.7830
drug-06	0.3404	0.1885	0.3404	0.1894	0.7037
drug-07	0.3404	0.1885	0.3404	0.0486	0.9225
drug-08	0.5160	0.1383	0.5160	0.2067	0.7781
drug-09	0.8085	0.0547	0.8085	0.0636	0.7339
drug-10	0.4574	0.1550	0.4574	0.1334	0.8073
drug-11	0.7872	0.0608	0.7872	0.0692	0.6403
drug-12	0.7340	0.0760	0.7340	0.0507	0.6352
drug-13	0.5266	0.1353	0.5266	0.2038	0.7456
drug-14	0.5213	0.1368	0.5213	0.2238	0.7755
drug-15	0.6702	0.0942	0.6702	0.0915	0.8069
drug-16	0.5213	0.1368	0.5213	0.2646	0.6401
drug-17	0.2606	0.2112	0.2606	0.0515	0.8351
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.6223	0.1079	0.6223	0.0414	0.7984
drybean	0.9258	0.0212	0.9258	0.9103	0.1215
ecoli	0.7647	0.0588	0.7647	0.6792	0.1581
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.2029	0.6894
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5719	0.0535	0.5719	0.5269	0.5466
eeg-eye	0.9166	0.0834	0.9166	0.8314	0.3847
EPA_FHM	0.9344	0.0656	0.9344	0.4649	0.6023
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.4898	0.7176
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.6433	0.5283
er_tox_rdkit_AVALON	0.6557	0.3443	0.6557	0.2478	0.5354
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6449	0.6117
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6395	0.5945
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6438	0.1425	0.6438	0.5422	0.3798
euthyroid	0.9652	0.0348	0.9652	0.7880	0.3094
exon.vs.intron-freq	0.9867	0.0216	0.9915	0.9731	0.1378
fbis-wc	0.8659	0.0158	0.8659	0.8478	0.1208
fda.atompair_fp	0.6364	0.3636	0.6364	0.0833	0.9033
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.6000	0.1000	0.6000	0.5137	0.1210
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5440	0.0061	0.5408	0.5073	0.5648
forest	0.9231	0.0385	0.9231	0.8939	0.1150
gas	0.9950	0.0017	0.9950	0.9939	0.0128
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.6105	0.2596	0.6105	0.2026	0.6256
gene	0.9369	0.0421	0.9369	0.8989	0.1929
german	0.7000	0.3000	0.7000	0.3039	0.8365
gina	0.9452	0.0548	0.9452	0.8904	0.2805
glass	0.7619	0.0794	0.7619	0.6789	0.2445
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7085	0.5490
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4230
haberman	0.7000	0.3000	0.7000	0.2623	0.8380
hapt	0.9780	0.0037	0.9780	0.9740	0.0255
har70	0.9321	0.0233	0.9156	0.8649	0.1184
harth10%	0.8613	0.0254	0.8344	0.7923	0.2059
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8000	0.1986	0.7980	0.6092	0.5932
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.5633	0.4510	0.5539	0.0534	0.5845
higher	0.2857	0.1786	0.2857	0.1765	0.2943
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8634	0.1366	0.8634	0.4864	0.6520
hiva	0.9527	0.0473	0.9527	0.0699	0.6111
horse	0.6111	0.2593	0.6111	0.3660	0.5977
htru2	0.9754	0.0246	0.9754	0.8499	0.2948
ht-sensor	0.9847	0.0002	1.0000	1.0000	0.0015
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6610	0.3390	0.6610	0.2016	0.8725
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9191	0.0062	0.9191	0.9159	0.0760
jm1	0.7842	0.2158	0.7842	0.3275	0.7682
fvowels	0.9849	0.0033	0.9849	0.9829	0.0259
kc1	0.8578	0.1422	0.8578	0.4475	0.6800
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.1942	0.0913
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.6923	0.3077	0.6923	0.3078	0.7190
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.9148	0.0095	0.9148	0.9048	0.1109
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.9111	0.0296	0.9111	0.8881	0.1636
la2s-wc	0.8974	0.0342	0.8974	0.8704	0.1859
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7647	0.0118	0.7647	0.7530	0.0533
led24	0.6000	0.0800	0.6000	0.5493	0.1752
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9610	0.0030	0.9610	0.9594	0.0460
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0909
linkage10%	0.9877	0.0001	1.0000	0.9979	0.0205
liver	0.6471	0.3529	0.6471	0.2302	0.8750
localization	0.7312	0.0517	0.7392	0.6310	0.3608
lrs	0.8679	0.0264	0.8679	0.8166	0.0848
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7962	0.2038	0.7962	0.5923	0.6702
magic04	0.8716	0.1284	0.8716	0.7163	0.5271

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5233	0.7171
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7750	0.3384
messidor	0.6783	0.3217	0.6783	0.3469	0.8499
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0479
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1463
mfeat-kar	0.9750	0.0050	0.9750	0.9722	0.0293
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.1951
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0251
mfeat-zer	0.7800	0.0440	0.7800	0.7556	0.1280
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5944	0.3813
mobile	0.8986	0.0036	0.8986	0.8968	0.0477
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9697	0.0303	0.9697	0.8739	0.1026
mutagen_class_1	0.5735	0.4265	0.5735	0.1471	0.8935
mutagen_class_2	0.6176	0.3824	0.6176	0.2353	0.8249
mutagen_class_3	0.5362	0.4638	0.5362	0.0769	0.9494
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7701
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.3049	0.8751
MUT_ci300400a	0.8571	0.1429	0.8571	0.7066	0.5468
MUT_ci300400a_cdk_ECFP2	0.8273	0.1727	0.8273	0.6444	0.6165
myocardial	0.8529	0.0368	0.8529	0.3622	0.5700
naticusdroid	0.9690	0.0310	0.9690	0.9379	0.1860
nci9	0.3333	0.1481	0.3333	0.2500	0.0863
ncRNA10%	0.9022	0.0093	0.9194	0.7316	0.4252
newspop	0.6572	0.3428	0.6572	0.3010	0.8542
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9719	0.0281	0.9719	0.9313	0.2023
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0927	0.7899
nursery	0.9977	0.0009	0.9977	0.9966	0.0587
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0782
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9307	0.0139	0.9307	0.9209	0.0744
oh10-wc	0.7619	0.0476	0.7619	0.7308	0.2419
oh15-wc	0.9130	0.0174	0.9130	0.9015	0.0874
oh5-wc	0.8681	0.0264	0.8681	0.8518	0.1258
opn310k	0.9348	0.0758	0.9388	0.4400	0.5499
opnat310k-hg16-17	0.8983	0.0907	0.9302	0.0379	0.2504
optdigits	0.9626	0.0075	0.9626	0.9585	0.0522
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	0.2452	0.5959
ozone8hr	0.9091	0.0909	0.9091	0.2123	0.6617
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9854	0.0059	0.9854	0.9162	0.1081

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.9213	0.0761	0.9186	0.8281	0.4034
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.5155	0.4845	0.5155	-0.0175	0.9940
pd	0.8947	0.1053	0.8947	0.6863	0.3954
pediatric-leukemia	0.8824	0.0336	0.8824	0.8565	0.1089
pendigits	0.9936	0.0013	0.9936	0.9929	0.0124
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7371	0.2629	0.7371	0.4079	0.7914
P-Glycoprotein_b_Substrate	0.5400	0.4600	0.5400	0.0800	0.9582
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7455	0.5050
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9633	0.0367	0.9633	0.9234	0.2219
phoneme	0.9222	0.0778	0.9222	0.8077	0.4040
phy	0.6842	0.3158	0.6842	0.3689	0.8320
pima	0.7763	0.2237	0.7763	0.5121	0.6903
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.7764	0.0442	0.7846	0.5822	0.1769
polish-1st	0.9815	0.0185	0.9815	0.7020	0.2558
polish-2nd	0.9685	0.0315	0.9685	0.4996	0.4670
polish-3rd	0.9629	0.0371	0.9629	0.5224	0.4821
polish-4th	0.9765	0.0235	0.9765	0.7457	0.3361
polish-5th	0.9679	0.0321	0.9679	0.7229	0.3446
polya	0.7514	0.2486	0.7514	0.4177	0.7353
popularity	0.6759	0.2161	0.6759	0.2600	0.5390
post-operative	0.2222	0.5185	0.2222	-0.6154	0.4863
postures	1.0000	0.0043	1.0000	1.0000	0.0307
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8502
primary-tumor	0.2121	0.0716	0.2121	0.1368	0.2863
profb	0.7015	0.2985	0.7015	0.2725	0.8402
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	0.9091	0.0909	0.9091	0.8197	0.3145
puc-rio	0.9831	0.0032	1.0000	1.0000	0.0252
pufs-6410%	0.4960	0.4926	0.4973	0.0011	0.9621
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.8000	0.0308	0.8000	0.7403	0.2331
re1-wc	0.8313	0.0135	0.8313	0.8110	0.1297
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6996	0.3004	0.6996	0.3678	0.8278
RT_IOT2022	0.9917	0.0007	0.9911	1.0000	0.0057
satimage	0.9114	0.0295	0.9114	0.8906	0.1452
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.9487	0.0513	0.9487	0.6703	0.3552
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9740	0.0074	0.9740	0.9696	0.0338
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9109	0.0891	0.9109	0.1612	0.6711
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8500	0.1500	0.8500	0.0190	0.6727
sens-2-gram	0.8579	0.1421	0.8579	0.2355	0.7009
sens-3-gram	0.8763	0.1237	0.8763	0.2656	0.5945
sens-4-gram	0.8658	0.1342	0.8658	0.2211	0.6552
sensorless	0.9976	0.0004	0.9976	0.9974	0.0053
sepsis	0.9065	0.0920	0.8954	0.0000	0.2088
shoppers	0.8873	0.1127	0.8873	0.5629	0.6113
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9979	0.0005	1.0000	1.0000	0.0104
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7410	0.0863	0.7410	0.6742	0.2674
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9118	0.0093	0.9118	0.9031	0.0445
spambase	0.9000	0.1000	0.9000	0.7889	0.4331
spect	0.7407	0.2593	0.7407	0.2921	0.7993
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4906	0.0212	0.4906	0.4676	0.1035
splice-EI	0.9716	0.0284	0.9716	0.9251	0.2138
splice-IE	0.9495	0.0505	0.9495	0.8603	0.3234
sport-articles	0.8500	0.1500	0.8500	0.6690	0.5577
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8821	0.1179	0.8821	0.6350	0.5689
steel-d	0.9846	0.0154	0.9846	0.7613	0.4382
steel_industry	0.8873	0.0752	0.8873	0.8167	0.2421
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8205	0.1795	0.8205	0.6089	0.6456
steel-p	0.9282	0.0718	0.9282	0.4946	0.5864
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.3846	0.4103	0.3846	0.0545	0.6627
student-weekend	0.3692	0.2523	0.3692	0.1614	0.7081
student-workday	0.6719	0.1313	0.6719	0.1340	0.4826
susy10%	0.7554	0.2307	0.7593	0.5220	0.7317
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9818	0.0033	0.9818	0.9800	0.0280
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.2863	0.6913
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8998	0.1002	0.8998	0.7160	0.4633
titanic	0.7364	0.2636	0.7364	0.4184	0.7820
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.4706	0.5294	0.4706	-0.2047	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5333	0.4667	0.5333	-0.1682	0.8989
trec11-wc	0.9024	0.0217	0.9024	0.8811	0.0869
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9717	0.0000
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9710	0.0058	0.9710	0.9663	0.0306
tuandromd	0.9776	0.0224	0.9776	0.9326	0.2233
turkish	0.7250	0.1375	0.7250	0.6333	0.2940
tvnews	0.9268	0.0549	0.9667	0.9009	0.2784
urban	0.8806	0.0265	0.8806	0.8604	0.1216
vehicle	0.7738	0.1131	0.7738	0.6944	0.1978
vehicleVAN	0.9881	0.0119	0.9881	0.9677	0.0550
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8372	0.1628	0.8372	0.6746	0.5867
vowel	0.5859	0.0753	0.5859	0.5444	0.2843
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9232	0.0914	0.9203	0.0011	0.2455
wap-wc	0.8526	0.0147	0.8526	0.8353	0.1118
warpar10p	0.7692	0.0462	0.7692	0.7417	0.0817
warppiel10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	1.0000	0.0002	1.0000	0.9971	0.0024
watch-gyr10%	1.0000	0.0002	0.9860	1.0000	0.0023
waveform	0.8260	0.1160	0.8260	0.7390	0.3894
web-phishing	0.8741	0.0840	0.8741	0.7805	0.3836
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0017
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7044	0.0985	0.7044	0.5347	0.5549
winequality-white	0.6626	0.0964	0.6626	0.4978	0.5047
winnipeg	0.9675	0.0062	0.9705	0.9823	0.0498
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.5405	0.0919	0.5405	0.4167	0.4371
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9495	0.0101	0.9495	0.9434	0.0811
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 129: Detailed results for CSBBoostRF(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1703	0.0572	0.1703	0.0802	0.4540
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.8904	0.1096	0.8904	0.2808	0.5905
accelerometer	0.9822	0.0178	0.9822	0.2130	0.4039
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8585	0.1415	0.8585	0.5696	0.5790
AID1284Morered	0.8056	0.1944	0.8056	-0.0862	0.8010
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.8889	0.1111	0.8889	0.0745	0.6933
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.8000	0.2000	0.8000	0.0801	0.7395
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9930	0.0070	0.9930	-0.0034	0.4755
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9375	0.0625	0.9375	-0.0286	0.6474
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.6500	0.3500	0.6500	-0.0938	0.8482
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8687	0.0875	0.8687	0.0987	0.3574
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9758	0.0132
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9458	0.0271	0.9458	0.8943	0.1213
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9360	0.0160	0.9360	0.8923	0.1540
anuran-species	0.9528	0.0094	0.9528	0.9340	0.0695
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7111	0.0444	0.7111	0.5479	0.2901
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7297	0.1443
avila	0.7911	0.0348	0.7911	0.7117	0.1381
balance	0.7581	0.1613	0.7581	0.5796	0.5402
bank	0.9094	0.0906	0.9094	0.5709	0.5994
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9960	0.0040	0.9960	0.7296	0.1765
biodeg	0.8190	0.1810	0.8190	0.6323	0.6097
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9860	0.0010	0.9860	0.3220	0.4187
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.6071	0.3929	0.6071	0.1895	0.8342
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.9091	0.0303	0.9091	0.8866	0.0381
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9655	0.0172	0.9655	0.9270	0.1159
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8310	0.0338	0.8310	0.7970	0.1975
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8085	0.3162
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6360	0.4168
cas_N6512_cdk_ECFP2	0.5607	0.4393	0.5607	0.0526	0.6098
cdc_diabetes	0.8434	0.1044	0.8434	0.1830	0.3503
census10%	0.9482	0.0518	0.9482	0.3915	0.4820
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9419	0.0581	0.9419	0.5841	0.5676
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9070	0.0930	0.9070	0.8106	0.3522
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8304	0.2170
ci100410h_MACCS	0.7188	0.2812	0.7188	0.1325	0.8517
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.4934	0.6985
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6029	0.6519
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2567	0.7938
cirrhosis	0.6429	0.2381	0.6429	0.2984	0.6308
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7556	0.1222	0.7556	0.6310	0.4697
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.5782	0.2812	0.5782	0.3300	0.6676
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0827
codon_usage	0.7559	0.0444	0.7559	0.6983	0.2655
coil20	0.9514	0.0049	0.9514	0.9488	0.0287
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.7419	0.1720	0.7419	0.5860	0.3017
connect-4	0.9813	0.0124	0.9813	0.4852	0.4055
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3732	0.8280
covtype	0.7308	0.0769	0.7308	0.5603	0.3031
covtypeCD	0.9761	0.0239	0.9761	0.8980	0.2356
covtypeT	0.9771	0.0229	0.9771	0.8229	0.3353
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8350	0.0550	0.8350	0.6208	0.2665
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2610	0.1243
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8257	0.1743	0.8257	0.3867	0.6332
deposit	0.8969	0.1031	0.8969	0.4354	0.6194
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.8167	0.1833	0.8167	0.6333	0.6009
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5373	0.3084	0.5373	-0.0014	0.3784
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5539	0.4461	0.5539	0.0772	0.8886
dropout	0.6998	0.2001	0.6998	0.5140	0.5095
drug-01	0.4043	0.1702	0.4043	0.0303	0.3970
drug-02	0.4840	0.1474	0.4840	0.0659	0.6252
drug-03	0.6596	0.0973	0.6596	-0.0313	0.4275
drug-04	0.4521	0.1565	0.4521	0.0757	0.6669
drug-05	0.7074	0.0836	0.7074	-0.0353	0.3673
drug-06	0.3936	0.1733	0.3936	0.2220	0.5344
drug-07	0.4043	0.1702	0.4043	-0.0328	0.3679
drug-08	0.5319	0.1337	0.5319	0.0693	0.5943
drug-09	0.8564	0.0410	0.8564	0.0430	0.2265
drug-10	0.5106	0.1398	0.5106	0.0334	0.5888
drug-11	0.7979	0.0578	0.7979	0.0162	0.8911
drug-12	0.7713	0.0654	0.7713	0.0111	0.4485
drug-13	0.5851	0.1185	0.5851	0.2013	0.4188
drug-14	0.5691	0.1231	0.5691	0.1472	0.5731
drug-15	0.7287	0.0775	0.7287	0.1030	0.5134
drug-16	0.5479	0.1292	0.5479	0.2280	0.5288
drug-17	0.3777	0.1778	0.3777	0.1260	0.5051
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	-0.0191	0.3542
drybean	0.9155	0.0241	0.9155	0.8978	0.1389
ecoli	0.8235	0.0441	0.8235	0.7536	0.1299
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2986	0.0877	0.2986	0.2045	0.4783
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6667	0.3333	0.6667	0.0868	0.6536
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.2802	0.5153
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6690	0.5584
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5734	0.6660
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.5890	0.1644	0.5890	0.4609	0.3501
euthyroid	0.9525	0.0475	0.9525	0.7110	0.4096
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8314	0.3848
fbis-wc	0.7236	0.0325	0.7236	0.6828	0.2131
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6117	0.1611
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.6052	0.0052	0.6052	0.5833	0.2847
forest	0.9038	0.0481	0.9038	0.8680	0.1634
gas	0.9605	0.0132	0.9605	0.9521	0.0881
gastrointestinal	0.6250	0.2500	0.6250	0.4483	0.4558
gender	0.5874	0.2751	0.5874	0.0105	0.4250
gene	0.9211	0.0526	0.9211	0.8726	0.2250
german	0.6200	0.3800	0.6200	-0.0243	0.8374
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.7619	0.0794	0.7619	0.6749	0.2402
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2857	0.5097
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8920	0.0180	0.8920	0.8724	0.1012
har70	0.8782	0.0348	0.8782	0.8246	0.1423
harth10%	0.8562	0.0240	0.8562	0.8029	0.1520
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5761
hERG-121inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.1429	0.2143	0.1429	-0.0120	0.4220
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8668	0.1332	0.8668	0.5230	0.6468
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.5556	0.2963	0.5556	0.1910	0.6975
htru2	0.9771	0.0229	0.9771	0.8573	0.2568
ht-sensor	0.6782	0.2145	0.6782	0.5266	0.3555
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0898
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8113	0.0145	0.8113	0.8037	0.1511
jm1	0.8026	0.1974	0.8026	0.0316	0.5512
fvowels	0.8906	0.0243	0.8906	0.8760	0.1667
kc1	0.8531	0.1469	0.8531	0.2954	0.6557
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2708	0.1688
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8053	0.0216	0.8053	0.7828	0.2273
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.6540	0.1153	0.6540	0.5411	0.3247
la2s-wc	0.6921	0.1026	0.6921	0.5936	0.3281
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6314	0.0565
led24	0.5500	0.0900	0.5500	0.4972	0.2247
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9105	0.0069	0.9105	0.9069	0.1016
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7910	0.0884
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5522	0.0814	0.5522	0.3894	0.3931
lrs	0.8302	0.0340	0.8302	0.7619	0.1097
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.8095	0.0762	0.8095	0.5962	0.2647
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5604	0.2525
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5200	0.1717
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7801	0.2199	0.7801	0.4492	0.5414

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5806	0.6792
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5465	0.5149
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0853
mfeat-fou	0.7550	0.0490	0.7550	0.7278	0.2123
mfeat-kar	0.8950	0.0210	0.8950	0.8833	0.1280
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2067
mfeat-pix	0.8950	0.0210	0.8950	0.8833	0.1276
mfeat-zer	0.6850	0.0630	0.6850	0.6500	0.2824
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3391	0.4947
mobile	0.8217	0.0064	0.8217	0.8184	0.0814
monks-1	0.7091	0.2909	0.7091	0.4195	0.7967
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6019	0.3981	0.6019	0.0550	0.5430
myocardial	0.8588	0.0353	0.8588	0.3317	0.4147
naticusdroid	0.9465	0.0535	0.9465	0.8929	0.2634
nci9	0.1667	0.1852	0.1667	0.0625	0.1899
ncRNA10%	0.9099	0.0095	0.9099	0.7328	0.2220
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9277	0.0723	0.9277	0.8266	0.3938
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0151	0.7223
nursery	0.9931	0.0028	0.9931	0.9898	0.0263
obs	0.8981	0.0509	0.8981	0.8530	0.1194
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9728	0.0350
oh0-wc	0.7723	0.0455	0.7723	0.7372	0.1947
oh10-wc	0.6667	0.0667	0.6667	0.6158	0.2728
oh15-wc	0.7283	0.0543	0.7283	0.6896	0.2553
oh5-wc	0.6154	0.0769	0.6154	0.5632	0.3091
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9164	0.0167	0.9164	0.9070	0.1149
optdigitsZ	0.9893	0.0107	0.9893	0.9329	0.1458
orl	0.6500	0.0175	0.6500	0.6410	0.0631
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9289	0.0711	0.9289	-0.0369	0.6062
ozone8hr	0.8933	0.1067	0.8933	0.0753	0.6985
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9744	0.0102	0.9744	0.8534	0.1936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7368	0.2632	0.7368	0.3624	0.7894
particle	0.8695	0.1305	0.8695	0.6768	0.5632
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.8829	0.1171	0.8829	0.0708	0.6940
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.5882	0.1176	0.5882	0.4936	0.3585
pendigits	0.9654	0.0069	0.9654	0.9616	0.0543
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9714	0.0286	0.9714	0.9402	0.1829
phoneme	0.7852	0.2148	0.7852	0.5494	0.6193
phy	0.6276	0.3724	0.6276	0.2530	0.7837
pima	0.6447	0.3553	0.6447	0.1752	0.8270
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6616	0.0677	0.6616	0.3649	0.2861
polish-1st	0.9545	0.0455	0.9545	0.0937	0.5648
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9486	0.0514	0.9486	0.0855	0.4869
polish-4th	0.9520	0.0480	0.9520	0.4104	0.5237
polish-5th	0.9543	0.0457	0.9543	0.5496	0.3677
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6318	0.2455	0.6318	0.0047	0.3219
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8729	0.0509	0.8729	0.8411	0.1833
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3939	0.0551	0.3939	0.3286	0.2490
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9228	0.0309	0.9228	0.8958	0.1317
pufs-6410%	0.4995	0.5005	0.4995	-0.0010	0.9999
raisin	0.8444	0.1556	0.8444	0.6889	0.5491
re0-wc	0.7067	0.0451	0.7067	0.6006	0.3037
re1-wc	0.7711	0.0183	0.7711	0.7380	0.1948
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9499	0.0383
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0044
satimage	0.8585	0.0472	0.8585	0.8254	0.2140
satimageF	0.9813	0.0187	0.9813	0.9062	0.2602
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9567	0.0124	0.9567	0.9494	0.0530
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9547	0.0082	0.9547	0.9502	0.0466
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4397	0.5578
shuttle	0.9995	0.0001	0.9995	0.9985	0.0468
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9910	0.0090	0.9910	0.9731	0.1177
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7410	0.0863	0.7410	0.6718	0.2428
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9515	0.0237
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.5094	0.0204	0.5094	0.4822	0.1385
splice-EI	0.9558	0.0442	0.9558	0.8839	0.2944
splice-IE	0.9085	0.0915	0.9085	0.7408	0.4660
sport-articles	0.7700	0.2300	0.7700	0.4983	0.7319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.0535	0.5552
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8878	0.0748	0.8878	0.8182	0.2547
steel-k	0.9744	0.0256	0.9744	0.9221	0.2232
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.9026	0.0974	0.9026	0.2928	0.6660
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9538	0.0462	0.9538	0.7746	0.4674
studentap	0.6154	0.2564	0.6154	0.3981	0.5183
student-weekend	0.3385	0.2646	0.3385	0.0577	0.7553
student-workday	0.6094	0.1562	0.6094	0.0178	0.6651
susy10%	0.7565	0.2435	0.7565	0.5044	0.7312
swarm_aligned	0.9963	0.0037	0.9963	0.9913	0.0345
swarm_flocking	0.9667	0.0333	0.9667	0.9334	0.1796
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5569
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9527	0.0086	0.9527	0.9479	0.0615
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8586	0.3353
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.3750	0.2083	0.3750	0.2727	0.1574
tox_171	0.4706	0.2647	0.4706	0.2817	0.4859
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.8293	0.0379	0.8293	0.7874	0.1329
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5785	0.3069
trec23-wc	0.9048	0.0317	0.9048	0.8720	0.1218
trec31-wc	0.9462	0.0154	0.9462	0.9283	0.0573
trec41-wc	0.9205	0.0159	0.9205	0.9023	0.0789
trec45-wc	0.9130	0.0174	0.9130	0.8984	0.0600
tuandromd	0.9843	0.0157	0.9843	0.9519	0.1658
turkish	0.8000	0.1000	0.8000	0.7333	0.2330
tvnews	0.8316	0.1684	0.8316	0.6321	0.6151
urban	0.7910	0.0464	0.7910	0.7550	0.1609
vehicle	0.7857	0.1071	0.7857	0.7041	0.2865
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5000	0.5000	0.5000	-0.1250	0.9835
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5152	0.0882	0.5152	0.4667	0.2639
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.7436	0.0256	0.7436	0.7109	0.1603
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8885	0.0319	0.8885	0.8696	0.0703
watch-gyr10%	0.8869	0.0323	0.8869	0.8678	0.0777
waveform	0.6700	0.2200	0.6700	0.5065	0.5178
web-phishing	0.8519	0.0988	0.8519	0.7447	0.4025
weight-lift	0.7952	0.0819	0.7952	0.7358	0.2372
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0548
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.5094	0.1635	0.5094	0.1990	0.4646
winequality-white	0.4601	0.1543	0.4601	0.0740	0.5776
winnipeg	0.9623	0.0108	0.9623	0.9524	0.0721
yale	0.6250	0.0500	0.6250	0.5966	0.0925
yeast	0.4054	0.1189	0.4054	0.2499	0.3794
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9392	0.0608	0.9392	0.2761	0.6261
zip	0.8989	0.0202	0.8989	0.8866	0.1422
zoo	0.8000	0.0571	0.8000	0.7436	0.0000



Table 130: Detailed results for CSBBoostRF(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1151	0.0610	0.1151	0.0392	0.5147
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8585	0.1415	0.8585	0.5684	0.5769
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	-0.0938	0.8482
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9930	0.0070	0.9930	0.1572	0.4873
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9555	0.0223	0.9555	0.9149	0.1282
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9346	0.0163	0.9346	0.8927	0.1874
anuran-species	0.9278	0.0144	0.9278	0.9006	0.1818
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6889	0.0479	0.6889	0.5309	0.2410
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7297	0.1434
avila	0.8055	0.0324	0.8055	0.7361	0.1443
balance	0.7903	0.1398	0.7903	0.6313	0.4335
bank	0.9109	0.0891	0.9109	0.5740	0.5959
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6288	0.6224
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9852	0.0010	0.9852	0.1620	0.5443
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1615
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9014	0.1238
card	0.8116	0.1884	0.8116	0.6223	0.6266
cardiotocography	0.7934	0.0413	0.7934	0.7551	0.3213
cardiotocography-nsp	0.9061	0.0626	0.9061	0.7445	0.3896
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6750	0.2167	0.6750	0.3968	0.6433
cas_N6512_cdk_ECFP2	0.5607	0.4393	0.5607	0.0526	0.6098
cdc_diabetes	0.8454	0.1031	0.8454	0.1973	0.4015
census10%	0.9482	0.0518	0.9482	0.3915	0.4820
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9070	0.0930	0.9070	0.8106	0.3522
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.5249	0.6842
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.6429	0.2381	0.6429	0.3255	0.6943
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7778	0.1111	0.7778	0.6562	0.4649
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5000	0.3333	0.5000	0.2800	0.5993
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5510	0.2993	0.5510	0.3057	0.7020
cnae-9	0.8704	0.0288	0.8704	0.8542	0.1161
codon_usage	0.7076	0.0532	0.7076	0.6444	0.4010
coil20	0.7778	0.0222	0.7778	0.7659	0.1315
collins	0.7400	0.0347	0.7400	0.7133	0.1231
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.6774	0.2151	0.6774	0.4746	0.3453
connect-4	0.9837	0.0109	0.9837	0.4761	0.1344
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3729	0.8278
covtype	0.7329	0.0763	0.7329	0.5621	0.3191
covtypeCD	0.9766	0.0234	0.9766	0.9006	0.2376
covtypeT	0.9777	0.0223	0.9777	0.8251	0.3216
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8406	0.0531	0.8406	0.6317	0.2431
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0625	0.0469	0.0625	0.0381	0.1883
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9459	0.0180	0.9459	0.9322	0.0575
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.8167	0.1833	0.8167	0.6333	0.6009
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5393	0.3071	0.5393	0.0063	0.3917
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7291	0.1806	0.7291	0.5316	0.4766
drug-01	0.4096	0.1687	0.4096	0.0538	0.5043
drug-02	0.4947	0.1444	0.4947	0.0323	0.5715
drug-03	0.6702	0.0942	0.6702	0.0012	0.4198
drug-04	0.5106	0.1398	0.5106	0.0742	0.7049
drug-05	0.7128	0.0821	0.7128	0.0282	0.4466
drug-06	0.3936	0.1733	0.3936	0.2334	0.5982
drug-07	0.3936	0.1733	0.3936	-0.0365	0.4693
drug-08	0.4894	0.1459	0.4894	0.0442	0.6233
drug-09	0.8404	0.0456	0.8404	0.0264	0.5553
drug-10	0.5053	0.1413	0.5053	0.0654	0.6444
drug-11	0.8138	0.0532	0.8138	0.0080	0.6140
drug-12	0.7447	0.0729	0.7447	-0.0327	0.6335
drug-13	0.5904	0.1170	0.5904	0.2411	0.5899
drug-14	0.5904	0.1170	0.5904	0.2206	0.5752
drug-15	0.7234	0.0790	0.7234	0.0674	0.6864
drug-16	0.5745	0.1216	0.5745	0.3165	0.4783
drug-17	0.3511	0.1854	0.3511	0.1376	0.6167
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	0.0112	0.4371
drybean	0.9008	0.0283	0.9008	0.8800	0.1587
ecoli	0.7353	0.0662	0.7353	0.6102	0.2165
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2512	0.0936	0.2512	0.1460	0.5962
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6667	0.3333	0.6667	0.0868	0.6536
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.3556	0.5608
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6423	0.5581
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5563	0.3739
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.6423	0.0421	0.6423	0.5987	0.3198
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3000	0.1750	0.3000	0.1139	0.3206
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.5414	0.0060	0.5414	0.5203	0.6810
forest	0.9231	0.0385	0.9231	0.8939	0.1150
gas	0.9367	0.0211	0.9367	0.9234	0.1215
gastrointestinal	0.5625	0.2917	0.5625	0.3672	0.4626
gender	0.5853	0.2765	0.5853	0.0144	0.4719
gene	0.8927	0.0715	0.8927	0.8290	0.2869
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.8095	0.0635	0.8095	0.7415	0.2227
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3548	0.8301
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.6667	0.1078
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4140
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8326	0.0279	0.8326	0.8012	0.1789
har70	0.8780	0.0349	0.8780	0.8236	0.1974
harth10%	0.8446	0.0259	0.8446	0.7868	0.2338
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5761
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.2857	0.1786	0.2857	0.1860	0.3551
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5237	0.6374
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.6944	0.2037	0.6944	0.4575	0.5206
htru2	0.9777	0.0223	0.9777	0.8596	0.2396
ht-sensor	0.7279	0.1814	0.7279	0.5939	0.4369
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0888
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4531	0.0421	0.4531	0.4313	0.3332
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
fvowels	0.7932	0.0460	0.7932	0.7659	0.2741
kc1	0.8531	0.1469	0.8531	0.2727	0.6396
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1478	0.2056
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8289	0.0190	0.8289	0.8089	0.2073
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.6222	0.1259	0.6222	0.4919	0.3184
la2s-wc	0.6589	0.1137	0.6589	0.5437	0.2844
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5000	0.0250	0.5000	0.4783	0.1092
led24	0.5000	0.1000	0.5000	0.4444	0.2462
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8540	0.0112	0.8540	0.8481	0.1647
leukemia	0.5714	0.2857	0.5714	0.4000	0.3025
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5556	0.0593	0.5556	0.5228	0.1974
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5031	0.0903	0.5031	0.3073	0.4740
lrs	0.6981	0.0604	0.6981	0.5943	0.2435
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5102	0.1999
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7586	0.2327
lymphoma2	0.6667	0.0741	0.6667	0.5345	0.0783
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7791	0.2209	0.7791	0.4462	0.5424

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5817	0.6807
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6522	0.4173
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8428	0.1169
meter-D	0.8889	0.0556	0.8889	0.8487	0.1442
mfeat-fac	0.8750	0.0250	0.8750	0.8611	0.1370
mfeat-fou	0.6100	0.0780	0.6100	0.5667	0.3106
mfeat-kar	0.6350	0.0730	0.6350	0.5944	0.3286
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2377
mfeat-pix	0.8550	0.0290	0.8550	0.8389	0.1571
mfeat-zer	0.5950	0.0810	0.5950	0.5500	0.3531
mice-prot	0.7593	0.0602	0.7593	0.7240	0.2249
mines	0.5294	0.1882	0.5294	0.4125	0.4264
mobile	0.4720	0.0189	0.4720	0.4625	0.2383
monks-1	0.7273	0.2727	0.7273	0.4562	0.7625
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6019	0.3981	0.6019	0.0550	0.5430
myocardial	0.8706	0.0324	0.8706	0.4371	0.4089
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.3333	0.1481	0.3333	0.2258	0.1321
ncRNA10%	0.9115	0.0093	0.9115	0.7458	0.4459
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9283	0.0717	0.9283	0.8271	0.3910
NPHA-doctor-visits	0.3889	0.4074	0.3889	-0.0507	0.7878
nursery	0.9946	0.0022	0.9946	0.9921	0.0133
obs	0.8889	0.0556	0.8889	0.8401	0.1235
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9730	0.0432
oh0-wc	0.8614	0.0277	0.8614	0.8404	0.1280
oh10-wc	0.6000	0.0800	0.6000	0.5386	0.3365
oh15-wc	0.6304	0.0739	0.6304	0.5845	0.2814
oh5-wc	0.6593	0.0681	0.6593	0.6119	0.2533
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.8505	0.0299	0.8505	0.8338	0.1816
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.3750	0.0312	0.3750	0.3590	0.1627
orlraws10P	0.6000	0.0800	0.6000	0.5556	0.1003
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9447	0.0553	0.9447	-0.0261	0.6361
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9708	0.0117	0.9708	0.8369	0.2189

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.6765	0.0924	0.6765	0.6195	0.2656
pendigits	0.9390	0.0122	0.9390	0.9322	0.0909
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.7944	0.2056	0.7944	0.5652	0.6136
phy	0.6274	0.3726	0.6274	0.2526	0.7838
pima	0.7105	0.2895	0.7105	0.3871	0.8164
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6682	0.0664	0.6682	0.3839	0.4984
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6308	0.2462	0.6308	0.0033	0.3465
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8193	0.0723	0.8193	0.7736	0.2211
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3939	0.0551	0.3939	0.3293	0.2536
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9314	0.0274	0.9314	0.9072	0.1166
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.6533	0.0533	0.6533	0.5233	0.4299
re1-wc	0.7590	0.0193	0.7590	0.7242	0.2171
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9375	0.0250	0.9375	0.9181	0.0978
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9983	0.0003	0.9983	0.9957	0.0064
satimage	0.8383	0.0539	0.8383	0.7996	0.2481
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.8927	0.1073	0.8927	0.0545	0.5389
scadi	0.7143	0.0816	0.7143	0.6410	0.0842
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9394	0.0173	0.9394	0.9292	0.0800
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-3-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9679	0.0058	0.9679	0.9647	0.0456
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	0.9998	0.0000	0.9998	0.9995	0.0003
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9732	0.1170
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7482	0.0839	0.7482	0.6773	0.2532
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9265	0.0077	0.9265	0.9194	0.0428
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.3019	0.0291	0.3019	0.2606	0.1950
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7600	0.2400	0.7600	0.4852	0.7487
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8884	0.0744	0.8884	0.8193	0.2578
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.8974	0.1026	0.8974	0.2780	0.6749
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8093	0.4129
studentap	0.5385	0.3077	0.5385	0.2909	0.6132
student-weekend	0.2769	0.2892	0.2769	-0.0366	0.7682
student-workday	0.7031	0.1187	0.7031	0.1778	0.4237
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	0.9967	0.0033	0.9967	0.9922	0.0293
swarm_flocking	0.9667	0.0333	0.9667	0.9334	0.1796
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7128
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9073	0.0169	0.9073	0.8978	0.1101
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.5000	0.0941
tox_171	0.7059	0.1471	0.7059	0.5991	0.2510
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.7805	0.0488	0.7805	0.7353	0.2029
trec12-wc	0.8065	0.0484	0.8065	0.7669	0.1363

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6489	0.1802
trec23-wc	0.8571	0.0476	0.8571	0.8085	0.1612
trec31-wc	0.9462	0.0154	0.9462	0.9284	0.0762
trec41-wc	0.9091	0.0182	0.9091	0.8901	0.0863
trec45-wc	0.8696	0.0261	0.8696	0.8463	0.0886
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.6750	0.1625	0.6750	0.5667	0.3424
tvnews	0.8316	0.1684	0.8316	0.6321	0.6151
urban	0.7015	0.0663	0.7015	0.6496	0.2625
vehicle	0.7500	0.1250	0.7500	0.6560	0.2968
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8140	0.1860	0.8140	0.6301	0.5432
vowel	0.3939	0.1102	0.3939	0.3333	0.3328
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.5897	0.0410	0.5897	0.5363	0.2472
warpar10p	0.6154	0.0769	0.6154	0.5695	0.1197
warppie10p	0.7143	0.0571	0.7143	0.6810	0.1256
watch-acc10%	0.9162	0.0239	0.9162	0.9020	0.0823
watch-gyr10%	0.9061	0.0268	0.9061	0.8903	0.0760
waveform	0.6640	0.2240	0.6640	0.4968	0.5233
web-phishing	0.9037	0.0642	0.9037	0.8340	0.3267
weight-lift	0.6163	0.1535	0.6163	0.5169	0.3636
white-clover	0.1667	0.4167	0.1667	-0.3636	0.3096
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0511
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4654	0.1782	0.4654	0.1695	0.5820
winequality-white	0.4397	0.1601	0.4397	0.0342	0.5614
winnipeg	0.9312	0.0197	0.9312	0.9124	0.0927
yale	0.2500	0.1000	0.2500	0.2000	0.2104
yeast	0.5068	0.0986	0.5068	0.3714	0.4520
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.6860	0.0628	0.6860	0.6409	0.2755
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 131: Detailed results for AdaBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0818	0.3674
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9812	0.0188	0.9812	0.2034	0.4579
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8604	0.1396	0.8604	0.5767	0.5759
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8544	0.1456	0.8544	-0.0782	0.6585
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7619	0.2381	0.7619	-0.0371	0.8340
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6757	0.3243	0.6757	0.3273	0.8564
AID_602330	0.9427	0.0573	0.9427	-0.0233	0.6301
AID604	0.9974	0.0026	0.9974	0.4177	0.0125
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.1304	0.8900
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9935	0.0065	0.9935	0.1679	0.4321
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9833	0.0083	0.9833	0.9681	0.0400
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9588	0.0843
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0132
aps-failure	0.9892	0.0108	0.9892	0.5971	0.2040
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.7111	0.0444	0.7111	0.4987	0.2136
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6224	0.0629	0.6224	0.4515	0.2478
balance	0.7419	0.1720	0.7419	0.5720	0.4325
bank	0.9073	0.0927	0.9073	0.5064	0.6020
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8410	0.1590	0.8410	0.6307	0.5065
basehock	0.9749	0.0251	0.9749	0.9497	0.1578
bio	0.9962	0.0038	0.9962	0.7588	0.2675
biodeg	0.8571	0.1429	0.8571	0.6986	0.5580
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9868	0.0009	0.9868	0.3203	0.4478
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6071	0.3929	0.6071	0.0723	0.9102
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9116	0.0884	0.9116	0.0627	0.2656
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8696	0.1304	0.8696	0.7361	0.5115
cardiotocography	0.8545	0.0291	0.8545	0.8245	0.1649
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7923	0.3034
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2602
cas_N6512_cdk_ECFP2	0.5991	0.4009	0.5991	0.1511	0.7744
cdc_diabetes	0.8471	0.1019	0.8471	0.1787	0.3197
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	0.1798	0.6596
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9998	0.0002	0.9998	0.8560	0.1166
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6426	0.6065
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3670	0.8261
cirrhosis	0.7857	0.1429	0.7857	0.5685	0.3575
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8120	0.0940	0.8120	0.7088	0.4108
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5850	0.2766	0.5850	0.3471	0.6670
cnae-9	0.6574	0.0761	0.6574	0.6146	0.1914
codon_usage	0.6101	0.0709	0.6101	0.5180	0.2209
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.0842	0.9416
colposcopies-2	0.5517	0.4483	0.5517	-0.0443	0.9714
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6207	0.3793	0.6207	0.2313	0.8700
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9845	0.0104	0.9845	0.5382	0.2678
cottonmeloidogyne	0.6490	0.3510	0.6490	0.3016	0.7285
coupon	0.7287	0.2713	0.7287	0.4396	0.7826
covtype	0.7098	0.0829	0.7098	0.5257	0.3405
covtypeCD	0.9766	0.0234	0.9766	0.9038	0.2704
covtypeT	0.9769	0.0231	0.9769	0.8155	0.3120
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.8230	0.0590	0.8230	0.5793	0.2488
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0982
cyclopentane	0.6667	0.3333	0.6667	0.3306	0.8586
cylinder-bands	0.7222	0.2778	0.7222	0.4088	0.7593
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8257	0.1743	0.8257	0.3826	0.6272
deposit	0.8978	0.1022	0.8978	0.4372	0.6150
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9333	0.0667	0.9333	0.8667	0.3124
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5380	0.6517
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.2174	0.9105
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5895	0.4105	0.5895	0.1742	0.9382
dropout	0.7404	0.1731	0.7404	0.5523	0.4593
drug-01	0.3989	0.1717	0.3989	0.0078	0.3625
drug-02	0.5106	0.1398	0.5106	0.0124	0.4081
drug-03	0.6702	0.0942	0.6702	-0.0189	0.3366
drug-04	0.5160	0.1383	0.5160	0.0070	0.4769
drug-05	0.7394	0.0745	0.7394	0.0442	0.1831
drug-06	0.3883	0.1748	0.3883	0.2103	0.4416
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5585	0.1261	0.5585	0.0492	0.3426
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5426	0.1307	0.5426	0.0146	0.3382
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6117	0.1109	0.6117	0.2746	0.3492
drug-14	0.6011	0.1140	0.6011	0.1745	0.3832
drug-15	0.7660	0.0669	0.7660	0.0664	0.1851
drug-16	0.5745	0.1216	0.5745	0.3098	0.4468
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7660	0.0669	0.7660	0.0083	0.2136
drybean	0.9361	0.0183	0.9361	0.9226	0.1064
ecoli	0.7941	0.0515	0.7941	0.7122	0.1297
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1684	0.1039	0.1684	0.0316	0.3895
eeg-eye	0.5975	0.4025	0.5975	0.1163	0.5959
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.4115	0.8025
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5635	0.5790
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8689	0.1311	0.8689	0.7095	0.5392
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5734	0.6660
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6438	0.1425	0.6438	0.5312	0.3139
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9261	0.0739	0.9261	0.8517	0.3514
fbis-wc	0.5610	0.0517	0.5610	0.4843	0.2500
fda.atompair_fp	0.7273	0.2727	0.7273	0.2326	0.8276
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6815	0.1595
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4073	0.0077	0.4073	0.3505	0.2691
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8217	0.0594	0.8217	0.7838	0.1684
gastrointestinal	0.6875	0.2083	0.6875	0.5266	0.4186
gender	0.5916	0.2723	0.5916	0.0103	0.3336
gene	0.9243	0.0505	0.9243	0.8792	0.2085
german	0.6400	0.3600	0.6400	0.0601	0.8430
gina	0.8156	0.1844	0.8156	0.6294	0.5844
glass	0.7619	0.0794	0.7619	0.6769	0.2763
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8333	0.1667	0.8333	0.6515	0.5910
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4512	0.3984
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9533	0.0078	0.9533	0.9449	0.0496
har70	0.8986	0.0235	0.9287	0.8942	0.1171
harth10%	0.7395	0.0434	0.7395	0.6338	0.1544
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8208	0.1792	0.8208	0.6416	0.6231
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6591	0.5916
higgs10%	0.5512	0.4488	0.5512	0.0500	0.5874
higher	0.3571	0.1607	0.3571	0.2410	0.2693
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.9140	0.0860	0.9140	0.6711	0.4763
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.5556	0.2963	0.5556	0.1783	0.6560
htru2	0.9782	0.0218	0.9782	0.8627	0.2293
ht-sensor	0.7552	0.1632	0.7552	0.6375	0.3773
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.2293	0.8610
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5802	0.0323	0.5802	0.5634	0.2002
jm1	0.8062	0.1938	0.8062	0.1355	0.6606
fvowels	0.8384	0.0359	0.8384	0.8168	0.2123
kc1	0.8673	0.1327	0.8673	0.3097	0.5233
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.0089	0.2371
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8706	0.0144	0.8706	0.8555	0.1663
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7430	0.0877	0.7309	0.6600	0.3699
la2s-wc	0.7573	0.0803	0.7647	0.6789	0.3326
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7221	0.0631
led24	0.5500	0.0900	0.5500	0.4958	0.2199
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4250	0.0442	0.4250	0.4027	0.2868
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8889	0.0148	0.8889	0.8806	0.0506
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0001
liver	0.5000	0.5000	0.5000	0.0586	0.8727
localization	0.5140	0.0884	0.5140	0.3651	0.4095
lrs	0.8679	0.0264	0.8679	0.8158	0.1005
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5192	0.4808	0.5192	0.0385	0.9732
magic04	0.7801	0.2199	0.7801	0.4501	0.5476

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4805	0.7584
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7446	0.3750
messidor	0.6696	0.3304	0.6696	0.3630	0.7589
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0818
mfeat-fou	0.7650	0.0470	0.7650	0.7389	0.1844
mfeat-kar	0.8450	0.0310	0.8450	0.8278	0.1505
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.2059
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0376
mfeat-zer	0.7000	0.0600	0.7000	0.6667	0.2264
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4576
mobile	0.4231	0.0206	0.4231	0.4126	0.2064
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9727	0.0273	0.9727	0.8875	0.0949
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9218
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.6634
mutagen_class_3	0.5072	0.4928	0.5072	0.0076	0.9561
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7804
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3326	0.8516
MUT_ci300400a	0.6955	0.3045	0.6955	0.4038	0.7738
MUT_ci300400a_cdk_ECFP2	0.6559	0.3441	0.6559	0.2116	0.6677
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9686	0.0314	0.9686	0.9373	0.1876
nci9	0.8333	0.0370	0.8333	0.8065	0.0000
ncRNA10%	0.8914	0.0096	0.9062	0.7307	0.2064
newspop	0.5336	0.4664	0.5336	0.0029	0.5282
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9512	0.0488	0.9512	0.8796	0.2865
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0087	0.7011
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9956	0.0044	0.9956	0.9877	0.0587
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.7030	0.0594	0.7030	0.6530	0.1547
oh10-wc	0.5619	0.0876	0.5619	0.4882	0.2710
oh15-wc	0.5761	0.0848	0.5761	0.5030	0.2217
oh5-wc	0.6484	0.0703	0.6484	0.5973	0.2279
opn310k	0.9119	0.0881	0.9119	0.0789	0.2929
opnat310k-hg16-17	0.9127	0.0873	0.9127	0.0886	0.2730
optdigits	0.9377	0.0125	0.9377	0.9308	0.0803
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7750	0.0112	0.7750	0.7692	0.0529
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9051	0.0949	0.9051	0.0994	0.6712
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9049	0.1119

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8698	0.1302	0.8698	0.6762	0.5616
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5155	0.4845	0.5155	-0.0323	0.9944
pd	0.8947	0.1053	0.8947	0.7193	0.5115
pediatric-leukemia	0.7941	0.0588	0.7941	0.7452	0.1545
pendigits	0.9864	0.0027	0.9864	0.9848	0.0226
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5505	0.6754
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8631
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6851	0.5336
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.8000	0.2000	0.8000	0.5652	0.6314
phishing	0.9837	0.0163	0.9837	0.9657	0.1170
phoneme	0.8019	0.1981	0.8019	0.5453	0.6815
phy	0.6304	0.3696	0.6304	0.2587	0.7899
pima	0.7500	0.2500	0.7500	0.4480	0.7236
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.8417	0.0317	0.8417	0.7087	0.1798
polish-1st	0.9687	0.0313	0.9687	0.4847	0.4673
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0592	0.4351
polish-4th	0.9551	0.0449	0.9551	0.4417	0.4912
polish-5th	0.9526	0.0474	0.9526	0.5119	0.3384
polya	0.6519	0.3481	0.6519	0.0412	0.5483
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.5556	0.2963	0.5556	0.0000	0.4796
postures	0.7102	0.1159	0.7102	0.6371	0.2836
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.9095
primary-tumor	0.3939	0.0551	0.3939	0.3182	0.2366
profb	0.7463	0.2537	0.7463	0.4040	0.7813
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9398	0.0241	0.9398	0.9185	0.0981
pufs-6410%	0.5007	0.4993	0.5007	0.0013	0.9988
raisin	0.8333	0.1667	0.8333	0.6667	0.5823
re0-wc	0.4867	0.0790	0.4867	0.2187	0.3731
re1-wc	0.5482	0.0361	0.5482	0.4623	0.1800
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5893	0.4107	0.5893	-0.0019	0.6041
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0032
satimage	0.8383	0.0539	0.8383	0.7995	0.2074
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.8989	0.1011	0.8989	0.0468	0.3692
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.9231	0.0769	0.9231	0.1103	0.6287
secondary_mushroom	0.6779	0.3221	0.6779	0.3914	0.5105
segment	0.9654	0.0099	0.9654	0.9595	0.0466
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9147	0.0853	0.9147	0.0467	0.6607
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8789	0.1211	0.8789	0.1770	0.4180
sens-3-gram	0.8605	0.1395	0.8605	0.0641	0.5968
sens-4-gram	0.8737	0.1378	0.8519	0.1315	0.6615
sensorless	0.9944	0.0010	0.9944	0.9938	0.0113
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8921	0.1079	0.8921	0.5352	0.5698
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8276	0.0656
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9995	0.0005	0.9995	0.9985	0.0100
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.7626	0.0791	0.7626	0.6948	0.2091
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9109	0.0891	0.9109	0.8131	0.4073
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5094	0.0204	0.5094	0.4770	0.1396
splice-EI	0.9653	0.0347	0.9653	0.9099	0.2583
splice-IE	0.9464	0.0536	0.9464	0.8522	0.3405
sport-articles	0.7700	0.2300	0.7700	0.5039	0.7330
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7641	0.2359	0.7641	0.0047	0.7554
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8950	0.0700	0.8950	0.8299	0.2393
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7077	0.2923	0.7077	0.2576	0.7458
steel-p	0.9128	0.0872	0.9128	0.3672	0.6383
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	1.0000	0.0000	1.0000	1.0000	0.0000
studentap	0.4615	0.3590	0.4615	0.1574	0.6947
student-weekend	0.3231	0.2708	0.3231	-0.0124	0.6701
student-workday	0.6875	0.1250	0.6875	0.0504	0.3260
susy10%	0.7565	0.2435	0.7565	0.5044	0.7312
swarm_aligned	0.9805	0.0000	0.9797	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9844	0.9852	0.0047
swarm_grouped	0.9823	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9527	0.0086	0.9527	0.9479	0.0569
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.8947	0.1053	0.8947	0.7441	0.4906
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8706	0.1294	0.8706	0.6361	0.5637
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.8780	0.0271	0.8780	0.8496	0.0826
trec12-wc	0.9677	0.0081	0.9677	0.9612	0.0265

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9355	0.0184	0.9355	0.9148	0.0639
trec41-wc	0.9659	0.0068	0.9659	0.9585	0.0447
trec45-wc	0.9565	0.0087	0.9565	0.9495	0.0428
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8000	0.1000	0.8000	0.7333	0.2410
tvnews	0.8216	0.1784	0.8216	0.6046	0.6280
urban	0.8507	0.0332	0.8507	0.8243	0.1242
vehicle	0.7619	0.1190	0.7619	0.6777	0.2757
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5859	0.0753	0.5859	0.5444	0.2563
vowelZ	0.9394	0.0606	0.9394	0.4762	0.1598
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8432	0.0448	0.8432	0.8162	0.1444
watch-gyr10%	0.9202	0.0228	0.9202	0.9067	0.0930
waveform	0.7480	0.1680	0.7480	0.6220	0.4895
web-phishing	0.8741	0.0840	0.8741	0.7760	0.3745
weight-lift	0.5042	0.1983	0.5042	0.3293	0.2980
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6038	0.1321	0.6038	0.3397	0.3480
winequality-white	0.4969	0.1437	0.4969	0.1822	0.4979
winnipeg	0.9954	0.0062	0.9795	0.9539	0.0482
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.5473	0.0905	0.5473	0.4180	0.3675
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7290	0.0542	0.7290	0.6961	0.2251
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 132: Detailed results for OVA

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1151	0.0610	0.1151	0.0392	0.5147
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9809	0.0191	0.9809	0.2004	0.4723
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8604	0.1396	0.8604	0.5767	0.5759
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.9127	0.0873	0.9127	0.1305	0.4762
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9930	0.0070	0.9930	0.1572	0.4873
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9555	0.0223	0.9555	0.9149	0.1282
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9346	0.0163	0.9346	0.8927	0.1874
anuran-species	0.9278	0.0144	0.9278	0.9006	0.1818
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6667	0.0513	0.6667	0.5055	0.2458
auction	0.9706	0.0294	0.9706	0.8720	0.3203
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7297	0.1434
avila	0.8055	0.0324	0.8055	0.7361	0.1443
balance	0.7903	0.1398	0.7903	0.6313	0.4335
bank	0.9109	0.0891	0.9109	0.5740	0.5959
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6288	0.6224
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9852	0.0010	0.9852	0.1620	0.5443
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1615
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9014	0.1238
card	0.8116	0.1884	0.8116	0.6223	0.6266
cardiotocography	0.7934	0.0413	0.7934	0.7551	0.3213
cardiotocography-nsp	0.9061	0.0626	0.9061	0.7445	0.3896
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6750	0.2167	0.6750	0.3968	0.6433
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0557	0.5953
cdc_diabetes	0.8454	0.1030	0.8454	0.1974	0.4014
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.5249	0.6842
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6687	0.5304
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5328	0.6071
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.6429	0.2381	0.6429	0.3255	0.6943
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7778	0.1111	0.7778	0.6562	0.4649
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5000	0.3333	0.5000	0.2800	0.5993
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5510	0.2993	0.5510	0.3057	0.7020
cnae-9	0.8704	0.0288	0.8704	0.8542	0.1161
codon_usage	0.7068	0.0533	0.7068	0.6434	0.4017
coil20	0.7778	0.0222	0.7778	0.7659	0.1315
collins	0.7400	0.0347	0.7400	0.7130	0.1266
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.6774	0.2151	0.6774	0.4746	0.3453
connect-4	0.9837	0.0109	0.9837	0.4761	0.1344
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3729	0.8278
covtype	0.7329	0.0763	0.7329	0.5620	0.3195
covtypeCD	0.9766	0.0234	0.9766	0.9006	0.2376
covtypeT	0.9779	0.0221	0.9779	0.8275	0.3205
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8406	0.0531	0.8406	0.6317	0.2431
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0625	0.0469	0.0625	0.0381	0.1883
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9459	0.0180	0.9459	0.9322	0.0575
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5393	0.3071	0.5393	0.0071	0.3973
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7291	0.1806	0.7291	0.5316	0.4766
drug-01	0.4096	0.1687	0.4096	0.0538	0.5043
drug-02	0.4947	0.1444	0.4947	0.0323	0.5715
drug-03	0.6702	0.0942	0.6702	0.0012	0.4198
drug-04	0.5106	0.1398	0.5106	0.0742	0.7049
drug-05	0.7128	0.0821	0.7128	0.0282	0.4466
drug-06	0.3936	0.1733	0.3936	0.2334	0.5982
drug-07	0.3936	0.1733	0.3936	-0.0365	0.4693
drug-08	0.4894	0.1459	0.4894	0.0442	0.6233
drug-09	0.8404	0.0456	0.8404	0.0264	0.5553
drug-10	0.5053	0.1413	0.5053	0.0654	0.6444
drug-11	0.8138	0.0532	0.8138	0.0080	0.6140
drug-12	0.7447	0.0729	0.7447	-0.0327	0.6335
drug-13	0.5904	0.1170	0.5904	0.2411	0.5899
drug-14	0.5904	0.1170	0.5904	0.2206	0.5752
drug-15	0.7234	0.0790	0.7234	0.0674	0.6864
drug-16	0.5745	0.1216	0.5745	0.3165	0.4783
drug-17	0.3511	0.1854	0.3511	0.1376	0.6167
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	0.0112	0.4371
drybean	0.9008	0.0283	0.9008	0.8800	0.1587
ecoli	0.7353	0.0662	0.7353	0.6102	0.2165
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2512	0.0936	0.2512	0.1460	0.5962
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.3556	0.5608
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6423	0.5581
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9355	0.0645	0.9355	0.8526	0.3564
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5563	0.3739
euthyroid	0.9462	0.0538	0.9462	0.7086	0.4937
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.6423	0.0421	0.6423	0.5987	0.3198
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3000	0.1750	0.3000	0.1139	0.3206
fontaine_MACCS	0.8864	0.1136	0.8864	0.7577	0.4884
fonts10%	0.5414	0.0060	0.5414	0.5203	0.6810
forest	0.9231	0.0385	0.9231	0.8939	0.1150
gas	0.9367	0.0211	0.9367	0.9234	0.1215
gastrointestinal	0.7500	0.1667	0.7500	0.6213	0.3144
gender	0.5853	0.2765	0.5853	0.0144	0.4719
gene	0.8927	0.0715	0.8927	0.8290	0.2869
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.8095	0.0635	0.8095	0.7415	0.2227
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.6875	0.3125	0.6875	0.3548	0.8301
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.7500	0.2500	0.7500	0.3333	0.7987
glioma	0.8000	0.1000	0.8000	0.6667	0.1078
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4140
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8326	0.0279	0.8326	0.8012	0.1789
har70	0.9402	0.0232	0.9049	0.9026	0.1194
harth10%	0.8446	0.0259	0.8446	0.7868	0.2339
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5761
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.2857	0.1786	0.2857	0.1860	0.3551
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5237	0.6374
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.6944	0.2037	0.6944	0.4575	0.5206
htru2	0.9777	0.0223	0.9777	0.8596	0.2396
ht-sensor	0.7279	0.1814	0.7279	0.5939	0.4369
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0888
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4531	0.0421	0.4531	0.4313	0.3332
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
fvowels	0.7932	0.0460	0.7932	0.7659	0.2741
kc1	0.8531	0.1469	0.8531	0.2727	0.6396
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.2857	0.8676
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1478	0.2056
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8289	0.0190	0.8289	0.8089	0.2073
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7320	0.0863	0.7483	0.6543	0.3724
la2s-wc	0.7453	0.0792	0.7471	0.6874	0.3223
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5000	0.0250	0.5000	0.4783	0.1092
led24	0.5000	0.1000	0.5000	0.4444	0.2462
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8540	0.0112	0.8540	0.8481	0.1647
leukemia	0.5714	0.2857	0.5714	0.4000	0.3025
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5556	0.0593	0.5556	0.5228	0.1974
linkage10%	1.0000	0.0000	0.9983	0.9978	0.0001
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5031	0.0903	0.5031	0.3072	0.4749
lrs	0.6981	0.0604	0.6981	0.5943	0.2435
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5102	0.1999
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7586	0.2327
lymphoma2	0.6667	0.0741	0.6667	0.5345	0.0783
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7791	0.2209	0.7791	0.4462	0.5424

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5817	0.6807
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6522	0.4173
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8428	0.1169
meter-D	0.8889	0.0556	0.8889	0.8487	0.1442
mfeat-fac	0.8750	0.0250	0.8750	0.8611	0.1370
mfeat-fou	0.6100	0.0780	0.6100	0.5667	0.3106
mfeat-kar	0.6350	0.0730	0.6350	0.5944	0.3286
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2377
mfeat-pix	0.8550	0.0290	0.8550	0.8389	0.1599
mfeat-zer	0.5950	0.0810	0.5950	0.5500	0.3531
mice-prot	0.7593	0.0602	0.7593	0.7240	0.2249
mines	0.5294	0.1882	0.5294	0.4125	0.4264
mobile	0.4720	0.0189	0.4720	0.4625	0.2383
monks-1	0.7273	0.2727	0.7273	0.4562	0.7625
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8706	0.0324	0.8706	0.4371	0.4089
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.3333	0.1481	0.3333	0.2258	0.1321
ncRNA10%	0.8984	0.0097	0.8947	0.7220	0.2083
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9283	0.0717	0.9283	0.8271	0.3910
NPHA-doctor-visits	0.3889	0.4074	0.3889	-0.0507	0.7878
nursery	0.9946	0.0022	0.9946	0.9921	0.0133
obs	0.8889	0.0556	0.8889	0.8401	0.1235
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9730	0.0432
oh0-wc	0.8614	0.0277	0.8614	0.8404	0.1280
oh10-wc	0.6095	0.0781	0.6095	0.5493	0.3260
oh15-wc	0.6304	0.0739	0.6304	0.5845	0.2814
oh5-wc	0.6593	0.0681	0.6593	0.6119	0.2533
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.8505	0.0299	0.8505	0.8338	0.1816
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.3750	0.0312	0.3750	0.3590	0.1627
orlraws10P	0.6000	0.0800	0.6000	0.5556	0.1003
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9407	0.0593	0.9407	-0.0293	0.6345
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9708	0.0117	0.9708	0.8369	0.2189

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.7059	0.0840	0.7059	0.6541	0.2270
pendigits	0.9390	0.0122	0.9390	0.9322	0.0909
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.7944	0.2056	0.7944	0.5652	0.6136
phy	0.6274	0.3726	0.6274	0.2526	0.7838
pima	0.7105	0.2895	0.7105	0.3871	0.8164
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6681	0.0664	0.6681	0.3839	0.4985
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9541	0.0459	0.9541	0.4225	0.4959
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6308	0.2462	0.6308	0.0033	0.3465
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8193	0.0723	0.8193	0.7736	0.2211
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3939	0.0551	0.3939	0.3293	0.2536
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9314	0.0274	0.9314	0.9072	0.1166
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.6533	0.0533	0.6533	0.5233	0.4299
re1-wc	0.7590	0.0193	0.7590	0.7242	0.2171
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9375	0.0250	0.9375	0.9181	0.0978
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9983	0.0003	0.9983	0.9957	0.0064
satimage	0.8383	0.0539	0.8383	0.7996	0.2481
satimageF	0.9844	0.0156	0.9844	0.9198	0.2059
satimageT	0.8927	0.1073	0.8927	0.0545	0.5389
scadi	0.7143	0.0816	0.7143	0.6410	0.0842
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9394	0.0173	0.9394	0.9292	0.0800
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8778	0.1417	0.8462	0.1339	0.6309
sensorless	0.9679	0.0058	0.9679	0.9647	0.0456
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	0.9998	0.0000	0.9998	0.9995	0.0003
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9732	0.1170
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7482	0.0839	0.7482	0.6773	0.2532
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9265	0.0077	0.9265	0.9194	0.0428
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7358	0.5083
spectrometer	0.3019	0.0291	0.3019	0.2606	0.1950
splice-EI	0.9527	0.0473	0.9527	0.8761	0.3109
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7600	0.2400	0.7600	0.4852	0.7487
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9744	0.0256	0.9744	0.5324	0.5024
steel_industry	0.8884	0.0744	0.8884	0.8193	0.2578
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.8974	0.1026	0.8974	0.2780	0.6749
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9641	0.0359	0.9641	0.8093	0.4129
studentap	0.5385	0.3077	0.5385	0.2909	0.6132
student-weekend	0.2769	0.2892	0.2769	-0.0366	0.7682
student-workday	0.7031	0.1187	0.7031	0.1778	0.4237
susy10%	0.7565	0.2435	0.7565	0.5043	0.7312
swarm_aligned	0.9893	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9945	0.0004	1.0000	1.0000	0.0046
swarm_grouped	1.0000	0.0000	1.0000	0.9887	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7128
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9073	0.0169	0.9073	0.8978	0.1101
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.5000	0.0941
tox_171	0.7059	0.1471	0.7059	0.5991	0.2510
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.7805	0.0488	0.7805	0.7353	0.2029
trec12-wc	0.8065	0.0484	0.8065	0.7669	0.1363

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6489	0.1802
trec23-wc	0.8571	0.0476	0.8571	0.8085	0.1612
trec31-wc	0.9462	0.0154	0.9462	0.9284	0.0762
trec41-wc	0.9091	0.0182	0.9091	0.8901	0.0863
trec45-wc	0.8696	0.0261	0.8696	0.8463	0.0886
tuandromd	0.9821	0.0179	0.9821	0.9443	0.1640
turkish	0.6750	0.1625	0.6750	0.5667	0.3424
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.7015	0.0663	0.7015	0.6496	0.2625
vehicle	0.7500	0.1250	0.7500	0.6560	0.2968
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8140	0.1860	0.8140	0.6301	0.5432
vowel	0.3939	0.1102	0.3939	0.3333	0.3328
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.5962	0.0404	0.5962	0.5440	0.2450
warpar10p	0.6154	0.0769	0.6154	0.5695	0.1197
warppie10p	0.7143	0.0571	0.7143	0.6810	0.1256
watch-acc10%	0.9162	0.0239	0.9162	0.9020	0.0823
watch-gyr10%	0.9061	0.0268	0.9061	0.8903	0.0760
waveform	0.6640	0.2240	0.6640	0.4968	0.5233
web-phishing	0.9037	0.0642	0.9037	0.8340	0.3267
weight-lift	0.6163	0.1535	0.6163	0.5169	0.3636
white-clover	0.1667	0.4167	0.1667	-0.3636	0.3096
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0511
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4654	0.1782	0.4654	0.1695	0.5820
winequality-white	0.4397	0.1601	0.4397	0.0342	0.5614
winnipeg	0.9709	0.0064	0.9768	0.9813	0.0478
yale	0.2500	0.1000	0.2500	0.2000	0.2104
yeast	0.5068	0.0986	0.5068	0.3714	0.4520
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME2	0.9324	0.0676	0.9324	0.2503	0.6337
zip	0.6860	0.0628	0.6860	0.6409	0.2755
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 133: Detailed results for MSmoothBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1319	0.0599	0.1319	0.0285	0.3711
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9822	0.0178	0.9822	0.1192	0.3053
ads	0.9634	0.0366	0.9634	0.8395	0.2634
adult	0.8610	0.1390	0.8610	0.5765	0.5701
AID1284Morered	0.8056	0.1944	0.8056	-0.0862	0.8010
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.8810	0.1190	0.8810	-0.0488	0.7141
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7619	0.2381	0.7619	-0.0371	0.8340
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6757	0.3243	0.6757	0.2975	0.8463
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9968	0.0032	0.9968	0.1617	0.0150
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9936	0.0064	0.9936	0.0489	0.3050
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6533	0.5733
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9555	0.0223	0.9555	0.9146	0.1097
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9249	0.0188	0.9249	0.8757	0.1465
anuran-species	0.9514	0.0097	0.9514	0.9319	0.0674
aps-failure	0.9864	0.0136	0.9864	0.4197	0.1703
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.6889	0.0479	0.6889	0.4656	0.2356
auction	0.9755	0.0245	0.9755	0.8916	0.2766
audiology	0.8261	0.0145	0.8261	0.7987	0.0297
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8013	0.1213
avila	0.6679	0.0553	0.6679	0.5232	0.2532
balance	0.8226	0.1183	0.8226	0.6771	0.3633
bank	0.9143	0.0857	0.9143	0.5733	0.5854
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8203	0.1797	0.8203	0.5705	0.4770
basehock	0.9347	0.0653	0.9347	0.8694	0.2767
bio	0.9962	0.0038	0.9962	0.7389	0.1595
biodeg	0.8762	0.1238	0.8762	0.7362	0.5083
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9859	0.0010	0.9859	0.0499	0.0218
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2414	0.8512
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9106	0.0894	0.9106	0.0366	0.2389
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9540	0.0230	0.9540	0.9006	0.1517
card	0.8986	0.1014	0.8986	0.7928	0.4424
cardiotocography	0.8451	0.0310	0.8451	0.8130	0.1599
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7888	0.2942
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5829	0.4631
cas_N6512_cdk_ECFP2	0.5561	0.4439	0.5561	0.0409	0.5817
cdc_diabetes	0.8316	0.1122	0.8316	0.3026	0.3850
census10%	0.9492	0.0508	0.9492	0.3660	0.4261
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9419	0.0581	0.9419	0.4173	0.4835
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9998	0.0002	0.9998	0.8570	0.0702
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6788	0.5564
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6347	0.5902
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2857	0.7837
cirrhosis	0.6905	0.2063	0.6905	0.3531	0.4284
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7750	0.1125	0.7750	0.6376	0.3676
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.7500	0.1667	0.7500	0.6000	0.3320
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5714	0.2857	0.5714	0.3134	0.6600
cnae-9	0.8426	0.0350	0.8426	0.8229	0.1490
codon_usage	0.6523	0.0632	0.6523	0.5658	0.2336
coil20	0.8750	0.0125	0.8750	0.8684	0.0649
collins	0.9600	0.0053	0.9600	0.9560	0.0218
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.0684	0.9797
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.5862	0.4138	0.5862	0.1256	0.9452
colposcopies-4	0.6897	0.3103	0.6897	0.1920	0.8695

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.5862	0.4138	0.5862	0.1553	0.8390
colposcopies-c	0.7931	0.2069	0.7931	0.5272	0.6464
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9824	0.0117	0.9824	0.5939	0.4438
cottonmeloidogyne	0.6250	0.3750	0.6250	0.2545	0.6888
coupon	0.7019	0.2981	0.7019	0.3825	0.8189
covtype	0.7035	0.0847	0.7035	0.5082	0.2777
covtypeCD	0.9811	0.0189	0.9811	0.9180	0.1696
covtypeT	0.9797	0.0203	0.9797	0.8408	0.2965
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8433	0.0522	0.8433	0.6285	0.2281
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4097	0.0294	0.4033	0.3824	0.0989
cyclopentane	0.7407	0.2593	0.7407	0.4615	0.7356
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8250	0.1750	0.8250	0.3811	0.6308
deposit	0.8998	0.1002	0.8998	0.4466	0.6070
dermatology	0.9189	0.0270	0.9189	0.8987	0.0899
desharnais	0.5000	0.3333	0.5000	0.2889	0.5108
dexter	0.8500	0.1500	0.8500	0.7000	0.5201
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5403	0.3065	0.5403	0.0033	0.3534
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0771	0.8838
dropout	0.7314	0.1791	0.7314	0.5313	0.4707
drug-01	0.4096	0.1687	0.4096	0.0349	0.3808
drug-02	0.5053	0.1413	0.5053	0.0099	0.3856
drug-03	0.6755	0.0927	0.6755	-0.0121	0.2878
drug-04	0.4628	0.1535	0.4628	0.1120	0.4731
drug-05	0.7234	0.0790	0.7234	0.0094	0.3714
drug-06	0.3777	0.1778	0.3777	0.1889	0.4738
drug-07	0.3617	0.1824	0.3617	0.0033	0.3106
drug-08	0.5426	0.1307	0.5426	0.0298	0.4109
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5372	0.1322	0.5372	0.0089	0.3731
drug-11	0.8457	0.0441	0.8457	-0.0070	0.2075
drug-12	0.7660	0.0669	0.7660	-0.0326	0.3484
drug-13	0.6064	0.1125	0.6064	0.3384	0.4950
drug-14	0.4840	0.1474	0.4840	0.2107	0.6100
drug-15	0.7447	0.0729	0.7447	0.0526	0.3744
drug-16	0.5638	0.1246	0.5638	0.2510	0.3829
drug-17	0.3191	0.1945	0.3191	0.0012	0.4296
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7606	0.0684	0.7606	0.0015	0.3126
drybean	0.9199	0.0229	0.9199	0.9027	0.1160
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1673	0.1041	0.1673	0.0304	0.3865
eeg-eye	0.5648	0.4352	0.5648	0.0348	0.5395
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2066	0.7811
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6395	0.5945
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	-0.0403	0.6626
eucalyptus	0.6575	0.1370	0.6575	0.5635	0.3589
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9198	0.0802	0.9198	0.8391	0.3711
fbis-wc	0.6260	0.0440	0.6260	0.5606	0.2269
fda.atompair_fp	0.7273	0.2727	0.7273	0.2326	0.8276
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.4839	0.2156
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.2687	0.0096	0.2687	0.1984	0.3105
forest	0.8654	0.0673	0.8654	0.8143	0.1848
gas	0.8706	0.0431	0.8706	0.8436	0.1380
gastrointestinal	0.8750	0.0833	0.8750	0.8072	0.2544
gender	0.5895	0.2737	0.5895	0.0104	0.4047
gene	0.9401	0.0400	0.9401	0.9041	0.1745
german	0.6900	0.3100	0.6900	0.2092	0.7730
gina	0.8300	0.1700	0.8300	0.6585	0.5584
glass	0.7619	0.0794	0.7619	0.6546	0.1576
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.3333	0.3333	0.3333	0.0683	0.5262
haberman	0.7667	0.2333	0.7667	0.2553	0.6855
hapt	0.8609	0.0232	0.8609	0.8351	0.1353
har70	0.8461	0.0440	0.8461	0.7820	0.1358
harth10%	0.7483	0.0419	0.7483	0.6639	0.1566
hayes-roth	0.8750	0.0833	0.8750	0.8049	0.1629
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7959	0.2041	0.7959	0.5911	0.5754
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5566	0.4399	0.5582	0.0496	0.5778
higher	0.1429	0.2143	0.1429	-0.0120	0.4326
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8752	0.1248	0.8752	0.5081	0.6066
hiva	0.9669	0.0331	0.9669	0.2129	0.3258
horse	0.6111	0.2593	0.6111	0.3000	0.6125
htru2	0.9771	0.0229	0.9771	0.8581	0.2638
ht-sensor	0.6781	0.2146	0.6781	0.5263	0.3776
hypothyroid	0.9894	0.0053	0.9894	0.9359	0.0881
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.2850	0.0550	0.2850	0.2564	0.3224
jm1	0.8108	0.1892	0.8108	0.0696	0.4751
fvowels	0.7560	0.0542	0.7560	0.7235	0.2331
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2566	0.1231
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8018	0.0220	0.8018	0.7788	0.3053
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5968	0.1344	0.5968	0.4946	0.2981
la2s-wc	0.5695	0.1435	0.5695	0.4109	0.2867
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7216	0.0135	0.7375	0.7304	0.0616
led24	0.6500	0.0700	0.6500	0.6100	0.1678
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.3165	0.0526	0.3165	0.2894	0.3809
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6667	0.0444	0.6667	0.6421	0.1434
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6765	0.3235	0.6765	0.2780	0.8579
localization	0.4086	0.1075	0.4086	0.1847	0.3687
lrs	0.8302	0.0340	0.8302	0.7650	0.0946
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.0896
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4692	0.5308	0.4692	-0.0615	1.0000
magic04	0.7980	0.2020	0.7980	0.5018	0.5313

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5411	0.7155
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7327	0.1782	0.7327	0.5975	0.4606
messidor	0.6174	0.3826	0.6174	0.2843	0.6813
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	0.8889	0.0741	0.8889	0.8235	0.1114
meter-C	0.8889	0.0556	0.8889	0.8448	0.1217
meter-D	0.9444	0.0278	0.9444	0.9217	0.0489
mfeat-fac	0.8450	0.0310	0.8450	0.8278	0.1498
mfeat-fou	0.6050	0.0790	0.6050	0.5611	0.3225
mfeat-kar	0.7750	0.0450	0.7750	0.7500	0.2119
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2003
mfeat-pix	0.9250	0.0150	0.9250	0.9167	0.0894
mfeat-zer	0.4550	0.1090	0.4550	0.3944	0.4064
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0098
mines	0.6176	0.1529	0.6176	0.5185	0.3272
mobile	0.4284	0.0209	0.4214	0.4131	0.2111
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8848	0.1152	0.8848	0.3737	0.3054
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.7477
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.6040	0.3960	0.6040	0.0865	0.6191
MUT_ci300400a_cdk_ECFP2	0.5959	0.4041	0.5959	0.0385	0.5450
myocardial	0.8882	0.0279	0.8882	0.4571	0.2159
naticusdroid	0.9553	0.0447	0.9553	0.9107	0.2365
nci9	0.5000	0.1111	0.5000	0.4545	0.0625
ncRNA10%	0.8857	0.0120	0.8857	0.6556	0.1285
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9327	0.0673	0.9327	0.8369	0.3743
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0845	0.7534
nursery	0.9907	0.0037	0.9907	0.9864	0.0207
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9755	0.1012
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0301
oh0-wc	0.8218	0.0356	0.8218	0.7971	0.1265
oh10-wc	0.6095	0.0781	0.6095	0.5562	0.2624
oh15-wc	0.7391	0.0522	0.7391	0.6994	0.1888
oh5-wc	0.7143	0.0571	0.7143	0.6724	0.2109
opn310k	0.9105	0.0895	0.9105	0.0315	0.2252
opnat310k-hg16-17	0.9108	0.0892	0.9108	0.0437	0.2447
optdigits	0.9395	0.0121	0.9395	0.9327	0.0875
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	0.7694	0.0115	0.7691	0.7859	0.0535
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0760
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9605	0.0395	0.9605	0.1516	0.5272
ozone8hr	0.9209	0.0791	0.9209	0.1984	0.5790
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8612	0.1535

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8699	0.1301	0.8699	0.6790	0.5628
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.5670	0.4330	0.5670	-0.0307	0.6801
pd	0.8553	0.1447	0.8553	0.5600	0.5340
pediatric-leukemia	0.8529	0.0420	0.8529	0.8180	0.1056
pendigits	0.9782	0.0044	0.9782	0.9757	0.0330
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.7990	0.2010	0.7990	0.5334	0.6799
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9510	0.0490	0.9510	0.8972	0.2697
phoneme	0.8019	0.1981	0.8019	0.5721	0.6271
phy	0.6298	0.3702	0.6298	0.2575	0.7947
pima	0.7500	0.2500	0.7500	0.4412	0.6999
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.6538	0.0692	0.6538	0.3354	0.2877
polish-1st	0.9716	0.0284	0.9716	0.4617	0.3058
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9476	0.0524	0.9476	-0.0087	0.4454
polish-4th	0.9541	0.0459	0.9541	0.3947	0.4711
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6432	0.3568	0.6432	0.0090	0.5383
popularity	0.6305	0.2463	0.6305	0.0010	0.3395
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.7301	0.1080	0.7301	0.6641	0.2044
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7929
primary-tumor	0.3333	0.0606	0.3333	0.2667	0.2381
profb	0.6866	0.3134	0.6866	0.1394	0.7748
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9142	0.0343	0.9142	0.8835	0.1189
pufs-6410%	0.4983	0.5017	0.4983	-0.0034	1.0000
raisin	0.8444	0.1556	0.8444	0.6889	0.5491
re0-wc	0.5933	0.0626	0.5933	0.3870	0.3053
re1-wc	0.6807	0.0255	0.6807	0.6221	0.1778
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5936	0.4064	0.5936	0.0042	0.5030
RT_IOT2022	0.9986	0.0002	0.9986	0.9965	0.0024
satimage	0.8569	0.0477	0.8569	0.8235	0.2162
satimageF	0.9844	0.0156	0.9844	0.9218	0.2346
satimageT	0.9191	0.0809	0.9191	0.5489	0.5866
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9654	0.0099	0.9654	0.9595	0.0462
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.0719	0.5611
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-4-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sensorless	0.8400	0.0291	0.8400	0.8240	0.1050
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8954	0.1046	0.8954	0.5535	0.5618
shuttle	0.9998	0.0000	0.9998	0.9995	0.0322
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9913	0.0087	0.9913	0.9740	0.1149
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.7626	0.0791	0.7626	0.6996	0.2400
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9559	0.0046	0.9559	0.9515	0.0237
spambase	0.9261	0.0739	0.9261	0.8428	0.3279
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5148	0.0206	0.5212	0.4657	0.1384
splice-EI	0.9748	0.0252	0.9748	0.9342	0.2081
splice-IE	0.9401	0.0599	0.9401	0.8363	0.3713
sport-articles	0.8300	0.1700	0.8300	0.6374	0.6209
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8051	0.1949	0.8051	0.1343	0.4661
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8893	0.0738	0.8893	0.8189	0.2373
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6821	0.3179	0.6821	0.1417	0.6662
steel-p	0.9231	0.0769	0.9231	0.4046	0.5933
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.6923	0.2051	0.6923	0.5094	0.3085
student-weekend	0.3692	0.2523	0.3692	0.0623	0.5975
student-workday	0.7188	0.1125	0.7188	0.1933	0.2994
susy10%	0.7574	0.2426	0.7574	0.5063	0.7308
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5000
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9000	0.0182	0.9000	0.8898	0.1121
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8721	0.1279	0.8721	0.6433	0.5636
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1603
tox_171	0.5294	0.2353	0.5294	0.3818	0.3371
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	0.0711	0.8812
trec11-wc	0.7317	0.0596	0.7317	0.6689	0.1873
trec12-wc	0.8065	0.0484	0.8065	0.7637	0.1550

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5629	0.2289
trec23-wc	0.9048	0.0317	0.9048	0.8658	0.0862
trec31-wc	0.9570	0.0123	0.9570	0.9431	0.0701
trec41-wc	0.9318	0.0136	0.9318	0.9167	0.0658
trec45-wc	0.8551	0.0290	0.8551	0.8295	0.0940
tuandromd	0.9865	0.0135	0.9865	0.9582	0.1317
turkish	0.6750	0.1625	0.6750	0.5667	0.4020
tvnews	0.8334	0.1666	0.8334	0.6351	0.6099
urban	0.7761	0.0498	0.7761	0.7370	0.1789
vehicle	0.8452	0.0774	0.8452	0.7875	0.2154
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4040	0.1084	0.4040	0.3444	0.3009
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0011	0.2421
wap-wc	0.4808	0.0519	0.4808	0.3796	0.2568
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0962
warppiel0p	0.8571	0.0286	0.8571	0.8409	0.0583
watch-acc10%	0.8452	0.0442	0.8452	0.8188	0.1667
watch-gyr10%	0.8736	0.0361	0.8736	0.8525	0.1019
waveform	0.7460	0.1693	0.7460	0.6190	0.4718
web-phishing	0.8815	0.0790	0.8815	0.7919	0.3453
weight-lift	0.4948	0.2021	0.4948	0.3644	0.3152
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9876	0.0124	0.9876	0.8685	0.2770
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4654	0.1782	0.4654	0.2074	0.3751
winequality-white	0.4683	0.1519	0.4683	0.1475	0.6155
winnipeg	0.8460	0.0440	0.8460	0.8023	0.1199
yale	0.5625	0.0583	0.5625	0.5314	0.1140
yeast	0.4459	0.1108	0.4459	0.2980	0.3440
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.7376	0.0525	0.7376	0.7055	0.2116
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 134: Detailed results for sBoost-1(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1727	0.0571	0.1727	0.0833	0.4489
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9822	0.0178	0.9822	0.2130	0.4039
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8610	0.1390	0.8610	0.5792	0.5752
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.9048	0.0952	0.9048	0.1095	0.5932
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9760	0.0026	1.0000	0.4170	0.0122
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8308	0.1692	0.8308	0.5119	0.6792
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9458	0.0271	0.9458	0.8943	0.1221
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9416	0.0146	0.9416	0.9015	0.1400
anuran-species	0.9556	0.0089	0.9556	0.9379	0.0627
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7778	0.0342	0.7778	0.6451	0.2700
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6947	0.0720
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.7980	0.1121
avila	0.8035	0.0327	0.8035	0.7297	0.1169
balance	0.7903	0.1398	0.7903	0.6310	0.4932
bank	0.9109	0.0891	0.9109	0.5747	0.5958
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8286	0.1714	0.8286	0.6500	0.5965
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9863	0.0009	0.9863	0.3237	0.4169
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.6429	0.3571	0.6429	0.2391	0.8288
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9755	0.0473
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8498	0.0300	0.8498	0.8193	0.1757
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8067	0.3152
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5000	0.5267
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0557	0.5953
cdc_diabetes	0.8443	0.1038	0.8443	0.1825	0.3514
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9862	0.0002	1.0000	0.8363	0.1153
ci100410h_MACCS	0.7188	0.2812	0.7188	0.1325	0.8517
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.5249	0.6842
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6463	0.6129
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5802	0.5823
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.5952	0.2698	0.5952	0.2239	0.7407
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7639	0.1181	0.7639	0.6425	0.4441
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5646	0.2902	0.5646	0.3062	0.6790
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0827
codon_usage	0.7529	0.0449	0.7529	0.6944	0.2538
coil20	0.9306	0.0069	0.9306	0.9269	0.0434
collins	0.9800	0.0027	0.9800	0.9781	0.0184
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9843	0.0105	0.9843	0.5020	0.2033
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6956	0.3044	0.6956	0.3714	0.8289
covtype	0.7308	0.0769	0.7308	0.5604	0.3031
covtypeCD	0.9771	0.0229	0.9771	0.9025	0.2320
covtypeT	0.9779	0.0221	0.9779	0.8287	0.3263
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8359	0.0547	0.8359	0.6224	0.2548
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2500	0.0375	0.2500	0.2297	0.1287
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3684	0.5443
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5363	0.3091	0.5363	-0.0023	0.3903
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5542	0.4458	0.5542	0.0779	0.8884
dropout	0.7043	0.1971	0.7043	0.5197	0.5104
drug-01	0.3989	0.1717	0.3989	0.0185	0.3974
drug-02	0.5053	0.1413	0.5053	0.0865	0.5348
drug-03	0.6702	0.0942	0.6702	-0.0290	0.2950
drug-04	0.4681	0.1520	0.4681	0.0917	0.6341
drug-05	0.7074	0.0836	0.7074	-0.0353	0.3673
drug-06	0.3989	0.1717	0.3989	0.2271	0.5291
drug-07	0.4043	0.1702	0.4043	-0.0341	0.3635
drug-08	0.5585	0.1261	0.5585	0.0940	0.3610
drug-09	0.8511	0.0426	0.8511	0.0373	0.4259
drug-10	0.5213	0.1368	0.5213	0.0364	0.4738
drug-11	0.8298	0.0486	0.8298	0.0930	0.4557
drug-12	0.7819	0.0623	0.7819	-0.0137	0.2547
drug-13	0.5904	0.1170	0.5904	0.1849	0.3678
drug-14	0.5585	0.1261	0.5585	0.1407	0.4869
drug-15	0.7447	0.0729	0.7447	0.0982	0.2979
drug-16	0.5532	0.1277	0.5532	0.2303	0.4987
drug-17	0.3777	0.1778	0.3777	0.1232	0.4623
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7553	0.0699	0.7553	0.0086	0.3082
drybean	0.9214	0.0225	0.9214	0.9049	0.1290
ecoli	0.8529	0.0368	0.8529	0.7934	0.0888
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3000	0.0875	0.3000	0.2061	0.4733
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.4672	0.5906
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8136	0.3324
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7710	0.4703
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6712	0.1315	0.6712	0.5688	0.3037
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8314	0.3848
fbis-wc	0.7398	0.0306	0.7398	0.7012	0.2040
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.8000	0.0500	0.8000	0.7394	0.1123
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.6052	0.0052	0.6052	0.5833	0.2847
forest	0.8846	0.0577	0.8846	0.8405	0.1609
gas	0.9648	0.0117	0.9648	0.9573	0.0794
gastrointestinal	0.9375	0.0417	0.9375	0.9018	0.1379
gender	0.5874	0.2751	0.5874	0.0105	0.4250
gene	0.9401	0.0400	0.9401	0.9037	0.1842
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.8095	0.0635	0.8095	0.7342	0.1559
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4384
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8948	0.0175	0.8948	0.8756	0.1098
har70	0.9055	0.0237	0.9072	0.8848	0.1159
harth10%	0.8563	0.0240	0.8563	0.8029	0.1525
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5761
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.2857	0.1786	0.2857	0.1250	0.3012
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5237	0.6374
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.6111	0.2593	0.6111	0.2951	0.6008
htru2	0.9782	0.0218	0.9782	0.8635	0.2376
ht-sensor	0.7542	0.1603	0.7613	0.6226	0.3753
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8498	0.0116	0.8498	0.8438	0.1237
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
fvowels	0.8956	0.0232	0.8956	0.8816	0.1591
kc1	0.8578	0.1422	0.8578	0.3073	0.6292
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2708	0.1688
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8581	0.0158	0.8581	0.8416	0.1707
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.6571	0.1143	0.6571	0.5452	0.3169
la2s-wc	0.7563	0.0813	0.7438	0.7027	0.3227
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6606	0.0593
led24	0.7000	0.0600	0.7000	0.6610	0.1254
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9165	0.0064	0.9165	0.9131	0.0948
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8505	0.0629
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5525	0.0814	0.5525	0.3891	0.3874
lrs	0.7925	0.0415	0.7925	0.7095	0.1357
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7647	0.0900
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.0486
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.6667	0.0741	0.6667	0.5263	0.1040
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7801	0.2199	0.7801	0.4492	0.5414

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6021	0.6610
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5465	0.5149
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0808
mfeat-fou	0.7600	0.0480	0.7600	0.7333	0.1980
mfeat-kar	0.9400	0.0120	0.9400	0.9333	0.0729
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1914
mfeat-pix	0.8950	0.0210	0.8950	0.8833	0.1279
mfeat-zer	0.7400	0.0520	0.7400	0.7111	0.2169
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4463	0.4670
mobile	0.8357	0.0059	0.8357	0.8327	0.0751
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8765	0.0309	0.8765	0.4270	0.3884
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.9097	0.0095	0.9097	0.7317	0.2138
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9301	0.0699	0.9301	0.8315	0.3852
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0270	0.7198
nursery	0.9985	0.0006	0.9985	0.9977	0.0050
obs	0.8981	0.0509	0.8981	0.8530	0.1194
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8713	0.0257	0.8713	0.8521	0.1154
oh10-wc	0.7238	0.0552	0.7238	0.6827	0.2350
oh15-wc	0.7717	0.0457	0.7717	0.7377	0.2047
oh5-wc	0.7033	0.0593	0.7033	0.6627	0.2322
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9270	0.0146	0.9270	0.9189	0.1041
optdigitsZ	0.9929	0.0071	0.9929	0.9545	0.0312
orl	0.6250	0.0187	0.6250	0.6154	0.0671
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9368	0.0632	0.9368	-0.0321	0.6277
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9726	0.0110	0.9726	0.8414	0.1979

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1211
pendigits	0.9691	0.0062	0.9691	0.9656	0.0487
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2553	0.8874
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.7926	0.2074	0.7926	0.5620	0.6148
phy	0.6276	0.3724	0.6276	0.2530	0.7837
pima	0.6711	0.3289	0.6711	0.2555	0.8254
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6616	0.0677	0.6616	0.3650	0.2860
polish-1st	0.9587	0.0413	0.9587	0.1088	0.4742
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9486	0.0514	0.9486	0.0855	0.4869
polish-4th	0.9531	0.0469	0.9531	0.4164	0.5105
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6318	0.2455	0.6318	0.0043	0.3197
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8730	0.0508	0.8730	0.8412	0.1831
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.4545	0.0496	0.4545	0.3857	0.2091
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9228	0.0309	0.9228	0.8959	0.1315
pufs-6410%	0.4995	0.5005	0.4995	-0.0010	0.9999
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.7267	0.0421	0.7267	0.6286	0.2849
re1-wc	0.7952	0.0164	0.7952	0.7650	0.1547
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9499	0.0383
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9981	0.0003	0.9981	0.9953	0.0036
satimage	0.8569	0.0477	0.8569	0.8233	0.2131
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.5263	0.5283
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8752	0.1370	0.8616	0.1302	0.6572
sensorless	0.9535	0.0085	0.9535	0.9489	0.0479
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9814	0.0186	0.9814	0.8276	0.0656
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9735	0.1164
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.7554	0.0815	0.7554	0.6877	0.2378
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0123
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5660	0.0181	0.5660	0.5409	0.1176
splice-EI	0.9748	0.0252	0.9748	0.9337	0.2013
splice-IE	0.9401	0.0599	0.9401	0.8333	0.3600
sport-articles	0.7800	0.2200	0.7800	0.5228	0.7157
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0641	0.4790
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8881	0.0746	0.8881	0.8187	0.2537
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.9026	0.0974	0.9026	0.2928	0.6660
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9692	0.0308	0.9692	0.8401	0.3898
studentap	0.5385	0.3077	0.5385	0.2778	0.5502
student-weekend	0.4308	0.2277	0.4308	0.1769	0.5783
student-workday	0.6406	0.1437	0.6406	0.0047	0.6156
susy10%	0.7565	0.2435	0.7565	0.5044	0.7312
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9823	0.0004	1.0000	1.0000	0.0046
swarm_grouped	1.0000	0.0000	0.9758	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5311
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9545	0.0083	0.9545	0.9499	0.0606
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.5000	0.1667	0.5000	0.2889	0.1364
tox_171	0.7059	0.1471	0.7059	0.6083	0.2529
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.8537	0.0325	0.8537	0.8164	0.1054
trec12-wc	0.8387	0.0403	0.8387	0.8067	0.1133

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.5471	0.3392
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9677	0.0092	0.9677	0.9574	0.0409
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.8986	0.0203	0.8986	0.8816	0.0685
tuandromd	0.9865	0.0135	0.9865	0.9586	0.1449
turkish	0.7750	0.1125	0.7750	0.7000	0.2775
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.8209	0.0398	0.8209	0.7889	0.1466
vehicle	0.8095	0.0952	0.8095	0.7363	0.2148
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.4848	0.0937	0.4848	0.4333	0.2847
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.7756	0.0224	0.7756	0.7465	0.1483
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9048	0.0190	0.9048	0.8937	0.0441
watch-acc10%	0.8903	0.0313	0.8903	0.8718	0.0671
watch-gyr10%	0.8875	0.0321	0.8875	0.8686	0.0760
waveform	0.6700	0.2200	0.6700	0.5064	0.5205
web-phishing	0.8741	0.0840	0.8741	0.7776	0.3767
weight-lift	0.7949	0.0820	0.7949	0.7355	0.2374
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0548
wilt	0.9896	0.0104	0.9896	0.8925	0.2660
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.5094	0.1635	0.5094	0.1845	0.4299
winequality-white	0.4642	0.1531	0.4642	0.0729	0.4605
winnipeg	0.9764	0.0061	0.9580	0.9802	0.0477
yale	0.6250	0.0500	0.6250	0.5966	0.0813
yeast	0.4189	0.1162	0.4189	0.2707	0.3484
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9011	0.0198	0.9011	0.8890	0.1417
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 135: Detailed results for sBoost-1(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1199	0.0607	0.1199	0.0440	0.4999
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.9822	0.0178	0.9822	0.2130	0.4039
ads	0.9543	0.0457	0.9543	0.7893	0.2554
adult	0.8612	0.1388	0.8612	0.5797	0.5743
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.9048	0.0952	0.9048	0.1095	0.5932
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	1.0000	0.0026	1.0000	0.4152	0.0127
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9569	0.0216	0.9569	0.9176	0.1267
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9388	0.0153	0.9388	0.8986	0.1644
anuran-species	0.9472	0.0106	0.9472	0.9270	0.1210
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6889	0.0479	0.6889	0.5043	0.2584
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.7013	0.0537
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8676	0.0699
avila	0.8107	0.0315	0.8107	0.7427	0.1244
balance	0.7903	0.1398	0.7903	0.6316	0.4369
bank	0.9107	0.0893	0.9107	0.5739	0.5964
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8995	0.1005	0.8995	0.7992	0.3713
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8190	0.1810	0.8190	0.6323	0.6097
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9965	0.0009	0.9782	0.3161	0.4517
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
block10%	0.9999	0.0001	0.9999	0.9928	0.0004
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9655	0.0172	0.9655	0.9269	0.0886
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8122	0.0376	0.8122	0.7741	0.2336
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7808	0.3320
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7206	0.3033
cas_N6512_cdk_ECFP2	0.5622	0.4378	0.5622	0.0557	0.5953
cdc_diabetes	0.8457	0.1029	0.8457	0.1967	0.3931
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	1.0000	0.0002	1.0000	0.8620	0.1185
ci100410h_MACCS	0.7188	0.2812	0.7188	0.1325	0.8517
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.4934	0.6985
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6389	0.6114
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5802	0.5823
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.6905	0.2063	0.6905	0.3865	0.5337
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7852	0.1074	0.7852	0.6658	0.4545
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5510	0.2993	0.5510	0.3057	0.7020
cnae-9	0.8981	0.0226	0.8981	0.8854	0.0859
codon_usage	0.7099	0.0527	0.7099	0.6471	0.3899
coil20	0.8819	0.0118	0.8819	0.8757	0.0731
collins	0.7000	0.0400	0.7000	0.6674	0.1590
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.5172	0.4828	0.5172	-0.0741	0.9822
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9837	0.0109	0.9837	0.4638	0.1224
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.6964	0.3036	0.6964	0.3732	0.8280
covtype	0.7329	0.0763	0.7329	0.5620	0.3195
covtypeCD	0.9771	0.0229	0.9771	0.9025	0.2320
covtypeT	0.9779	0.0221	0.9779	0.8287	0.3263
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8406	0.0531	0.8406	0.6317	0.2431
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1875	0.0406	0.1875	0.1647	0.1397
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8976	0.1024	0.8976	0.4375	0.6164
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5393	0.3071	0.5393	0.0071	0.3973
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0777	0.8885
dropout	0.7269	0.1821	0.7269	0.5276	0.4795
drug-01	0.4096	0.1687	0.4096	0.0538	0.5043
drug-02	0.4947	0.1444	0.4947	0.0323	0.5715
drug-03	0.6702	0.0942	0.6702	0.0012	0.4198
drug-04	0.5106	0.1398	0.5106	0.0742	0.7049
drug-05	0.7234	0.0790	0.7234	0.0130	0.3149
drug-06	0.3936	0.1733	0.3936	0.2340	0.6039
drug-07	0.3936	0.1733	0.3936	-0.0365	0.4693
drug-08	0.5000	0.1429	0.5000	0.0591	0.6215
drug-09	0.8404	0.0456	0.8404	0.0257	0.4496
drug-10	0.5000	0.1429	0.5000	0.0513	0.6648
drug-11	0.8191	0.0517	0.8191	0.0128	0.4810
drug-12	0.7447	0.0729	0.7447	-0.0327	0.6335
drug-13	0.5798	0.1201	0.5798	0.2249	0.6678
drug-14	0.5851	0.1185	0.5851	0.2077	0.6646
drug-15	0.7287	0.0775	0.7287	0.0609	0.6581
drug-16	0.5745	0.1216	0.5745	0.3165	0.4783
drug-17	0.3511	0.1854	0.3511	0.1375	0.6189
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7394	0.0745	0.7394	0.0057	0.4628
drybean	0.9155	0.0241	0.9155	0.8977	0.1294
ecoli	0.7647	0.0588	0.7647	0.6646	0.1682
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2514	0.0936	0.2514	0.1462	0.5971
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6712	0.1315	0.6712	0.5710	0.3650
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.6707	0.0387	0.6707	0.6314	0.3090
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3000	0.1750	0.3000	0.1139	0.3206
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5414	0.0060	0.5414	0.5203	0.6810
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9418	0.0194	0.9418	0.9294	0.1101
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5853	0.2765	0.5853	0.0144	0.4719
gene	0.9464	0.0358	0.9464	0.9142	0.1615
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.7925	0.2075	0.7925	0.5824	0.5909
glass	0.8571	0.0476	0.8571	0.8062	0.1657
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4140
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.8399	0.0267	0.8399	0.8100	0.1615
har70	0.8774	0.0240	0.9203	0.8988	0.1192
harth10%	0.7348	0.0428	0.7211	0.6270	0.1573
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.9000	0.1000	0.9000	0.8000	0.4259
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5761
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.2857	0.1786	0.2857	0.1667	0.3388
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8702	0.1298	0.8702	0.5275	0.6381
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.6389	0.2407	0.6389	0.3615	0.5853
htru2	0.9782	0.0218	0.9782	0.8635	0.2376
ht-sensor	0.7533	0.1623	0.7736	0.6273	0.3817
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.4840	0.0397	0.4840	0.4633	0.3104
jm1	0.8053	0.1947	0.8053	0.0372	0.5111
fvowels	0.8032	0.0437	0.8032	0.7773	0.2609
kc1	0.8531	0.1469	0.8531	0.2727	0.6396
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8784	0.0135	0.8784	0.8642	0.1477
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7320	0.0863	0.7483	0.6543	0.3724
la2s-wc	0.7453	0.0792	0.7471	0.6874	0.3223
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5882	0.0206	0.5882	0.5700	0.0814
led24	0.6500	0.0700	0.6500	0.6078	0.1440
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8960	0.0080	0.8960	0.8918	0.1173
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6667	0.0444	0.6667	0.6433	0.1372
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5032	0.0903	0.5032	0.3073	0.4709
lrs	0.6792	0.0642	0.6792	0.5798	0.2149
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6800	0.1395
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7801	0.2199	0.7801	0.4492	0.5414

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6021	0.6610
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6522	0.4173
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9050	0.0190	0.9050	0.8944	0.1086
mfeat-fou	0.6350	0.0730	0.6350	0.5944	0.2952
mfeat-kar	0.6400	0.0720	0.6400	0.6000	0.3218
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.2081
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0766
mfeat-zer	0.6150	0.0770	0.6150	0.5722	0.3485
mice-prot	0.8148	0.0463	0.8148	0.7877	0.1991
mines	0.5294	0.1882	0.5294	0.4106	0.4810
mobile	0.6294	0.0132	0.6294	0.6226	0.1688
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9913
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.5902	0.4098	0.5902	0.0461	0.5639
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8765	0.0309	0.8765	0.4510	0.3000
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2624
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.9115	0.0093	0.9115	0.7454	0.4385
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9298	0.0702	0.9298	0.8310	0.3864
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0113	0.7814
nursery	0.9985	0.0006	0.9985	0.9977	0.0050
obs	0.8889	0.0556	0.8889	0.8401	0.1235
occupancy	0.9927	0.0073	0.9927	0.9796	0.0886
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9010	0.0198	0.9010	0.8869	0.0949
oh10-wc	0.6571	0.0686	0.6571	0.6050	0.2880
oh15-wc	0.7065	0.0587	0.7065	0.6704	0.2483
oh5-wc	0.7582	0.0484	0.7582	0.7273	0.2146
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9164	0.0167	0.9164	0.9070	0.1117
optdigitsZ	0.9929	0.0071	0.9929	0.9545	0.0312
orl	0.7000	0.0150	0.7000	0.6923	0.0535
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9368	0.0632	0.9368	-0.0321	0.6277
ozone8hr	0.9091	0.0909	0.9091	0.1085	0.6531
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9671	0.0132	0.9671	0.8081	0.3394

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8696	0.1304	0.8696	0.6770	0.5630
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8026	0.1974	0.8026	0.3750	0.6662
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9745	0.0051	0.9745	0.9717	0.0442
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.7907	0.2093	0.7907	0.5588	0.6160
phy	0.6276	0.3724	0.6276	0.2530	0.7837
pima	0.6842	0.3158	0.6842	0.2897	0.8130
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6681	0.0664	0.6681	0.3839	0.4985
polish-1st	0.9573	0.0427	0.9573	0.1035	0.5120
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9486	0.0514	0.9486	0.0855	0.4869
polish-4th	0.9520	0.0480	0.9520	0.4104	0.5237
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6308	0.2462	0.6308	0.0033	0.3465
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8201	0.0720	0.8201	0.7746	0.2199
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3939	0.0551	0.3939	0.3327	0.2594
profb	0.6567	0.3433	0.6567	0.0575	0.8405
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9323	0.0271	0.9323	0.9084	0.1141
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.6733	0.0503	0.6733	0.5489	0.3978
re1-wc	0.7651	0.0188	0.7651	0.7332	0.2134
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9375	0.0250	0.9375	0.9181	0.0978
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9917	0.0003	0.9966	1.0000	0.0032
satimage	0.8507	0.0498	0.8507	0.8152	0.2283
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.8974	0.1026	0.8974	0.0650	0.4508
scadi	0.7143	0.0816	0.7143	0.6410	0.0842
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9610	0.0111	0.9610	0.9544	0.0450
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8778	0.1417	0.8462	0.1339	0.6309
sensorless	0.9703	0.0054	0.9703	0.9673	0.0401
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8816	0.1184	0.8816	0.4367	0.5536
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9814	0.0186	0.9814	0.8276	0.0656
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9911	0.0089	0.9911	0.9735	0.1164
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7554	0.0815	0.7554	0.6868	0.2394
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9265	0.0077	0.9265	0.9192	0.0408
spambase	0.9022	0.0978	0.9022	0.7909	0.4000
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4340	0.0236	0.4340	0.4000	0.1495
splice-EI	0.9779	0.0221	0.9779	0.9417	0.1787
splice-IE	0.9558	0.0442	0.9558	0.8800	0.3080
sport-articles	0.7800	0.2200	0.7800	0.5228	0.7157
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.0535	0.5552
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8884	0.0744	0.8884	0.8194	0.2579
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.6769	0.3231	0.6769	0.1242	0.6704
steel-p	0.9026	0.0974	0.9026	0.2928	0.6660
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9692	0.0308	0.9692	0.8401	0.3898
studentap	0.6154	0.2564	0.6154	0.3981	0.5416
student-weekend	0.3231	0.2708	0.3231	0.0229	0.7198
student-workday	0.7031	0.1187	0.7031	0.1778	0.4237
susy10%	0.7565	0.2435	0.7565	0.5044	0.7312
swarm_aligned	0.9893	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9945	0.0004	1.0000	1.0000	0.0046
swarm_grouped	1.0000	0.0000	1.0000	0.9887	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5129
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9436	0.0102	0.9436	0.9379	0.0748
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9368	0.0632	0.9368	0.8564	0.3161
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0316	0.8894
trec11-wc	0.8780	0.0271	0.8780	0.8520	0.1257
trec12-wc	0.9032	0.0242	0.9032	0.8832	0.0733

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6508	0.2900
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9570	0.0244
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9565	0.0087	0.9565	0.9493	0.0295
tuandromd	0.9865	0.0135	0.9865	0.9586	0.1449
turkish	0.7750	0.1125	0.7750	0.7000	0.2863
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.7313	0.0597	0.7313	0.6859	0.2597
vehicle	0.8095	0.0952	0.8095	0.7373	0.2109
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.2500	0.8750
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.4242	0.1047	0.4242	0.3667	0.3194
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.3370	0.0678	0.3252	0.1690	0.2822
warpar10p	0.6154	0.0769	0.6154	0.5724	0.1323
warppie10p	0.9048	0.0190	0.9048	0.8939	0.0371
watch-acc10%	0.9165	0.0239	0.9165	0.9023	0.0808
watch-gyr10%	0.9069	0.0266	0.9069	0.8912	0.0743
waveform	0.6640	0.2240	0.6640	0.4968	0.5233
web-phishing	0.8963	0.0691	0.8963	0.8192	0.3304
weight-lift	0.6163	0.1535	0.6163	0.5169	0.3630
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4717	0.1761	0.4717	0.1742	0.5031
winequality-white	0.4397	0.1601	0.4397	0.0366	0.5650
winnipeg	0.9709	0.0064	0.9768	0.9813	0.0478
yale	0.4375	0.0750	0.4375	0.4000	0.1391
yeast	0.5203	0.0959	0.5203	0.3869	0.4401
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9392	0.0608	0.9392	0.2761	0.6261
zip	0.6935	0.0613	0.6935	0.6497	0.2694
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 136: Detailed results for SPE(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1079	0.0615	0.1079	0.0570	0.6632
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.7397	0.2603	0.7397	0.1629	0.3984
accelerometer	0.9809	0.0191	0.9809	0.3865	0.5362
ads	0.9756	0.0244	0.9756	0.8989	0.2473
adult	0.8278	0.1722	0.8278	0.5603	0.6606
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.6944	0.3056	0.6944	-0.1786	0.7728
AID_1431	0.4127	0.5873	0.4127	-0.0150	0.4071
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.5243	0.4757	0.5243	0.0403	0.3130
AID_1878	0.5524	0.4476	0.5524	0.0993	0.6835
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.6954	0.3046	0.6954	0.0006	0.0302
AID600_MACCS	0.5946	0.4054	0.5946	0.1679	0.9306
AID_602330	0.4948	0.5052	0.4948	-0.0009	0.2429
AID604	1.0000	0.0035	1.0000	0.0000	0.0161
AID604AID644_AllRed	0.8297	0.1703	0.8297	0.0077	0.0166
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.2929	0.4714	0.2929	-0.0123	0.3675
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9952	0.0048	0.9952	-0.0023	0.5448
AID688red	0.4104	0.5896	0.4104	0.0003	0.0574
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9918	0.0082	0.9918	0.1054	0.5418
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9722	0.0139	0.9722	0.9467	0.0713
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9736	0.0066	0.9736	0.9565	0.1008
anuran-species	0.9708	0.0058	0.9708	0.9594	0.0492
aps-failure	0.9922	0.0078	0.9922	0.7987	0.4089
arcene	0.7500	0.2500	0.7500	0.4681	0.7547
arrhythmia	0.7333	0.0410	0.7333	0.6129	0.2018
auction	1.0000	0.0000	1.0000	1.0000	0.0000
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	1.0000	0.0000	1.0000	1.0000	0.0000
avila	0.9933	0.0011	0.9933	0.9913	0.0258
balance	0.7419	0.1720	0.7419	0.5717	0.4243
bank	0.8973	0.1027	0.8973	0.5774	0.5997
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8894	0.1106	0.8894	0.7618	0.4811
basehock	0.9548	0.0452	0.9548	0.9096	0.2432
bio	0.9998	0.0030	0.9901	0.7991	0.1168
biodeg	0.8952	0.1048	0.8952	0.7831	0.4500
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0000	1.0000	1.1495	0.3346
block10%	1.0000	0.0000	1.0000	0.9850	0.0003
block10%	1.0000	0.0000	1.0000	0.9850	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.4286	0.6753
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.7000	0.0857	0.7000	0.5946	0.1601
bub10at310k-hg16-17	0.9152	0.0887	0.9203	0.0336	0.2363
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8551	0.1449	0.8551	0.7054	0.5520
cardiotocography	0.8498	0.0300	0.8498	0.8205	0.1862
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8066	0.2379
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7765	0.2685
cas_N6512_cdk_ECFP2	0.7573	0.2427	0.7573	0.5102	0.7392
cdc_diabetes	0.8694	0.1018	0.8370	0.1527	0.2881
census10%	0.9583	0.0472	0.9771	0.4272	0.3794
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.7907	0.2093	0.7907	0.0140	0.4983
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9186	0.0814	0.9186	0.4890	0.5993
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	1.0000	0.0002	0.9924	0.8699	0.0683
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2871	0.7837
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3348	0.8144
cirrhosis	0.5714	0.2857	0.5714	0.2935	0.6116
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7509	0.1245	0.7509	0.6340	0.4840
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8000	0.2000	0.8000	0.2754	0.6284
cmc	0.4898	0.3401	0.4898	0.2184	0.7405
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0609
codon_usage	0.8918	0.0197	0.8918	0.8693	0.1856
coil20	0.9792	0.0021	0.9792	0.9781	0.0147
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.4171	0.7845
colposcopies-2	0.6897	0.3103	0.6897	0.3290	0.8459
colposcopies-3	0.6897	0.3103	0.6897	0.3524	0.8399
colposcopies-4	0.6897	0.3103	0.6897	0.2521	0.8468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.4558	0.5271
colposcopies-6	0.6552	0.3448	0.6552	0.3095	0.8747
colposcopies-c	0.5862	0.4138	0.5862	0.1869	0.7487
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8710	0.0860	0.8710	0.7930	0.2249
connect-4	0.9920	0.0053	0.9920	0.8095	0.2443
cottonmeloidogyne	0.7308	0.2692	0.7308	0.4608	0.7676
coupon	0.7484	0.2516	0.7484	0.4949	0.7458
covtype	0.9784	0.0114	0.9809	0.9598	0.1098
covtypeCD	0.9851	0.0149	0.9851	0.9370	0.1801
covtypeT	0.9881	0.0119	0.9881	0.9084	0.2253
cox2_cdk_ECFP2	0.7391	0.2609	0.7391	0.3381	0.7293
crowdsourced	0.9318	0.0227	0.9318	0.8630	0.2975
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3246	0.1086
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.8519	0.1481	0.8519	0.7037	0.5346
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.6877	0.3123	0.6877	0.3021	0.7346
deposit	0.8764	0.1236	0.8764	0.5359	0.6105
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2558	0.5025
dexter	0.8500	0.1500	0.8500	0.7000	0.5590
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5845	0.6693
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5878	0.2738	0.5787	0.1571	0.5419
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.5833	0.4167	0.5833	0.1429	0.9438
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5700	0.4451	0.5539	0.1133	0.9637
dropout	0.7314	0.1791	0.7314	0.5792	0.4888
drug-01	0.1755	0.2356	0.1755	0.0400	0.7829
drug-02	0.3883	0.1748	0.3883	0.2093	0.7389
drug-03	0.2926	0.2021	0.2926	0.1035	0.6282
drug-04	0.2713	0.2082	0.2713	0.1172	0.7671
drug-05	0.1223	0.2508	0.1223	0.0069	0.5973
drug-06	0.3191	0.1945	0.3191	0.1889	0.6881
drug-07	0.1383	0.2462	0.1383	-0.0012	0.7030
drug-08	0.2979	0.2006	0.2979	0.1319	0.7333
drug-09	0.3723	0.1793	0.3723	0.0817	0.4564
drug-10	0.3138	0.1960	0.3138	0.1367	0.7521
drug-11	0.4362	0.1611	0.4362	0.1111	0.5880
drug-12	0.3032	0.1991	0.3032	0.1156	0.5710
drug-13	0.3883	0.1748	0.3883	0.1796	0.8054
drug-14	0.4468	0.1581	0.4468	0.2534	0.7329
drug-15	0.3298	0.1915	0.3298	0.0820	0.6868
drug-16	0.4043	0.1702	0.4043	0.2280	0.7568
drug-17	0.2500	0.2143	0.2500	0.1083	0.7695
drug-18	0.9362	0.0255	0.9362	-0.0067	0.0919
drug-19	0.3245	0.1930	0.3245	0.0806	0.6647
drybean	0.9089	0.0260	0.9089	0.8898	0.1463
ecoli	0.8824	0.0294	0.8824	0.8369	0.0987
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5231	0.0596	0.5231	0.4730	0.5736
eeg-eye	0.9146	0.0854	0.9146	0.8273	0.3906
EPA_FHM	0.9344	0.0656	0.9344	0.4649	0.6023
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6337	0.6196
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.4602	0.5000
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.8138	0.4205
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.5463	0.5751
eucalyptus	0.6301	0.1479	0.6301	0.5282	0.4003
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	0.9972	0.0216	0.9851	0.9783	0.1410
fbis-wc	0.8374	0.0191	0.8374	0.8163	0.1549
fda.atompair_fp	0.4091	0.5909	0.4091	-0.2883	0.9209
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.6500	0.0875	0.6500	0.5706	0.1510
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5415	0.0061	0.5237	0.5174	0.5449
forest	0.8846	0.0577	0.8846	0.8408	0.1597
gas	0.9871	0.0043	0.9871	0.9843	0.0299
gastrointestinal	0.5625	0.2917	0.5625	0.3526	0.4983
gender	0.4126	0.3916	0.4126	0.1151	0.7091
gene	0.9180	0.0547	0.9180	0.8668	0.2323
german	0.6100	0.3900	0.6100	0.1595	0.9166
gina	0.9395	0.0605	0.9395	0.8790	0.3048
glass	0.6190	0.1270	0.6190	0.4815	0.3948
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8333	0.1667	0.8333	0.6543	0.6006
green	0.7000	0.3000	0.7000	0.4444	0.5283
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.7000	0.3000	0.7000	0.3147	0.8012
hapt	0.9387	0.0102	0.9387	0.9276	0.0757
har70	0.9089	0.0235	0.9373	0.8915	0.1186
harth10%	0.8280	0.0251	0.8476	0.7806	0.2090
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.4706	0.5294	0.4706	-0.0699	1.0000
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8203	0.1969	0.8200	0.6030	0.5896
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.5481	0.4541	0.5500	0.0530	0.5806
higher	0.3571	0.1607	0.3571	0.2759	0.2868
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8853	0.1147	0.8853	0.6293	0.5923
hiva	0.9456	0.0544	0.9456	0.0531	0.6308
horse	0.6389	0.2407	0.6389	0.4251	0.6079
htru2	0.9737	0.0263	0.9737	0.8409	0.3169
ht-sensor	0.9830	0.0002	0.9953	1.0000	0.0015
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6271	0.3729	0.6271	0.2265	0.8246
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8639	0.0105	0.8639	0.8585	0.1133
jm1	0.6492	0.3508	0.6492	0.2499	0.6835
fvowels	0.9317	0.0152	0.9317	0.9226	0.1064
kc1	0.7773	0.2227	0.7773	0.3549	0.6925
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2462	0.1021
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7308	0.2692	0.7308	0.2877	0.7839
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8998	0.0111	0.8998	0.8881	0.1335
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.8127	0.0624	0.8127	0.7633	0.2953
la2s-wc	0.8411	0.0530	0.8411	0.7987	0.2480
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6609	0.0596
led24	0.5500	0.0900	0.5500	0.4972	0.1944
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9300	0.0054	0.9300	0.9272	0.0805
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7012	0.1151
linkage10%	1.0000	0.0001	0.9808	1.0000	0.0213
liver	0.6471	0.3529	0.6471	0.2635	0.8463
localization	0.7126	0.0502	0.7335	0.6307	0.3457
lrs	0.8113	0.0377	0.8113	0.7389	0.1613
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.8190	0.1639
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0610
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.8269	0.1731	0.8269	0.6538	0.6077
magic04	0.8701	0.1299	0.8701	0.7151	0.5340

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4819	0.7510
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7298	0.3865
messidor	0.6087	0.3913	0.6087	0.2057	0.9213
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0659
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1557
mfeat-kar	0.9000	0.0200	0.9000	0.8889	0.1131
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2057
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0943
mfeat-zer	0.7000	0.0600	0.7000	0.6667	0.2286
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4457	0.4228
mobile	0.8392	0.0057	0.8392	0.8362	0.0734
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9833	0.0167	0.9833	0.9338	0.0996
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.8691
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.5260
mutagen_class_3	0.4783	0.5217	0.4783	-0.0299	0.7527
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7238
MUT_ci034254q_MACCS	0.6066	0.3934	0.6066	0.2121	0.9202
MUT_ci300400a	0.8321	0.1679	0.8321	0.6556	0.6046
MUT_ci300400a_cdk_ECFP2	0.8094	0.1906	0.8094	0.6056	0.6516
myocardial	0.5706	0.1074	0.5706	0.2178	0.5284
naticusdroid	0.9693	0.0307	0.9693	0.9386	0.1848
nci9	0.5000	0.1111	0.5000	0.4194	0.0833
ncRNA10%	0.8984	0.0093	0.8994	0.7598	0.4324
newspop	0.6292	0.3708	0.6292	0.2531	0.9022
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9678	0.0322	0.9678	0.9209	0.2153
NPHA-doctor-visits	0.3194	0.4537	0.3194	-0.0289	0.8087
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9767	0.0855
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9850	0.0271
oh0-wc	0.8515	0.0297	0.8515	0.8295	0.1322
oh10-wc	0.7048	0.0590	0.7048	0.6676	0.2371
oh15-wc	0.7935	0.0413	0.7935	0.7639	0.1914
oh5-wc	0.7033	0.0593	0.7033	0.6629	0.2344
opn310k	0.9278	0.0767	0.9104	0.4447	0.5553
opnat310k-hg16-17	0.8962	0.0893	0.9261	0.0383	0.2437
optdigits	0.9520	0.0096	0.9520	0.9466	0.0599
optdigitsZ	0.9929	0.0071	0.9929	0.9561	0.1305
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8854	0.1146	0.8854	0.3453	0.4298
ozone8hr	0.8498	0.1502	0.8498	0.2942	0.6041
p53-mutants10%	0.9873	0.0127	0.9873	-0.0048	0.3262
page-blocks	0.9781	0.0088	0.9781	0.8838	0.2176

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9286	0.0767	0.9326	0.8146	0.4074
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.8649	0.1351	0.8649	0.3817	0.5755
pcmac	0.4381	0.5619	0.4381	-0.1180	1.0000
pd	0.8553	0.1447	0.8553	0.5926	0.6007
pediatric-leukemia	0.6176	0.1092	0.6176	0.5263	0.3149
pendigits	0.9836	0.0033	0.9836	0.9818	0.0288
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	0.0000	0.8722
P-Glycoprotein_b_Inhibitor	0.7990	0.2010	0.7990	0.5472	0.6903
P-Glycoprotein_b_Substrate	0.7600	0.2400	0.7600	0.5200	0.7145
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7137	0.5439
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7059	0.4011
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.9074	0.0926	0.9074	0.7720	0.4552
phy	0.6824	0.3176	0.6824	0.3648	0.8431
pima	0.7105	0.2895	0.7105	0.4011	0.8108
plx	0.6111	0.3889	0.6111	0.2588	0.7379
poker	0.7963	0.0445	0.7692	0.6016	0.1743
polish-1st	0.9331	0.0669	0.9331	0.4972	0.5217
polish-2nd	0.8840	0.1160	0.8840	0.2862	0.4803
polish-3rd	0.8400	0.1600	0.8400	0.2239	0.4696
polish-4th	0.8755	0.1245	0.8755	0.3686	0.5140
polish-5th	0.9357	0.0643	0.9357	0.5700	0.5822
polya	0.7568	0.2432	0.7568	0.4513	0.7526
popularity	0.4207	0.3862	0.4207	0.1246	0.6386
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9858	0.0042	0.9955	0.9783	0.0312
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8956
primary-tumor	0.4242	0.0523	0.4242	0.3667	0.2100
profb	0.6418	0.3582	0.6418	0.2408	0.8663
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9799	0.0032	0.9806	0.9991	0.0255
pufs-6410%	0.5001	0.5075	0.5100	0.0011	0.9856
raisin	0.8778	0.1222	0.8778	0.7556	0.4920
re0-wc	0.8000	0.0308	0.8000	0.7456	0.2895
re1-wc	0.8434	0.0125	0.8434	0.8231	0.1581
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6517	0.3483	0.6517	0.2852	0.8788
RT_IOT2022	1.0000	0.0007	1.0000	1.0000	0.0056
satimage	0.8880	0.0373	0.8880	0.8618	0.1747
satimageF	0.9860	0.0140	0.9860	0.9283	0.1993
satimageT	0.9409	0.0591	0.9409	0.6293	0.4397
scadi	0.5714	0.1224	0.5714	0.4474	0.1622
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5000	0.5000	0.5000	0.0000	0.9994
secom	0.6538	0.3462	0.6538	0.1084	0.3893
secondary_mushroom	0.9993	0.0007	0.9993	0.9987	0.0072
segment	0.9567	0.0124	0.9567	0.9494	0.0512
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.7364	0.2636	0.7364	0.1719	0.4496
semeion	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram	0.6000	0.4000	0.6000	0.1025	0.5999
sens-2-gram	0.6289	0.3711	0.6289	0.1921	0.5609
sens-3-gram	0.6263	0.3737	0.6263	0.1829	0.5665
sens-4-gram	0.6211	0.3789	0.6211	0.0946	0.6229
sensorless	0.9897	0.0019	0.9897	0.9887	0.0188
sepsis	0.8985	0.0904	0.9011	0.0000	0.2084
shoppers	0.8767	0.1233	0.8767	0.5714	0.6251
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9841	0.0159	0.9841	0.8715	0.2771
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0004	1.0000	0.9838	0.0104
smk_can_187	0.5263	0.4737	0.5263	0.0757	0.9099
solar-flare	0.7554	0.0815	0.7554	0.6905	0.2227
sonar	0.7500	0.2500	0.7500	0.5000	0.6793
soybean	0.9853	0.0015	0.9853	0.9839	0.0114
spambase	0.9348	0.0652	0.9348	0.8631	0.3261
spect	0.7778	0.2222	0.7778	0.3571	0.7720
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5849	0.0173	0.5849	0.5635	0.1037
splice-EI	0.9401	0.0599	0.9401	0.8418	0.3578
splice-IE	0.9054	0.0946	0.9054	0.7331	0.4794
sport-articles	0.7900	0.2100	0.7900	0.5520	0.6977
squash-stored	0.8000	0.1333	0.8000	0.7059	0.1585
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8564	0.1436	0.8564	0.6096	0.6158
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9170	0.0554	0.9170	0.8649	0.2037
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8000	0.2000	0.8000	0.5728	0.6762
steel-p	0.9282	0.0718	0.9282	0.4946	0.5864
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.3846	0.4103	0.3846	0.0714	0.7496
student-weekend	0.3077	0.2769	0.3077	0.1356	0.7147
student-workday	0.4219	0.2313	0.4219	0.1246	0.7049
susy10%	0.7731	0.2351	0.7827	0.5325	0.7239
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.7500	0.2500	0.7500	0.3622	0.7597
texture	0.9636	0.0066	0.9636	0.9599	0.0487
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.6170	0.3830	0.6170	0.1151	0.6565
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9063	0.0913	0.9117	0.7299	0.4158
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.3684	0.1720
tox_171	0.8824	0.0588	0.8824	0.8440	0.0951
toxicity	0.4706	0.5294	0.4706	-0.1168	0.9859
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5467	0.4533	0.5467	-0.0119	0.8551
trec11-wc	0.8049	0.0434	0.8049	0.7680	0.1844
trec12-wc	0.8387	0.0403	0.8387	0.8072	0.1362

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7818	0.2320
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9462	0.0154	0.9462	0.9289	0.0928
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0762
trec45-wc	0.9130	0.0174	0.9130	0.8990	0.0746
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8000	0.1000	0.8000	0.7333	0.2854
tvnews	0.9582	0.0536	0.9622	0.8889	0.2736
urban	0.8507	0.0332	0.8507	0.8258	0.1520
vehicle	0.7619	0.1190	0.7619	0.6788	0.2835
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8140	0.1860	0.8140	0.6293	0.5994
vowel	0.4545	0.0992	0.4545	0.4000	0.3019
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.8963	0.0923	0.9286	0.0011	0.2447
wap-wc	0.7628	0.0237	0.7628	0.7356	0.1818
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0390
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	1.0000	0.0002	0.9981	1.0000	0.0023
watch-gyr10%	0.9972	0.0002	1.0000	1.0000	0.0022
waveform	0.8220	0.1187	0.8220	0.7330	0.3955
web-phishing	0.8444	0.1037	0.8444	0.7253	0.4207
weight-lift	0.9975	0.0010	0.9975	0.9968	0.0088
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.5094	0.1635	0.5094	0.3280	0.6855
winequality-white	0.5031	0.1420	0.5031	0.3570	0.6831
winnipeg	0.9824	0.0063	0.9910	0.9832	0.0483
yale	0.6875	0.0417	0.6875	0.6653	0.0746
yeast	0.5541	0.0892	0.5541	0.4461	0.4214
yeastCYT-POX	0.9184	0.0816	0.9184	0.4674	0.5000
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9290	0.0142	0.9290	0.9205	0.1160
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 137: Detailed results for SPE(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1127	0.0612	0.1127	0.0518	0.6632
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.7534	0.2466	0.7534	0.1746	0.4092
accelerometer	0.9816	0.0184	0.9816	0.3949	0.5257
ads	0.9726	0.0274	0.9726	0.8872	0.2774
adult	0.8278	0.1722	0.8278	0.5593	0.6616
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7222	0.2778	0.7222	-0.1613	0.7929
AID_1431	0.4603	0.5397	0.4603	0.0230	0.4063
AID1608Morered	0.8835	0.1165	0.8835	0.0804	0.6801
AID1608red	0.5728	0.4272	0.5728	0.0195	0.3444
AID_1878	0.5524	0.4476	0.5524	0.0767	0.7001
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.6713	0.3287	0.6713	0.0001	0.0290
AID600_MACCS	0.5676	0.4324	0.5676	0.1217	0.9455
AID_602330	0.5104	0.4896	0.5104	0.0208	0.2387
AID604	0.9907	0.0036	0.9981	0.0000	0.0159
AID604AID644_AllRed	0.8210	0.1790	0.8210	0.0054	0.0156
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.7980	0.1347	0.7980	0.0808	0.6164
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9958	0.0042	0.9958	-0.0017	0.5306
AID688red	0.4171	0.5829	0.4171	0.0029	0.0556
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9921	0.0079	0.9921	0.1098	0.5309
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9708	0.0146	0.9708	0.9443	0.1476
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9736	0.0066	0.9736	0.9565	0.1074
anuran-species	0.9861	0.0028	0.9861	0.9807	0.0444
aps-failure	0.9925	0.0075	0.9925	0.8056	0.4036
arcene	0.7000	0.3000	0.7000	0.3182	0.7426
arrhythmia	0.7556	0.0376	0.7556	0.6472	0.1699
auction	1.0000	0.0000	1.0000	1.0000	0.0000
audiology	0.9130	0.0072	0.9130	0.9004	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9962	0.0006	0.9962	0.9950	0.0117
balance	0.7581	0.1613	0.7581	0.5984	0.3843
bank	0.8980	0.1020	0.8980	0.5807	0.5979
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8733	0.1267	0.8733	0.7244	0.5213
basehock	0.9497	0.0503	0.9497	0.8995	0.2604
bio	0.9945	0.0030	1.0000	0.8158	0.1177
biodeg	0.8857	0.1143	0.8857	0.7623	0.4811
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	0.9907	0.0000	1.0000	0.1539	0.3253
block10%	1.0000	0.0000	1.0000	0.9972	0.0003
block10%	1.0000	0.0000	1.0000	0.9972	0.0003
breast-cancer	0.6071	0.3929	0.6071	0.2376	0.7748
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9323	0.0897	0.8958	0.0331	0.2316
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8406	0.1594	0.8406	0.6744	0.5874
cardiotocography	0.8732	0.0254	0.8732	0.8483	0.1555
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8426	0.1931
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6503	0.4482
cas_N6512_cdk_ECFP2	0.7604	0.2396	0.7604	0.5168	0.7347
cdc_diabetes	0.8407	0.0996	0.8484	0.1563	0.2905
census10%	0.9460	0.0464	0.9408	0.4203	0.3678
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.8023	0.1977	0.8023	0.0214	0.5120
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.8837	0.1163	0.8837	0.7603	0.4689
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	1.0000	0.0002	1.0000	0.8685	0.0694
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.6421	0.3579	0.6421	0.3003	0.8248
cirrhosis	0.7619	0.1587	0.7619	0.5344	0.5357
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7796	0.1102	0.7796	0.6739	0.4754
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.7800	0.2200	0.7800	0.2466	0.6153
cmc	0.5442	0.3039	0.5442	0.2973	0.7011
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0418
codon_usage	0.9325	0.0123	0.9325	0.9183	0.2003
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.3029	0.8275
colposcopies-2	0.7241	0.2759	0.7241	0.3696	0.7628
colposcopies-3	0.6897	0.3103	0.6897	0.3524	0.8399
colposcopies-4	0.6207	0.3793	0.6207	0.1493	0.8677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.2658	0.7266
colposcopies-6	0.6897	0.3103	0.6897	0.3771	0.8327
colposcopies-c	0.6207	0.3793	0.6207	0.2276	0.7514
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9987	0.0009	0.9987	0.9697	0.0032
cottonmeloidogyne	0.7452	0.2548	0.7452	0.4897	0.7468
coupon	0.7390	0.2610	0.7390	0.4770	0.7574
covtype	0.9816	0.0113	0.9684	0.9320	0.1068
covtypeCD	0.9851	0.0149	0.9851	0.9370	0.1801
covtypeT	0.9888	0.0112	0.9888	0.9139	0.2085
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.4480	0.7093
crowdsourced	0.9336	0.0221	0.9336	0.8642	0.3100
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5000	0.0250	0.5000	0.4844	0.0822
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8704	0.1296	0.8704	0.7422	0.4656
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.6833	0.3167	0.6833	0.2957	0.7352
deposit	0.8748	0.1252	0.8748	0.5286	0.6145
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.8500	0.1500	0.8500	0.7000	0.5590
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5845	0.6693
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5667	0.2818	0.5696	0.1584	0.5343
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5486	0.4494	0.5674	0.1095	0.9612
dropout	0.7065	0.1956	0.7065	0.5366	0.5187
drug-01	0.2074	0.2264	0.2074	0.0429	0.8244
drug-02	0.3617	0.1824	0.3617	0.1595	0.8151
drug-03	0.5319	0.1337	0.5319	0.1085	0.7673
drug-04	0.3298	0.1915	0.3298	0.1195	0.8241
drug-05	0.5372	0.1322	0.5372	0.0223	0.8466
drug-06	0.3032	0.1991	0.3032	0.1714	0.6963
drug-07	0.2394	0.2173	0.2394	0.0230	0.7902
drug-08	0.4043	0.1702	0.4043	0.1801	0.7960
drug-09	0.7606	0.0684	0.7606	0.1289	0.6219
drug-10	0.4149	0.1672	0.4149	0.1633	0.7746
drug-11	0.7128	0.0821	0.7128	0.1240	0.7905
drug-12	0.6170	0.1094	0.6170	0.0715	0.7302
drug-13	0.4468	0.1581	0.4468	0.1794	0.8340
drug-14	0.4734	0.1505	0.4734	0.2244	0.7985
drug-15	0.5904	0.1170	0.5904	0.0888	0.7462
drug-16	0.5053	0.1413	0.5053	0.2929	0.6681
drug-17	0.2287	0.2204	0.2287	0.0865	0.8283
drug-18	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19	0.5745	0.1216	0.5745	0.0502	0.7837
drybean	0.9221	0.0223	0.9221	0.9058	0.1239
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5634	0.0546	0.5634	0.5191	0.5612
eeg-eye	0.9079	0.0921	0.9079	0.8136	0.4100
EPA_FHM	0.9344	0.0656	0.9344	0.4649	0.6023
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6337	0.6196
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.5704	0.5288
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.8138	0.4205
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4491	0.7653
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.4609	0.5000
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	0.4061	0.5795
eucalyptus	0.6575	0.1370	0.6575	0.5642	0.3621
euthyroid	0.9620	0.0380	0.9620	0.7723	0.3520
exon.vs.intron-freq	0.9902	0.0218	0.9855	0.9481	0.1394
fbis-wc	0.8699	0.0153	0.8699	0.8536	0.1514
fda.atompair_fp	0.3636	0.6364	0.3636	-0.3276	0.9107
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.6500	0.0875	0.6500	0.5796	0.1287
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5390	0.0060	0.5337	0.5027	0.5571
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9957	0.0014	0.9957	0.9948	0.0106
gastrointestinal	0.8125	0.1250	0.8125	0.7055	0.2670
gender	0.5032	0.3312	0.5032	0.1366	0.7501
gene	0.9338	0.0442	0.9338	0.8943	0.2086
german	0.6400	0.3600	0.6400	0.2291	0.8882
gina	0.9366	0.0634	0.9366	0.8732	0.3144
glass	0.7619	0.0794	0.7619	0.6893	0.2663
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8333	0.1667	0.8333	0.6543	0.6006
green	0.7000	0.3000	0.7000	0.4444	0.5283
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.6667	0.3333	0.6667	0.2647	0.8104
hapt	0.9671	0.0055	0.9671	0.9611	0.0370
har70	0.9292	0.0232	0.9359	0.8827	0.1183
harth10%	0.8550	0.0256	0.8402	0.7960	0.2043
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7993	0.1997	0.7961	0.6047	0.5914
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2708	0.8198
higgs10%	0.5620	0.4396	0.5623	0.0533	0.5821
higher	0.2143	0.1964	0.2143	0.1047	0.3416
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8954	0.1046	0.8954	0.6545	0.5714
hiva	0.9433	0.0567	0.9433	0.0484	0.6305
horse	0.6944	0.2037	0.6944	0.4748	0.5335
htru2	0.9749	0.0251	0.9749	0.8477	0.3076
ht-sensor	1.0000	0.0002	1.0000	1.0000	0.0016
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.5932	0.4068	0.5932	0.1302	0.8723
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9255	0.0057	0.9255	0.9226	0.0687
jm1	0.6602	0.3398	0.6602	0.2537	0.6961
fvowels	0.9869	0.0029	0.9869	0.9852	0.0256
kc1	0.7488	0.2512	0.7488	0.3236	0.6778
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2847	0.1731
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.3574	0.7500
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9209	0.0088	0.9209	0.9117	0.1165
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.9175	0.0275	0.9175	0.8962	0.1634
la2s-wc	0.8940	0.0353	0.8940	0.8672	0.2089
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6917	0.0618
led24	0.6000	0.0800	0.6000	0.5480	0.1698
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9595	0.0031	0.9595	0.9579	0.0481
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7616	0.0981
linkage10%	1.0000	0.0001	1.0000	0.9912	0.0212
liver	0.6471	0.3529	0.6471	0.2635	0.8463
localization	0.7152	0.0517	0.7265	0.6492	0.3578
lrs	0.8679	0.0264	0.8679	0.8197	0.1367
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7949	0.1808
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.4815	0.2385
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7962	0.2038	0.7962	0.5923	0.6702
magic04	0.8711	0.1289	0.8711	0.7168	0.5308

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4819	0.7510
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7600	0.3477
messidor	0.6348	0.3652	0.6348	0.2603	0.8958
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0383
mfeat-fou	0.8300	0.0340	0.8300	0.8111	0.1393
mfeat-kar	0.9600	0.0080	0.9600	0.9556	0.0504
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.1907
mfeat-pix	0.9850	0.0030	0.9850	0.9833	0.0189
mfeat-zer	0.7950	0.0410	0.7950	0.7722	0.1237
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4335
mobile	0.9126	0.0031	0.9126	0.9110	0.0387
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9818	0.0182	0.9818	0.9281	0.1281
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.8368
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.5260
mutagen_class_3	0.4783	0.5217	0.4783	-0.0299	0.7527
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8115
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2428	0.9070
MUT_ci300400a	0.8321	0.1679	0.8321	0.6553	0.6043
MUT_ci300400a_cdk_ECFP2	0.8141	0.1859	0.8141	0.6167	0.6432
myocardial	0.8412	0.0397	0.8412	0.4312	0.5518
naticusdroid	0.9693	0.0307	0.9693	0.9386	0.1848
nci9	0.3333	0.1481	0.3333	0.2000	0.2201
ncRNA10%	0.9344	0.0091	0.9275	0.7407	0.4304
newspop	0.6299	0.3701	0.6299	0.2532	0.9009
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9663	0.0337	0.9663	0.9173	0.2230
NPHA-doctor-visits	0.3889	0.4074	0.3889	0.0438	0.7975
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9768	0.0885
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9505	0.0099	0.9505	0.9435	0.0554
oh10-wc	0.7619	0.0476	0.7619	0.7326	0.2263
oh15-wc	0.8696	0.0261	0.8696	0.8519	0.1250
oh5-wc	0.8132	0.0374	0.8132	0.7906	0.1767
opn310k	0.9270	0.0772	0.9283	0.4489	0.5555
opnat310k-hg16-17	0.9071	0.0882	0.9108	0.0386	0.2501
optdigits	0.9644	0.0071	0.9644	0.9604	0.0494
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.8972	0.1028	0.8972	0.3736	0.4485
ozone8hr	0.8458	0.1542	0.8458	0.2869	0.6005
p53-mutants10%	0.9745	0.0255	0.9745	-0.0056	0.1835
page-blocks	0.9726	0.0110	0.9726	0.8470	0.2196

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9151	0.0762	0.9119	0.7952	0.3972
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.8739	0.1261	0.8739	0.4426	0.5531
pcmac	0.4227	0.5773	0.4227	-0.1468	1.0000
pd	0.8684	0.1316	0.8684	0.6226	0.5508
pediatric-leukemia	0.8529	0.0420	0.8529	0.8168	0.0922
pendigits	0.9945	0.0011	0.9945	0.9939	0.0106
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5836	0.6609
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6813	0.5812
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7059	0.4011
Pgp_desc	0.6500	0.3500	0.6500	0.2553	0.8874
phishing	0.9673	0.0327	0.9673	0.9312	0.1929
phoneme	0.9185	0.0815	0.9185	0.8025	0.4248
phy	0.6836	0.3164	0.6836	0.3672	0.8416
pima	0.7105	0.2895	0.7105	0.4011	0.8108
plx	0.5556	0.4444	0.5556	0.0137	0.9013
poker	0.7741	0.0437	0.7743	0.5924	0.1785
polish-1st	0.9403	0.0597	0.9403	0.5068	0.5428
polish-2nd	0.8751	0.1249	0.8751	0.2525	0.4703
polish-3rd	0.8552	0.1448	0.8552	0.2736	0.4810
polish-4th	0.8867	0.1133	0.8867	0.4006	0.5236
polish-5th	0.9340	0.0660	0.9340	0.5792	0.5794
polya	0.7795	0.2205	0.7795	0.5028	0.7125
popularity	0.5594	0.2937	0.5594	0.2165	0.6838
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9831	0.0043	0.9720	0.9771	0.0315
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8778
primary-tumor	0.3636	0.0579	0.3636	0.3028	0.2713
profb	0.6119	0.3881	0.6119	0.1950	0.8772
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9817	0.0032	1.0000	1.0000	0.0249
pufs-6410%	0.5021	0.4956	0.5031	0.0011	0.9931
raisin	0.8667	0.1333	0.8667	0.7333	0.5209
re0-wc	0.8467	0.0236	0.8467	0.8057	0.2294
re1-wc	0.8675	0.0106	0.8675	0.8493	0.1161
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6502	0.3498	0.6502	0.2810	0.8810
RT_IOT2022	0.9903	0.0007	0.9898	1.0000	0.0058
satimage	0.9114	0.0295	0.9114	0.8910	0.1537
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.9409	0.0591	0.9409	0.6234	0.4272
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5882	0.4118	0.5882	0.1765	0.9350
secom	0.6538	0.3462	0.6538	-0.0077	0.4196
secondary_mushroom	0.9995	0.0005	0.9995	0.9990	0.0057
segment	0.9610	0.0111	0.9610	0.9544	0.0448
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.7287	0.2713	0.7287	0.1652	0.4438
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.5947	0.4053	0.5947	0.1359	0.5716
sens-2-gram	0.6263	0.3737	0.6263	0.1616	0.5849
sens-3-gram	0.6026	0.3974	0.6026	0.1699	0.5499
sens-4-gram	0.6368	0.3632	0.6368	0.1403	0.6113
sensorless	0.9954	0.0008	0.9954	0.9949	0.0095
sepsis	0.9144	0.0928	0.9269	0.0000	0.2100
shoppers	0.8735	0.1265	0.8735	0.5669	0.6276
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8715	0.2771
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0005	0.9798	0.9800	0.0102
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.7482	0.0839	0.7482	0.6812	0.2521
sonar	0.8000	0.2000	0.8000	0.6000	0.6236
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9348	0.0652	0.9348	0.8628	0.3232
spect	0.7407	0.2593	0.7407	0.2921	0.7993
spectf	0.9143	0.0857	0.9143	0.7835	0.4068
spectrometer	0.5660	0.0181	0.5660	0.5436	0.1121
splice-EI	0.9495	0.0505	0.9495	0.8662	0.3155
splice-IE	0.8991	0.1009	0.8991	0.7126	0.4950
sport-articles	0.7900	0.2100	0.7900	0.5520	0.6977
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8410	0.1590	0.8410	0.5712	0.6423
steel-d	0.9795	0.0205	0.9795	0.7039	0.4990
steel_industry	0.9147	0.0569	0.9147	0.8612	0.2080
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8205	0.1795	0.8205	0.6089	0.6456
steel-p	0.9385	0.0615	0.9385	0.5668	0.5414
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.2462	0.3015	0.2462	0.0343	0.7303
student-workday	0.5781	0.1688	0.5781	0.1079	0.6631
susy10%	0.7777	0.2339	0.7812	0.5292	0.7155
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8056	0.1944	0.8056	0.4615	0.7201
texture	0.9873	0.0023	0.9873	0.9860	0.0196
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.6809	0.3191	0.6809	0.1774	0.6826
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8931	0.0902	0.8954	0.7565	0.4191
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5733	0.4267	0.5733	-0.0152	0.8729
trec11-wc	0.9024	0.0217	0.9024	0.8823	0.1218
trec12-wc	0.9032	0.0242	0.9032	0.8835	0.0763

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8648	0.0584
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9717	0.0000
trec41-wc	0.8977	0.0205	0.8977	0.8766	0.1051
trec45-wc	0.9710	0.0058	0.9710	0.9663	0.0312
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8000	0.1000	0.8000	0.7333	0.2397
tvnews	0.9584	0.0541	0.9607	0.8831	0.2735
urban	0.8657	0.0299	0.8657	0.8428	0.1292
vehicle	0.7976	0.1012	0.7976	0.7257	0.2054
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.6869	0.0569	0.6869	0.6556	0.1969
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.8917	0.0901	0.8981	0.0011	0.2390
wap-wc	0.7949	0.0205	0.7949	0.7712	0.1865
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0725
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	1.0000	0.0002	1.0000	0.9815	0.0023
watch-gyr10%	1.0000	0.0002	1.0000	0.9803	0.0022
waveform	0.8340	0.1107	0.8340	0.7510	0.3798
web-phishing	0.8593	0.0938	0.8593	0.7543	0.4141
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0017
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.6415	0.1195	0.6415	0.4701	0.6119
winequality-white	0.6299	0.1058	0.6299	0.4840	0.6107
winnipeg	0.9947	0.0063	0.9617	0.9738	0.0478
yale	0.8125	0.0250	0.8125	0.7992	0.0481
yeast	0.5203	0.0959	0.5203	0.3992	0.4703
yeastCYT-POX	0.8980	0.1020	0.8980	0.4068	0.4711
yeastEXC	0.9527	0.0473	0.9527	0.1981	0.5887
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9559	0.0088	0.9559	0.9506	0.0740
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 138: Detailed results for HUE(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1200	0.0594	0.1146	0.0137	0.3490
abalone19	0.7368	0.2632	0.7368	0.0039	0.0741
abalone9-18	0.6986	0.3014	0.6986	0.1897	0.3281
accelerometer	0.8634	0.1366	0.8634	0.1656	0.2679
ads	0.9451	0.0549	0.9451	0.7981	0.4412
adult	0.8090	0.1910	0.8090	0.5384	0.6612
AID1284Morered	0.6389	0.3611	0.6389	0.2778	0.4652
AID1284red	0.5833	0.4167	0.5833	0.2286	0.4422
AID_1431	0.4683	0.5317	0.4683	-0.0233	0.4331
AID1608Morered	0.5534	0.4466	0.5534	0.0677	0.3564
AID1608red	0.6311	0.3689	0.6311	0.0808	0.3558
AID_1878	0.6000	0.4000	0.6000	0.1198	0.7144
AID362red	0.7921	0.2079	0.7921	0.0379	0.1615
AID373AID439red	0.6933	0.3067	0.6933	0.0008	0.0016
AID373red	0.7414	0.2586	0.7414	0.0032	0.0116
AID439Morered	0.7143	0.2857	0.7143	0.3636	0.5000
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.6593	0.3407	0.6593	-0.0001	0.0285
AID600_MACCS	0.6486	0.3514	0.6486	0.3216	0.8040
AID_602330	0.5781	0.4219	0.5781	0.0367	0.2583
AID604	0.9998	0.0035	0.9853	0.0000	0.0162
AID604AID644_AllRed	0.7845	0.2155	0.7845	0.0057	0.0134
AID644Morered	0.6000	0.4000	0.6000	0.2593	0.7326
AID644red	0.4500	0.5500	0.4500	-0.0577	0.8950
AID_652128	0.3131	0.4579	0.3131	0.0071	0.3859
AID687AID721red	0.4976	0.5024	0.4976	-0.0000	0.0051
AID687red	0.6813	0.3187	0.6813	0.0053	0.0290
AID688red	0.5097	0.4903	0.5097	0.0026	0.0638
AID721morered	0.3333	0.6667	0.3333	-0.1250	0.7560
AID721red	0.3333	0.6667	0.3333	-0.1250	0.7560
AID746AID1284red	0.7692	0.2308	0.7692	0.0038	0.0127
AID746red	0.7539	0.2461	0.7539	0.0252	0.0671
AID_773	0.4815	0.5185	0.4815	0.1370	0.3602
AID852_MACCS	0.8308	0.1692	0.8308	0.5731	0.6441
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.8652	0.0539	0.8652	0.7612	0.1388
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9499	0.0250	0.9499	0.9065	0.3019
anuran-f-b	0.9736	0.0264	0.9736	0.3787	0.4329
anuran-genus	0.9360	0.0160	0.9360	0.8970	0.2605
anuran-species	0.9500	0.0100	0.9500	0.9312	0.1553
aps-failure	0.9459	0.0541	0.9459	0.3768	0.4441
arcene	0.8000	0.2000	0.8000	0.6154	0.4644
arrhythmia	0.4667	0.0821	0.4667	0.3768	0.3286
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.3514	0.0552	0.3554	0.1548	0.2472
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8083	0.1416
avila	0.9617	0.0064	0.9617	0.9508	0.2327
balance	0.7419	0.1720	0.7419	0.6019	0.3384
bank	0.8541	0.1459	0.8541	0.5127	0.5701
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8825	0.1175	0.8825	0.7416	0.4886
basehock	0.9698	0.0302	0.9698	0.9397	0.1798
bio	0.9943	0.0031	0.9988	0.8124	0.1155
biodeg	0.8762	0.1238	0.8762	0.7437	0.5019
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9911	0.0000	0.9785	0.1512	0.3315
block10%	0.9941	0.0000	1.0000	0.9849	0.0003
block10%	0.9941	0.0000	1.0000	0.9849	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.4842	0.6629
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.3636	0.6364	0.3636	-0.3509	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.6000	0.1143	0.6000	0.4872	0.2132
bub10at310k-hg16-17	0.9106	0.0892	0.9156	0.0327	0.2366
bze_3d_rdkit_descriptors	0.8049	0.1951	0.8049	0.4727	0.7114
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.5294	0.5000
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9770	0.0115	0.9770	0.9516	0.1357
card	0.8406	0.1594	0.8406	0.6804	0.5638
cardiotocography	0.8404	0.0319	0.8404	0.8124	0.2272
cardiotocography-nsp	0.8685	0.0876	0.8685	0.6896	0.4700
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.6273	0.4650
cas_N6512_cdk_ECFP2	0.7496	0.2504	0.7496	0.5009	0.7404
cdc_diabetes	0.8363	0.0997	0.8397	0.1529	0.2886
census10%	0.9335	0.0472	0.9387	0.4294	0.3797
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.8837	0.1163	0.8837	0.4459	0.5661
cervical-C	0.8023	0.1977	0.8023	0.0214	0.5120
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.8953	0.1047	0.8953	0.4691	0.6364
chemo_fontaine	0.8837	0.1163	0.8837	0.7603	0.4689
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	1.0000	0.0002	0.9851	0.8986	0.0694
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6923	0.5642
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3502	0.8334
cirrhosis	0.6429	0.2381	0.6429	0.4273	0.5098
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6991	0.1505	0.6991	0.5830	0.4623
climate	0.8333	0.1667	0.8333	0.3269	0.5540
cil_sub_111	0.5000	0.3333	0.5000	0.1818	0.4294
cm1	0.7000	0.3000	0.7000	0.1573	0.5626
cmc	0.5578	0.2948	0.5578	0.3215	0.6754
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0707
codon_usage	0.8266	0.0315	0.8266	0.7940	0.3040
coil20	0.9861	0.0014	0.9861	0.9854	0.0098
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.7241	0.2759	0.7241	0.3591	0.8058
colposcopies-2	0.8276	0.1724	0.8276	0.6523	0.5759
colposcopies-3	0.6897	0.3103	0.6897	0.3359	0.8266
colposcopies-4	0.5517	0.4483	0.5517	0.0599	0.8709

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.5085	0.5306
colposcopies-6	0.6552	0.3448	0.6552	0.3029	0.8444
colposcopies-c	0.5517	0.4483	0.5517	0.1490	0.7449
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7419	0.1720	0.7419	0.5967	0.2586
connect-4	0.9584	0.0277	0.9584	0.4882	0.4908
cottonmeloidogyne	0.6731	0.3269	0.6731	0.3469	0.8457
coupon	0.7382	0.2618	0.7382	0.4603	0.7697
covtype	0.9432	0.0111	0.9628	0.9346	0.1093
covtypeCD	0.9747	0.0253	0.9747	0.8995	0.3019
covtypeT	0.9603	0.0397	0.9603	0.7532	0.4872
cox2_cdk_ECFP2	0.7391	0.2609	0.7391	0.3381	0.7293
crowdsourced	0.8645	0.0452	0.8645	0.7497	0.4248
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3574	0.1075
cyclopentane	0.6296	0.3704	0.6296	0.2623	0.8892
cylinder-bands	0.7778	0.2222	0.7778	0.5604	0.6642
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.5385	0.4615	0.5385	0.1333	0.3113
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7210	0.2790	0.7210	0.3219	0.7611
deposit	0.8363	0.1637	0.8363	0.4748	0.5846
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	0.1667	0.3744
dexter	0.8333	0.1667	0.8333	0.6667	0.5921
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6441	0.6171
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5667	0.2800	0.5712	0.1569	0.5447
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.7917	0.2083	0.7917	0.5652	0.6805
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5695	0.4426	0.5692	0.1116	0.9794
dropout	0.7269	0.1821	0.7269	0.5766	0.4814
drug-01	0.1543	0.2416	0.1543	0.0337	0.7816
drug-02	0.3245	0.1930	0.3245	0.1590	0.7829
drug-03	0.1968	0.2295	0.1968	0.0358	0.7020
drug-04	0.1915	0.2310	0.1915	0.0703	0.7199
drug-05	0.0851	0.2614	0.0851	0.0041	0.5737
drug-06	0.2766	0.2067	0.2766	0.1453	0.6896
drug-07	0.1330	0.2477	0.1330	0.0271	0.7341
drug-08	0.2766	0.2067	0.2766	0.1273	0.7587
drug-09	0.2766	0.2067	0.2766	0.0189	0.5084
drug-10	0.2926	0.2021	0.2926	0.1307	0.7106
drug-11	0.3404	0.1885	0.3404	0.0769	0.5702
drug-12	0.1383	0.2462	0.1383	0.0492	0.5338
drug-13	0.3032	0.1991	0.3032	0.1262	0.7270
drug-14	0.4149	0.1672	0.4149	0.2382	0.7408
drug-15	0.3138	0.1960	0.3138	0.0807	0.6702
drug-16	0.3298	0.1915	0.3298	0.1802	0.7039
drug-17	0.2713	0.2082	0.2713	0.1542	0.7575
drug-18	0.9792	0.0021	0.9699	0.0000	0.0077
drug-19	0.2766	0.2067	0.2766	0.0519	0.6363
drybean	0.9082	0.0262	0.9082	0.8892	0.1478
ecoli	0.6471	0.0882	0.6471	0.5405	0.2344
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.6970	0.3030	0.6970	0.1667	0.5194
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.4632	0.0671	0.4632	0.4185	0.6582
eeg-eye	0.8565	0.1435	0.8565	0.7080	0.5402
EPA_FHM	0.8525	0.1475	0.8525	0.3362	0.5467
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2869	0.8713
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6337	0.6196
er_tox_rdkit_ATOMPAIR	0.8361	0.1639	0.8361	0.3207	0.4238
er_tox_rdkit_AVALON	0.8852	0.1148	0.8852	0.6328	0.5223
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5436	0.6650
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7794	0.4574
er_tox_rdkit_MACCS	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_MORGAN	0.8065	0.1935	0.8065	0.2749	0.3900
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.6721	0.3279	0.6721	0.3737	0.6763
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.3497	0.4422
eucalyptus	0.6438	0.1425	0.6438	0.5474	0.4009
euthyroid	0.9494	0.0506	0.9494	0.7560	0.4836
exon.vs.intron-freq	0.9669	0.0213	0.9962	0.9683	0.1375
fbis-wc	0.7276	0.0320	0.7276	0.6983	0.3083
fda.atompair_fp	0.4091	0.5909	0.4091	-0.2883	0.9209
fertility	0.4000	0.6000	0.4000	-0.2000	0.4911
flags	0.3000	0.1750	0.3000	0.2329	0.3816
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5497	0.0060	0.5322	0.5140	0.5445
forest	0.9038	0.0481	0.9038	0.8672	0.1099
gas	0.9835	0.0055	0.9835	0.9799	0.0378
gastrointestinal	0.5625	0.2917	0.5625	0.3672	0.4340
gender	0.4337	0.3775	0.4337	0.1094	0.7184
gene	0.8927	0.0715	0.8927	0.8280	0.2937
german	0.6500	0.3500	0.6500	0.2457	0.8820
gina	0.8934	0.1066	0.8934	0.7869	0.4462
glass	0.6190	0.1270	0.6190	0.5294	0.2216
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.6667	0.3333	0.6667	0.1503	0.2820
gli_85	0.7500	0.2500	0.7500	0.5000	0.5283
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6829	0.5779
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4608
haberman	0.6667	0.3333	0.6667	0.2105	0.8514
hapt	0.9213	0.0131	0.9213	0.9072	0.1293
har70	0.9025	0.0233	0.9148	0.8743	0.1181
harth10%	0.8425	0.0256	0.8561	0.8011	0.2068
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.2323	0.7856
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.7667	0.2333	0.7667	0.5205	0.6223
hepatitis	0.6667	0.3333	0.6667	0.3590	0.5170

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8152	0.2015	0.8213	0.6148	0.6083
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.4000	0.7154
higgs10%	0.5528	0.4404	0.5661	0.0528	0.5877
higher	0.0714	0.2321	0.0714	-0.0460	0.3532
hinselmann	0.6000	0.4000	0.6000	0.2857	0.5000
hiv1-proteasa	0.8600	0.1400	0.8600	0.5764	0.6219
hiva	0.7447	0.2553	0.7447	0.0711	0.3059
horse	0.6944	0.2037	0.6944	0.5006	0.5576
htru2	0.9570	0.0430	0.9570	0.7722	0.4656
ht-sensor	1.0000	0.0001	1.0000	1.0000	0.0015
hypothyroid	0.8621	0.0690	0.8621	0.5123	0.2935
hypothyroidT	0.9920	0.0080	0.9920	0.9465	0.2137
ilpd	0.6949	0.3051	0.6949	0.3050	0.8252
immuno-therapy	0.7778	0.2222	0.7778	0.5263	0.5283
ionosphere	0.8571	0.1429	0.8571	0.6914	0.5451
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8549	0.0112	0.8549	0.8491	0.1237
jm1	0.6850	0.3150	0.6850	0.2518	0.7324
jvowels	0.9177	0.0183	0.9177	0.9068	0.1277
kc1	0.7488	0.2512	0.7488	0.3353	0.6668
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.6413	0.0298	0.6314	0.0000	0.1506
kc1-class-level-top5percentDF	0.6000	0.4000	0.6000	-0.1250	0.4102
kc2	0.7692	0.2308	0.7692	0.4233	0.7104
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8588	0.0157	0.8588	0.8430	0.2462
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8127	0.0624	0.8127	0.7652	0.3143
la2s-wc	0.8079	0.0640	0.8079	0.7594	0.3039
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6298	0.0820
led24	0.5000	0.1000	0.5000	0.4444	0.1950
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9295	0.0054	0.9295	0.9266	0.0803
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7012	0.1127
linkage10%	0.9982	0.0001	0.9809	0.9777	0.0216
liver	0.4412	0.5588	0.4412	0.0242	0.8307
localization	0.7145	0.0501	0.7229	0.6363	0.3601
lrs	0.5590	0.0887	0.5427	0.3515	0.1826
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.9048	0.0381	0.9048	0.8359	0.1342
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9029	0.1238
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6981	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7353	0.0000
madelon	0.7885	0.2115	0.7885	0.5769	0.6843
magic04	0.8485	0.1515	0.8485	0.6701	0.5859

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5659	0.6676
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7153	0.3966
messidor	0.5913	0.4087	0.5913	0.1963	0.9057
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8333	0.0833	0.8333	0.7702	0.2056
mfeat-fac	0.9350	0.0130	0.9350	0.9278	0.0786
mfeat-fou	0.7800	0.0440	0.7800	0.7556	0.1937
mfeat-kar	0.8800	0.0240	0.8800	0.8667	0.1304
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2191
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.0975
mfeat-zer	0.6650	0.0670	0.6650	0.6278	0.2694
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4457	0.4136
mobile	0.8671	0.0047	0.8671	0.8647	0.0636
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9606	0.0394	0.9606	0.8573	0.3571
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8134
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3993	0.8090
MUT_ci300400a	0.8396	0.1604	0.8396	0.6760	0.5826
MUT_ci300400a_cdk_ECFP2	0.8213	0.1787	0.8213	0.6418	0.6049
myocardial	0.4588	0.1353	0.4588	0.1646	0.4834
naticusdroid	0.9690	0.0310	0.9690	0.9379	0.1860
nci9	0.5000	0.1111	0.5000	0.4545	0.0625
ncRNA10%	0.9166	0.0091	0.9001	0.7514	0.4278
newspop	0.5969	0.4031	0.5969	0.2049	0.9014
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9594	0.0406	0.9594	0.9009	0.2632
NPHA-doctor-visits	0.3194	0.4537	0.3194	-0.0205	0.8101
nursery	0.8765	0.0494	0.8765	0.8280	0.1415
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9770	0.1018
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9761	0.0513
oh0-wc	0.8614	0.0277	0.8614	0.8412	0.1439
oh10-wc	0.7143	0.0571	0.7143	0.6824	0.2312
oh15-wc	0.7609	0.0478	0.7609	0.7298	0.2382
oh5-wc	0.6923	0.0615	0.6923	0.6572	0.2569
opn310k	0.9415	0.0776	0.9116	0.4458	0.5562
opnat310k-hg16-17	0.8968	0.0878	0.9213	0.0382	0.2482
optdigits	0.9431	0.0114	0.9431	0.9367	0.0794
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.9250	0.0037	0.9250	0.9231	0.0141
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8577	0.1423	0.8577	0.2913	0.3900
ozone8hr	0.7984	0.2016	0.7984	0.2532	0.5390
p53-mutants10%	0.8631	0.1369	0.8631	-0.0063	0.0489
page-blocks	0.9068	0.0373	0.9068	0.6433	0.4762

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	1.0000	0.0000	1.0000	1.0000	0.0000
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.9332	0.0772	0.9313	0.8115	0.4046
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.8198	0.1802	0.8198	0.3743	0.4711
pcmac	0.4742	0.5258	0.4742	-0.0005	0.9480
pd	0.9211	0.0789	0.9211	0.8033	0.4272
pediatric-leukemia	0.7647	0.0672	0.7647	0.7125	0.1852
pendigits	0.9745	0.0051	0.9745	0.9717	0.0431
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5963	0.6262
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9288
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6832	0.5704
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4286	0.5000
Pgp_desc	0.6500	0.3500	0.6500	0.3137	0.8299
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.9111	0.0889	0.9111	0.7902	0.4457
phy	0.6542	0.3458	0.6542	0.3078	0.8655
pima	0.7500	0.2500	0.7500	0.4972	0.7290
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7939	0.0442	0.7819	0.5833	0.1771
polish-1st	0.8506	0.1494	0.8506	0.2858	0.4018
polish-2nd	0.8515	0.1485	0.8515	0.2284	0.4317
polish-3rd	0.8352	0.1648	0.8352	0.2172	0.4636
polish-4th	0.8082	0.1918	0.8082	0.2702	0.4298
polish-5th	0.8511	0.1489	0.8511	0.3558	0.5505
polya	0.7189	0.2811	0.7189	0.4303	0.7614
popularity	0.4381	0.3746	0.4381	0.1840	0.6115
post-operative	0.4444	0.3704	0.4444	0.2500	0.3042
postures	0.9756	0.0042	0.9985	0.9927	0.0306
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9127
primary-tumor	0.2727	0.0661	0.2727	0.2281	0.1987
profb	0.5970	0.4030	0.5970	0.2062	0.8447
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9918	0.0032	1.0000	1.0000	0.0254
pufs-6410%	0.4973	0.5050	0.4967	0.0010	0.9779
raisin	0.9000	0.1000	0.9000	0.8000	0.4311
re0-wc	0.7067	0.0451	0.7067	0.6443	0.4185
re1-wc	0.7229	0.0222	0.7229	0.6975	0.2435
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.6734	0.3266	0.6734	0.3604	0.8015
RT_IOT2022	1.0000	0.0007	1.0000	0.9754	0.0058
satimage	0.8756	0.0415	0.8756	0.8477	0.1953
satimageF	0.9798	0.0202	0.9798	0.9014	0.2937
satimageT	0.8678	0.1322	0.8678	0.5189	0.5657
scadi	0.4221	0.1662	0.4221	0.2585	0.2790
schiller	0.5556	0.4444	0.5556	0.2500	0.5000
schizo	0.5882	0.4118	0.5882	0.1765	0.8657
secom	0.7372	0.2628	0.7372	0.1957	0.4295
secondary_mushroom	0.9992	0.0008	0.9992	0.9983	0.0086
segment	0.9567	0.0124	0.9567	0.9494	0.0559
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.7364	0.2636	0.7364	0.1719	0.4496
semeion	0.9748	0.0252	0.9748	0.8683	0.3377
sens-1-gram	0.6263	0.3737	0.6263	0.0729	0.6378
sens-2-gram	0.6789	0.3211	0.6789	0.1957	0.6201
sens-3-gram	0.7026	0.2974	0.7026	0.2210	0.6311
sens-4-gram	0.6816	0.3184	0.6816	0.1305	0.6611
sensorless	0.9862	0.0025	0.9862	0.9848	0.0244
sepsis	0.9201	0.0928	0.9097	0.0000	0.2105
shoppers	0.8435	0.1565	0.8435	0.5394	0.6094
shuttle	0.9974	0.0007	0.9974	0.9928	0.1884
sick	0.9655	0.0345	0.9655	0.7614	0.4761
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9880	0.0005	1.0000	0.9960	0.0102
smk_can_187	0.5263	0.4737	0.5263	0.0757	0.9099
solar-flare	0.7194	0.0935	0.7194	0.6500	0.2790
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	0.9265	0.0077	0.9265	0.9196	0.0435
spambase	0.9261	0.0739	0.9261	0.8469	0.3615
spect	0.6296	0.3704	0.6296	0.2105	0.7516
spectf	0.8286	0.1714	0.8286	0.6038	0.6382
spectrometer	0.1307	0.0356	0.1304	0.0507	0.3304
splice-EI	0.9432	0.0568	0.9432	0.8589	0.3450
splice-IE	0.9274	0.0726	0.9274	0.8121	0.4177
sport-articles	0.7700	0.2300	0.7700	0.5352	0.6867
squash-stored	0.4000	0.4000	0.4000	0.1176	0.5184
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7744	0.2256	0.7744	0.4488	0.6854
steel-d	0.8718	0.1282	0.8718	0.2473	0.3971
steel_industry	0.9075	0.0616	0.9075	0.8501	0.2268
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.8051	0.1949	0.8051	0.5879	0.6600
steel-p	0.8513	0.1487	0.8513	0.4417	0.5356
steel-s	0.9744	0.0256	0.9744	0.6925	0.4821
steel-z	0.9436	0.0564	0.9436	0.7451	0.4838
studentap	0.3077	0.4615	0.3077	-0.0446	0.8353
student-weekend	0.3231	0.2708	0.3231	0.1573	0.7247
student-workday	0.3750	0.2500	0.3750	0.1197	0.6770
susy10%	0.7729	0.2392	0.7614	0.5278	0.7197
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.7500	0.2500	0.7500	0.3622	0.7597
texture	0.9636	0.0066	0.9636	0.9599	0.0489
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.5957	0.4043	0.5957	0.0325	0.6804
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.9039	0.0881	0.9214	0.7514	0.4127
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6667	0.0398
tox_171	0.8235	0.0882	0.8235	0.7650	0.1645
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5600	0.4400	0.5600	0.0024	0.8573
trec11-wc	0.7561	0.0542	0.7561	0.7157	0.1444
trec12-wc	0.8065	0.0484	0.8065	0.7723	0.1738

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6667	0.1111	0.6667	0.4923	0.2557
trec23-wc	0.9524	0.0159	0.9524	0.9344	0.0454
trec31-wc	0.4624	0.1536	0.4624	0.3890	0.2591
trec41-wc	0.8523	0.0295	0.8523	0.8246	0.1320
trec45-wc	0.8696	0.0261	0.8696	0.8491	0.1165
tuandromd	0.9821	0.0179	0.9821	0.9452	0.1850
turkish	0.7750	0.1125	0.7750	0.7000	0.3062
tvnews	0.9308	0.0537	0.9350	0.8794	0.2847
urban	0.8507	0.0332	0.8507	0.8267	0.1661
vehicle	0.7500	0.1250	0.7500	0.6612	0.2984
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.4000	0.5283
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.3333	0.1212	0.3333	0.2667	0.3540
vowelZ	0.9697	0.0303	0.9697	0.8406	0.4011
vrnormat310k-hg16-17	0.9141	0.0895	0.8920	0.0011	0.2408
wap-wc	0.6026	0.0397	0.6026	0.5693	0.2847
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0382
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9882	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	0.9889	0.0002	0.9907	1.0000	0.0023
waveform	0.7660	0.1560	0.7660	0.6491	0.4684
web-phishing	0.8148	0.1235	0.8148	0.6827	0.4600
weight-lift	0.9941	0.0023	0.9941	0.9926	0.0191
white-clover	0.1667	0.4167	0.1667	-0.3636	0.3581
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0474
wilt	0.9503	0.0497	0.9503	0.6430	0.5283
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.4465	0.1845	0.4465	0.2869	0.6748
winequality-white	0.3865	0.1753	0.3865	0.2487	0.6914
winnipeg	1.0000	0.0062	0.9708	0.9563	0.0489
yale	0.6875	0.0417	0.6875	0.6667	0.0743
yeast	0.4662	0.1068	0.4662	0.3583	0.5238
yeastCYT-POX	0.8163	0.1837	0.8163	0.2563	0.3673
yeastEXC	0.7973	0.2027	0.7973	0.1704	0.2692
yeastME1	0.9595	0.0405	0.9595	0.5542	0.5239
yeastME2	0.8378	0.1622	0.8378	0.2783	0.4438
zip	0.9097	0.0181	0.9097	0.8989	0.1359
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 139: Detailed results for HUE(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1171	0.0601	0.1202	0.0138	0.3555
abalone19	0.7249	0.2751	0.7249	0.0032	0.0721
abalone9-18	0.6849	0.3151	0.6849	0.1242	0.3611
accelerometer	0.8556	0.1444	0.8556	0.1537	0.2581
ads	0.9329	0.0671	0.9329	0.7610	0.4768
adult	0.8088	0.1912	0.8088	0.5392	0.6595
AID1284Morered	0.6944	0.3056	0.6944	0.3356	0.4887
AID1284red	0.6111	0.3889	0.6111	0.1158	0.6230
AID_1431	0.5159	0.4841	0.5159	0.0189	0.4376
AID1608Morered	0.5825	0.4175	0.5825	0.0802	0.3683
AID1608red	0.6311	0.3689	0.6311	0.0808	0.3558
AID_1878	0.5905	0.4095	0.5905	0.1107	0.7115
AID362red	0.7921	0.2079	0.7921	0.0379	0.1615
AID373AID439red	0.6938	0.3062	0.6938	0.0008	0.0016
AID373red	0.7426	0.2574	0.7426	0.0032	0.0117
AID439Morered	0.8571	0.1429	0.8571	0.5882	0.5283
AID439red	0.5714	0.4286	0.5714	0.2222	0.4422
AID456red	0.6653	0.3347	0.6653	-0.0000	0.0288
AID600_MACCS	0.5405	0.4595	0.5405	0.1300	0.8860
AID_602330	0.5729	0.4271	0.5729	0.0557	0.2475
AID604	1.0000	0.0036	0.9953	0.0000	0.0162
AID604AID644_AllRed	0.7850	0.2150	0.7850	0.0057	0.0135
AID644Morered	0.5000	0.5000	0.5000	0.0000	0.8968
AID644red	0.5000	0.5000	0.5000	-0.0870	0.9393
AID_652128	0.3636	0.4242	0.3636	0.0212	0.3949
AID687AID721red	0.4967	0.5033	0.4967	-0.0000	0.0051
AID687red	0.6780	0.3220	0.6780	0.0052	0.0288
AID688red	0.5138	0.4862	0.5138	0.0013	0.0648
AID721morered	0.5556	0.4444	0.5556	0.2500	0.5000
AID721red	0.5556	0.4444	0.5556	0.0526	0.7987
AID746AID1284red	0.7689	0.2311	0.7689	0.0038	0.0127
AID746red	0.7529	0.2471	0.7529	0.0238	0.0669
AID_773	0.3704	0.6296	0.3704	-0.1007	0.5052
AID852_MACCS	0.8154	0.1846	0.8154	0.5244	0.6822
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9663	0.0135	0.9663	0.9318	0.2177
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9708	0.0146	0.9708	0.9451	0.1760
anuran-f-b	0.9736	0.0264	0.9736	0.3787	0.4329
anuran-genus	0.9708	0.0073	0.9708	0.9524	0.1737
anuran-species	0.9708	0.0058	0.9708	0.9596	0.1238
aps-failure	0.9455	0.0545	0.9455	0.3750	0.4428
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7778	0.0342	0.7778	0.6962	0.2355
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.3507	0.0548	0.3482	0.1526	0.2452
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9895	0.0018	0.9895	0.9863	0.0557
balance	0.7097	0.1935	0.7097	0.5287	0.4222
bank	0.8541	0.1459	0.8541	0.5151	0.5664
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8687	0.1313	0.8687	0.7136	0.5319
basehock	0.9598	0.0402	0.9598	0.9196	0.2246
bio	1.0000	0.0030	0.9844	0.7874	0.1166
biodeg	0.8857	0.1143	0.8857	0.7600	0.4858
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9745	0.0000	0.9893	0.1535	0.3257
block10%	0.9888	0.0000	1.0000	1.0000	0.0003
block10%	0.9888	0.0000	1.0000	1.0000	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.3368	0.7643
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1414
bub10at310k-hg16-17	0.8930	0.0901	0.9266	0.0327	0.2354
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9565	0.0435	0.9565	0.9032	0.2392
car	0.9770	0.0115	0.9770	0.9511	0.0705
card	0.8406	0.1594	0.8406	0.6804	0.5638
cardiotocography	0.8545	0.0291	0.8545	0.8263	0.1816
cardiotocography-nsp	0.9061	0.0626	0.9061	0.7623	0.4002
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.6273	0.4650
cas_N6512_cdk_ECFP2	0.7327	0.2673	0.7327	0.4668	0.7679
cdc_diabetes	0.8607	0.1016	0.8447	0.1537	0.2813
census10%	0.9556	0.0456	0.9708	0.4355	0.3756
central-nervous-system	0.6667	0.3333	0.6667	0.4000	0.5283
cervical-B	0.8837	0.1163	0.8837	0.4459	0.5661
cervical-C	0.7907	0.2093	0.7907	0.0140	0.4983
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.8837	0.1163	0.8837	0.4844	0.6138
chemo_fontaine	0.8605	0.1395	0.8605	0.7088	0.5440
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9824	0.0002	0.9800	0.8795	0.0700
ci100410h_MACCS	0.6875	0.3125	0.6875	0.2417	0.7868
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8429	0.3626
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6029	0.6519
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6526	0.3474	0.6526	0.2963	0.8554
cirrhosis	0.7381	0.1746	0.7381	0.5000	0.5531
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7787	0.1106	0.7787	0.6701	0.4798
climate	0.8333	0.1667	0.8333	0.3269	0.5540
cil_sub_111	0.5000	0.3333	0.5000	0.1628	0.5720
cm1	0.7200	0.2800	0.7200	0.1765	0.5752
cmc	0.5034	0.3311	0.5034	0.2406	0.7437
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0926
codon_usage	0.9033	0.0176	0.9033	0.8834	0.2606
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6207	0.3793	0.6207	0.2162	0.8800
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.6897	0.3103	0.6897	0.3491	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.4558	0.5271
colposcopies-6	0.6207	0.3793	0.6207	0.2350	0.8975
colposcopies-c	0.6207	0.3793	0.6207	0.2276	0.7514
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7419	0.1720	0.7419	0.5860	0.3017
connect-4	0.9538	0.0308	0.9538	0.4594	0.5007
cottonmeloidogyne	0.6707	0.3293	0.6707	0.3423	0.8453
coupon	0.7484	0.2516	0.7484	0.4811	0.7533
covtype	0.9566	0.0110	0.9446	0.9231	0.1089
covtypeCD	0.9742	0.0258	0.9742	0.8977	0.3052
covtypeT	0.9603	0.0397	0.9603	0.7532	0.4872
cox2_cdk_ECFP2	0.7391	0.2609	0.7391	0.3381	0.7293
crowdsourced	0.9180	0.0273	0.9180	0.8390	0.3936
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3125	0.0344	0.3125	0.2918	0.1188
cyclopentane	0.6667	0.3333	0.6667	0.3306	0.8586
cylinder-bands	0.8148	0.1852	0.8148	0.6337	0.5871
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.6154	0.3846	0.6154	0.1772	0.3467
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7237	0.2763	0.7237	0.3302	0.7567
deposit	0.8412	0.1588	0.8412	0.4849	0.5847
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.5000	0.3333	0.5000	0.2558	0.5025
dexter	0.8500	0.1500	0.8500	0.7000	0.5590
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6357	0.6086
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5841	0.2760	0.5738	0.1612	0.5332
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.5833	0.4167	0.5833	0.0909	0.9325
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5557	0.4433	0.5537	0.1104	0.9454
dropout	0.6907	0.2062	0.6907	0.5107	0.5550
drug-01	0.1862	0.2325	0.1862	0.0030	0.8387
drug-02	0.3085	0.1976	0.3085	0.1104	0.8241
drug-03	0.3777	0.1778	0.3777	0.1239	0.8136
drug-04	0.2926	0.2021	0.2926	0.0827	0.8269
drug-05	0.1649	0.2386	0.1649	-0.0308	0.6635
drug-06	0.3191	0.1945	0.3191	0.1841	0.7003
drug-07	0.2394	0.2173	0.2394	0.0275	0.8949
drug-08	0.3723	0.1793	0.3723	0.1584	0.8332
drug-09	0.4309	0.1626	0.4309	0.0785	0.5682
drug-10	0.4149	0.1672	0.4149	0.2031	0.7409
drug-11	0.4521	0.1565	0.4521	0.1003	0.5987
drug-12	0.3457	0.1869	0.3457	0.1242	0.6049
drug-13	0.4149	0.1672	0.4149	0.1721	0.7699
drug-14	0.4574	0.1550	0.4574	0.2530	0.7767
drug-15	0.3989	0.1717	0.3989	0.1079	0.7066
drug-16	0.4309	0.1626	0.4309	0.2262	0.7655
drug-17	0.2766	0.2067	0.2766	0.1275	0.8035
drug-18	0.9805	0.0021	0.9728	0.0000	0.0077
drug-19	0.3511	0.1854	0.3511	0.0670	0.7154
drybean	0.9236	0.0218	0.9236	0.9076	0.1248
ecoli	0.7941	0.0515	0.7941	0.7187	0.1506
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.6970	0.3030	0.6970	0.1667	0.5194
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.5138	0.0608	0.5138	0.4706	0.6295
eeg-eye	0.8692	0.1308	0.8692	0.7328	0.4969
EPA_FHM	0.8361	0.1639	0.8361	0.3813	0.4711
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.1975	0.9135
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6416	0.6155
er_tox_rdkit_ATOMPAIR	0.8033	0.1967	0.8033	0.2738	0.3900
er_tox_rdkit_AVALON	0.8852	0.1148	0.8852	0.6328	0.5223
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8281	0.3880
er_tox_rdkit_MACCS	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_MORGAN	0.8065	0.1935	0.8065	0.2749	0.3900
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.4363	0.6149
er_tox_rdkit_TORSION	0.8710	0.1290	0.8710	0.3815	0.4613
eucalyptus	0.6301	0.1479	0.6301	0.5295	0.3677
euthyroid	0.9557	0.0443	0.9557	0.7811	0.4599
exon.vs.intron-freq	0.9920	0.0222	0.9858	0.9650	0.1376
fbis-wc	0.8171	0.0215	0.8171	0.7939	0.1730
fda.atompair_fp	0.4091	0.5909	0.4091	-0.2883	0.9209
fertility	0.7000	0.3000	0.7000	0.2857	0.4422
flags	0.6500	0.0875	0.6500	0.5745	0.1539
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5389	0.0060	0.5417	0.5135	0.5569
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9899	0.0034	0.9899	0.9878	0.0235
gastrointestinal	0.8750	0.0833	0.8750	0.7975	0.2340
gender	0.4758	0.3495	0.4758	0.1463	0.7316
gene	0.9527	0.0315	0.9527	0.9243	0.1454
german	0.6600	0.3400	0.6600	0.2527	0.8797
gina	0.8963	0.1037	0.8963	0.7926	0.4409
glass	0.8095	0.0635	0.8095	0.7325	0.1864
glassBWFP	0.8571	0.1429	0.8571	0.7175	0.4205
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.7755	0.4644
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.6667	0.3333	0.6667	0.1503	0.2820
gli_85	0.6250	0.3750	0.6250	0.3333	0.5239
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8214	0.1786	0.8214	0.6341	0.6286
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4924
haberman	0.6000	0.4000	0.6000	0.1743	0.8167
hapt	0.9524	0.0079	0.9524	0.9438	0.0795
har70	0.9140	0.0234	0.9393	0.8662	0.1211
harth10%	0.8312	0.0258	0.8301	0.7877	0.2047
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8667	0.1333	0.8667	0.6667	0.5000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8080	0.2016	0.8014	0.5977	0.6049
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.5638	0.4503	0.5659	0.0523	0.5766
higher	0.3571	0.1607	0.3571	0.2717	0.2687
hinselmann	0.5000	0.5000	0.5000	0.0000	0.7460
hiv1-proteasa	0.8634	0.1366	0.8634	0.5810	0.6215
hiva	0.7707	0.2293	0.7707	0.1011	0.3241
horse	0.6389	0.2407	0.6389	0.4023	0.5555
htru2	0.9553	0.0447	0.9553	0.7661	0.4728
ht-sensor	0.9959	0.0002	0.9798	1.0000	0.0016
hypothyroid	0.9735	0.0133	0.9735	0.8559	0.4290
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6441	0.3559	0.6441	0.1756	0.8791
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8883	0.0086	0.8883	0.8839	0.0959
jm1	0.6841	0.3159	0.6841	0.2663	0.7178
jvowels	0.9618	0.0085	0.9618	0.9568	0.0644
kc1	0.7536	0.2464	0.7536	0.3305	0.6788
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.2025	0.0485
kc1-class-level-top5percentDF	0.5333	0.4667	0.5333	-0.1290	0.3873
kc2	0.7308	0.2692	0.7308	0.3625	0.7182
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8941	0.0118	0.8941	0.8820	0.1729
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8540	0.0487	0.8540	0.8167	0.2602
la2s-wc	0.8278	0.0574	0.8278	0.7845	0.2856
labor	0.6667	0.3333	0.6667	0.4000	0.5283
leaf	0.7353	0.0132	0.7353	0.7226	0.0537
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9340	0.0051	0.9340	0.9313	0.0771
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0905
linkage10%	1.0000	0.0001	1.0000	0.9854	0.0216
liver	0.5588	0.4412	0.5588	0.1694	0.8239
localization	0.7248	0.0501	0.7331	0.6547	0.3596
lrs	0.5366	0.0915	0.5512	0.3645	0.1877
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9139	0.1179
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.9029	0.1238
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.2032
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.4815	0.2385
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7615	0.2385	0.7615	0.5231	0.7300
magic04	0.8585	0.1415	0.8585	0.6905	0.5628

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4832	0.7409
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7596	0.3519
messidor	0.6348	0.3652	0.6348	0.2769	0.8731
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0605
mfeat-fou	0.7650	0.0470	0.7650	0.7389	0.1922
mfeat-kar	0.9200	0.0160	0.9200	0.9111	0.0965
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.1937
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0503
mfeat-zer	0.7500	0.0500	0.7500	0.7222	0.1770
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4450	0.4313
mobile	0.8566	0.0051	0.8566	0.8540	0.0654
monks-1	0.9455	0.0545	0.9455	0.8908	0.2776
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9545	0.0455	0.9545	0.8353	0.3855
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9709
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7633
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2699	0.8922
MUT_ci300400a	0.8421	0.1579	0.8421	0.6822	0.5715
MUT_ci300400a_cdk_ECFP2	0.8046	0.1954	0.8046	0.6091	0.6346
myocardial	0.6353	0.0912	0.6353	0.2743	0.5140
naticusdroid	0.9680	0.0320	0.9680	0.9359	0.1907
nci9	0.3333	0.1481	0.3333	0.2500	0.0729
ncRNA10%	0.8907	0.0093	0.8997	0.7372	0.4314
newspop	0.5865	0.4135	0.5865	0.1863	0.9042
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9634	0.0366	0.9634	0.9109	0.2456
NPHA-doctor-visits	0.3889	0.4074	0.3889	0.0216	0.8171
nursery	0.9985	0.0006	0.9985	0.9977	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0971
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.9208	0.0158	0.9208	0.9097	0.0882
oh10-wc	0.7714	0.0457	0.7714	0.7421	0.2094
oh15-wc	0.8587	0.0283	0.8587	0.8398	0.1382
oh5-wc	0.8022	0.0396	0.8022	0.7774	0.1942
opn310k	0.9310	0.0778	0.9463	0.4468	0.5478
opnat310k-hg16-17	0.9279	0.0914	0.9251	0.0386	0.2500
optdigits	0.9448	0.0110	0.9448	0.9387	0.0709
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8300	0.1700	0.8300	0.2496	0.3556
ozone8hr	0.8024	0.1976	0.8024	0.2586	0.5425
p53-mutants10%	0.8631	0.1369	0.8631	-0.0063	0.0489
page-blocks	0.9543	0.0183	0.9543	0.7854	0.4246

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.9112	0.0765	0.9254	0.8074	0.4110
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.7928	0.2072	0.7928	0.3339	0.4493
pcmac	0.5258	0.4742	0.5258	0.1063	0.8875
pd	0.9079	0.0921	0.9079	0.7742	0.4586
pediatric-leukemia	0.8529	0.0420	0.8529	0.8214	0.1459
pendigits	0.9873	0.0025	0.9873	0.9858	0.0236
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.3333	0.6667	0.3333	-0.2857	0.9644
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6813	0.5336
P-Glycoprotein_b_Substrate	0.7200	0.2800	0.7200	0.4400	0.7942
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6838	0.5614
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6117	0.4472
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9551	0.0449	0.9551	0.9056	0.2507
phoneme	0.9000	0.1000	0.9000	0.7658	0.4753
phy	0.6622	0.3378	0.6622	0.3238	0.8567
pima	0.7368	0.2632	0.7368	0.4618	0.7673
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7744	0.0445	0.7905	0.5868	0.1735
polish-1st	0.8364	0.1636	0.8364	0.2640	0.3843
polish-2nd	0.8407	0.1593	0.8407	0.2130	0.4173
polish-3rd	0.8257	0.1743	0.8257	0.2229	0.4468
polish-4th	0.8102	0.1898	0.8102	0.2678	0.4350
polish-5th	0.8562	0.1438	0.8562	0.3657	0.5550
polya	0.7222	0.2778	0.7222	0.4400	0.7498
popularity	0.5259	0.3161	0.5259	0.2189	0.6654
post-operative	0.0000	0.6667	0.0000	-0.3500	0.6315
postures	0.9831	0.0042	0.9871	1.0000	0.0312
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8832
primary-tumor	0.3636	0.0579	0.3636	0.3056	0.2597
profb	0.5224	0.4776	0.5224	0.1213	0.8317
promoters	0.7000	0.3000	0.7000	0.3478	0.8165
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9801	0.0031	0.9815	0.9750	0.0248
pufs-6410%	0.5036	0.5024	0.5001	0.0011	0.9741
raisin	0.8778	0.1222	0.8778	0.7556	0.4920
re0-wc	0.7667	0.0359	0.7667	0.7121	0.4098
re1-wc	0.8193	0.0145	0.8193	0.7959	0.1536
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6575	0.3425	0.6575	0.3337	0.8089
RT_IOT2022	1.0000	0.0007	0.9883	0.9776	0.0057
satimage	0.9036	0.0321	0.9036	0.8814	0.1656
satimageF	0.9767	0.0233	0.9767	0.8875	0.3207
satimageT	0.8631	0.1369	0.8631	0.5172	0.5524
scadi	0.4325	0.1670	0.4277	0.2669	0.2811
schiller	0.2222	0.7778	0.2222	0.0000	0.4150
schizo	0.5000	0.5000	0.5000	0.0000	0.9694
secom	0.7308	0.2692	0.7308	0.1617	0.4387
secondary_mushroom	0.9997	0.0003	0.9997	0.9993	0.0042
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.7093	0.2907	0.7093	0.1325	0.4373
semeion	0.9811	0.0189	0.9811	0.9038	0.3038
sens-1-gram	0.6342	0.3658	0.6342	0.1054	0.6290
sens-2-gram	0.6711	0.3289	0.6711	0.1719	0.6272
sens-3-gram	0.6605	0.3395	0.6605	0.1697	0.6170
sens-4-gram	0.6895	0.3105	0.6895	0.1290	0.6695
sensorless	0.9942	0.0011	0.9942	0.9936	0.0112
sepsis	0.9077	0.0920	0.9117	0.0000	0.2062
shoppers	0.8508	0.1492	0.8508	0.5527	0.6085
shuttle	0.9990	0.0003	0.9990	0.9971	0.0715
sick	0.9708	0.0292	0.9708	0.7915	0.4447
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9939	0.0004	0.9799	0.9942	0.0100
smk_can_187	0.5789	0.4211	0.5789	0.1828	0.7904
solar-flare	0.7554	0.0815	0.7554	0.6911	0.2308
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9261	0.0739	0.9261	0.8460	0.3621
spect	0.5926	0.4074	0.5926	0.0000	0.8501
spectf	0.8000	0.2000	0.8000	0.5243	0.7024
spectrometer	0.1306	0.0362	0.1294	0.0510	0.3163
splice-EI	0.9590	0.0410	0.9590	0.8969	0.2806
splice-IE	0.9274	0.0726	0.9274	0.8121	0.4177
sport-articles	0.8000	0.2000	0.8000	0.5893	0.6539
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7897	0.2103	0.7897	0.4901	0.6570
steel-d	0.8769	0.1231	0.8769	0.2564	0.4053
steel_industry	0.9127	0.0582	0.9127	0.8586	0.2196
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7949	0.2051	0.7949	0.5484	0.6954
steel-p	0.8615	0.1385	0.8615	0.4802	0.5161
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9487	0.0513	0.9487	0.7639	0.4715
studentap	0.5385	0.3077	0.5385	0.2909	0.4977
student-weekend	0.3077	0.2769	0.3077	0.1088	0.7578
student-workday	0.4688	0.2125	0.4688	0.0952	0.7424
susy10%	0.7652	0.2329	0.7666	0.5347	0.7156
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.7222	0.2778	0.7222	0.3662	0.7165
texture	0.9727	0.0050	0.9727	0.9699	0.0403
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.6383	0.3617	0.6383	0.0677	0.6990
Thyroid_Diff	0.9474	0.0526	0.9474	0.8721	0.3093
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.9213	0.0914	0.9301	0.7358	0.4072
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.4706	0.5294	0.4706	-0.1168	0.9859
toxicity-13f	0.8235	0.1765	0.8235	0.6277	0.6246
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5733	0.4267	0.5733	-0.0152	0.8729
trec11-wc	0.8780	0.0271	0.8780	0.8529	0.1464
trec12-wc	0.8710	0.0323	0.8710	0.8442	0.0865

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7833	0.2186
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9355	0.0184	0.9355	0.9159	0.1630
trec41-wc	0.9205	0.0159	0.9205	0.9042	0.1353
trec45-wc	0.9565	0.0087	0.9565	0.9493	0.0419
tuandromd	0.9865	0.0135	0.9865	0.9593	0.1598
turkish	0.8000	0.1000	0.8000	0.7333	0.2349
tvnews	0.9568	0.0544	0.9571	0.8763	0.2787
urban	0.8806	0.0265	0.8806	0.8606	0.1182
vehicle	0.8214	0.0893	0.8214	0.7594	0.1722
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.6667	0.3333	0.6667	0.4000	0.5283
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.6061	0.0716	0.6061	0.5667	0.2038
vowelZ	0.9596	0.0404	0.9596	0.7963	0.4472
vrnormat310k-hg16-17	0.9138	0.0923	0.9119	0.0011	0.2456
wap-wc	0.7628	0.0237	0.7628	0.7378	0.1955
warpar10p	0.7692	0.0462	0.7692	0.7383	0.0795
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	1.0000	0.0002	0.9975	1.0000	0.0024
watch-gyr10%	1.0000	0.0002	1.0000	1.0000	0.0022
waveform	0.8080	0.1280	0.8080	0.7120	0.4171
web-phishing	0.8741	0.0840	0.8741	0.7799	0.3692
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0036
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0420
wilt	0.9524	0.0476	0.9524	0.6532	0.5268
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5912	0.1363	0.5912	0.4250	0.5854
winequality-white	0.5869	0.1180	0.5869	0.4314	0.6787
winnipeg	0.9789	0.0063	0.9854	0.9545	0.0489
yale	0.6875	0.0417	0.6875	0.6667	0.0824
yeast	0.5676	0.0865	0.5676	0.4597	0.4782
yeastCYT-POX	0.8571	0.1429	0.8571	0.3181	0.4150
yeastEXC	0.7905	0.2095	0.7905	0.1646	0.2633
yeastME1	0.9595	0.0405	0.9595	0.5542	0.5239
yeastME2	0.8378	0.1622	0.8378	0.2783	0.4438
zip	0.9344	0.0131	0.9344	0.9265	0.1044
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 140: Detailed results for EcuBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1197	0.0618	0.1162	0.0137	0.3424
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.2877	0.7123	0.2877	0.0346	0.1789
accelerometer	0.9850	0.0150	0.9850	0.2692	0.0534
ads	0.9695	0.0305	0.9695	0.8780	0.3159
adult	0.8102	0.1898	0.8102	0.5484	0.6471
AID1284Morered	0.8889	0.1111	0.8889	0.3010	0.2451
AID1284red	0.8889	0.1111	0.8889	0.3010	0.2451
AID_1431	0.0873	0.9127	0.0873	0.0000	0.2120
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.5825	0.4175	0.5825	0.0225	0.3481
AID_1878	0.6095	0.3905	0.6095	0.1739	0.6813
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.0030	0.9970	0.0030	0.0000	0.0086
AID600_MACCS	0.7568	0.2432	0.7568	0.5008	0.7433
AID_602330	0.3073	0.6927	0.3073	0.0044	0.1901
AID604	0.9786	0.0036	0.9760	0.0000	0.0163
AID604AID644_AllRed	0.0010	0.9990	0.0010	0.0000	0.0029
AID644Morered	0.6500	0.3500	0.6500	0.0278	0.9068
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.0505	0.6330	0.0505	-0.0006	0.2957
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.0092	0.9908	0.0092	0.0000	0.0260
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9946	0.0054	0.9946	0.1990	0.0229
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8154	0.1846	0.8154	0.5244	0.6822
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9764	0.0118	0.9764	0.9549	0.0804
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9847	0.0038	0.9847	0.9749	0.0911
anuran-species	0.9861	0.0028	0.9861	0.9807	0.0232
aps-failure	0.9413	0.0587	0.9413	0.3566	0.4298
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6302	0.0585	0.6318	0.2408	0.2152
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.3555	0.0537	0.3500	0.1550	0.2541
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9804	0.0033	0.9804	0.9746	0.0978
balance	0.8065	0.1290	0.8065	0.6687	0.3461
bank	0.8531	0.1469	0.8531	0.5125	0.5672
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9032	0.0968	0.9032	0.7833	0.3913
basehock	0.9849	0.0151	0.9849	0.9698	0.1051
bio	1.0000	0.0030	0.9874	0.8073	0.1161
biodeg	0.8952	0.1048	0.8952	0.7810	0.4580
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0000	0.9839	0.1540	0.3199
block10%	0.9860	0.0000	1.0000	1.0000	0.0003
block10%	0.9860	0.0000	1.0000	1.0000	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.3913	0.7528
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7297	0.1179
bub10at310k-hg16-17	0.8957	0.0888	0.9037	0.0328	0.2339
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6822	0.5529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9598	0.0201	0.9598	0.9160	0.1671
card	0.9130	0.0870	0.9130	0.8198	0.3843
cardiotocography	0.8920	0.0216	0.8920	0.8711	0.1525
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8667	0.1491
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6495	0.4525
cas_N6512_cdk_ECFP2	0.7865	0.2135	0.7865	0.5711	0.6900
cdc_diabetes	0.8481	0.1007	0.8678	0.1567	0.2849
census10%	0.9521	0.0466	0.9708	0.4239	0.3648
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.8140	0.1860	0.8140	0.1236	0.5157
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9070	0.0930	0.9070	0.5043	0.6240
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	1.0000	0.8853	0.0678
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2174	0.8234
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7279	0.5242
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7304	0.5155
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3569	0.8248
cirrhosis	0.5476	0.3016	0.5476	0.3097	0.4468
cjs	0.9964	0.0012	0.9964	0.9956	0.0076
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8046	0.0977	0.8046	0.7053	0.4339
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.5800	0.4200	0.5800	-0.0825	0.5440
cmc	0.5578	0.2948	0.5578	0.3200	0.6854
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0628
codon_usage	0.8150	0.0336	0.8150	0.7792	0.1876
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3895	0.8063
colposcopies-2	0.6897	0.3103	0.6897	0.2770	0.7986
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.6552	0.3448	0.6552	0.1369	0.8899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.5517	0.4483	0.5517	0.2259	0.4652
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.6897	0.3103	0.6897	0.2606	0.8063
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9830	0.0113	0.9830	0.4420	0.1754
cottonmeloidogyne	0.7716	0.2284	0.7716	0.5439	0.6966
coupon	0.7705	0.2295	0.7705	0.5335	0.7203
covtype	0.9765	0.0111	0.9442	0.9258	0.1070
covtypeCD	0.9916	0.0084	0.9916	0.9637	0.0824
covtypeT	0.9803	0.0197	0.9803	0.8593	0.3592
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.5270	0.6578
crowdsourced	0.9346	0.0218	0.9346	0.8696	0.3024
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3253	0.1080
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8519	0.1481	0.8519	0.6971	0.5615
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7523	0.2477	0.7523	0.3708	0.7533
deposit	0.8432	0.1568	0.8432	0.4910	0.5820
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.2500	0.5000	0.2500	-0.0667	0.6287
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.5043	0.7386
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5940	0.2793	0.5823	0.1543	0.5373
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5417	0.4583	0.5417	0.0149	0.9759
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5535	0.4497	0.5614	0.1140	0.9471
dropout	0.7720	0.1520	0.7720	0.6319	0.4470
drug-01	0.1170	0.2523	0.1170	0.0380	0.6923
drug-02	0.3723	0.1793	0.3723	0.2244	0.6667
drug-03	0.0532	0.2705	0.0532	0.0202	0.5374
drug-04	0.1809	0.2340	0.1809	0.0737	0.7290
drug-05	0.0106	0.2827	0.0106	-0.0132	0.4766
drug-06	0.3989	0.1717	0.3989	0.2654	0.5684
drug-07	0.0106	0.2827	0.0106	-0.0023	0.5209
drug-08	0.2181	0.2234	0.2181	0.1230	0.6105
drug-09	0.0213	0.2796	0.0213	-0.0001	0.3881
drug-10	0.1383	0.2462	0.1383	0.0805	0.5722
drug-11	0.0319	0.2766	0.0319	0.0045	0.4204
drug-12	0.0479	0.2720	0.0479	0.0328	0.4471
drug-13	0.1915	0.2310	0.1915	0.0263	0.6798
drug-14	0.4574	0.1550	0.4574	0.2704	0.7282
drug-15	0.0745	0.2644	0.0745	0.0334	0.5524
drug-16	0.1862	0.2325	0.1862	0.0979	0.6005
drug-17	0.1862	0.2325	0.1862	0.0409	0.6789
drug-18	0.9702	0.0021	0.9919	0.0000	0.0077
drug-19	0.0532	0.2705	0.0532	0.0118	0.5336
drybean	0.9192	0.0231	0.9192	0.9023	0.1290
ecoli	0.5683	0.1130	0.5653	0.2817	0.2356
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5537	0.0558	0.5537	0.5078	0.5443
eeg-eye	0.9246	0.0754	0.9246	0.8473	0.3566
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7518	0.4916
er_tox_rdkit_ATOMPAIR	0.8361	0.1639	0.8361	0.3207	0.4238
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.7157	0.4929
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7794	0.4574
er_tox_rdkit_MACCS	0.9032	0.0968	0.9032	0.4609	0.5000
er_tox_rdkit_MORGAN	0.8548	0.1452	0.8548	0.3497	0.4422
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9344	0.0656	0.9344	0.8424	0.3579
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.3497	0.4422
eucalyptus	0.7123	0.1151	0.7123	0.6302	0.2811
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	1.0000	0.0220	0.9773	0.9799	0.1413
fbis-wc	0.8618	0.0163	0.8618	0.8421	0.0979
fda.atompair_fp	0.5000	0.5000	0.5000	-0.1980	0.9394
fertility	0.5000	0.5000	0.5000	-0.1905	0.5180
flags	0.5000	0.1250	0.5000	0.4269	0.2792
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.5411	0.0060	0.5494	0.4973	0.5414
forest	0.9038	0.0481	0.9038	0.8675	0.1339
gas	0.9942	0.0019	0.9942	0.9930	0.0141
gastrointestinal	0.9375	0.0417	0.9375	0.8954	0.0827
gender	0.4842	0.3439	0.4842	0.1292	0.7424
gene	0.9464	0.0358	0.9464	0.9138	0.1712
german	0.6700	0.3300	0.6700	0.2795	0.8673
gina	0.9597	0.0403	0.9597	0.9193	0.2269
glass	0.7143	0.0952	0.7143	0.6480	0.1433
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.6000	0.2000	0.6000	0.4675	0.4163
haberman	0.7333	0.2667	0.7333	0.3684	0.7853
hapt	0.9680	0.0053	0.9680	0.9622	0.0471
har70	0.9091	0.0232	0.9109	0.8678	0.1194
harth10%	0.8444	0.0254	0.8495	0.8009	0.2097
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9333	0.0667	0.9333	0.8661	0.3279
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8118	0.1967	0.7972	0.6068	0.6096
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5580	0.4458	0.5465	0.0529	0.5800
higher	0.2857	0.1786	0.2857	0.1667	0.2411
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8921	0.1079	0.8921	0.6766	0.5462
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.7222	0.1852	0.7222	0.5522	0.5361
htru2	0.9654	0.0346	0.9654	0.8067	0.4171
ht-sensor	1.0000	0.0001	0.9933	1.0000	0.0015
hypothyroid	0.6605	0.1698	0.6605	0.2809	0.1549
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6441	0.3559	0.6441	0.2725	0.7954
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9191	0.0062	0.9191	0.9159	0.0684
jm1	0.6841	0.3159	0.6841	0.2701	0.7140
fvowels	0.9779	0.0049	0.9779	0.9750	0.0388
kc1	0.6919	0.3081	0.6919	0.2373	0.6718
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.6290	0.0303	0.6397	0.0000	0.1532
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.4536	0.6691
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8649	0.0150	0.8649	0.8492	0.1663
krvskp	0.9875	0.0125	0.9875	0.9749	0.0814
la1s-wc	0.8794	0.0402	0.8794	0.8474	0.1971
la2s-wc	0.9073	0.0309	0.9073	0.8828	0.1606
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.7353	0.0132	0.7353	0.7213	0.0621
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9570	0.0033	0.9570	0.9553	0.0513
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8611	0.0185	0.8611	0.8509	0.0619
linkage10%	1.0000	0.0001	0.9900	1.0000	0.0206
liver	0.8529	0.1471	0.8529	0.6559	0.5765
localization	0.7330	0.0505	0.7140	0.6438	0.3508
lrs	0.5427	0.0926	0.5390	0.3590	0.1885
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7760	0.1049	0.7979	0.5768	0.2748
lymphoma2	0.4409	0.1243	0.4454	0.0623	0.2452
madelon	0.7846	0.2154	0.7846	0.5692	0.6916
magic04	0.8759	0.1241	0.8759	0.7308	0.5200

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5839	0.6742
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7740	0.3393
messidor	0.6696	0.3304	0.6696	0.3338	0.8560
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0417
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1479
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0379
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.1943
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0353
mfeat-zer	0.8100	0.0380	0.8100	0.7889	0.1071
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4093	0.4213
mobile	0.9476	0.0019	0.9476	0.9466	0.0246
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9508	0.0492	0.9508	0.8898	0.2625
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.8124	0.3940
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7723
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4690	0.7682
MUT_ci300400a	0.8697	0.1303	0.8697	0.7341	0.5189
MUT_ci300400a_cdk_ECFP2	0.8333	0.1667	0.8333	0.6583	0.6040
myocardial	0.2941	0.1765	0.2941	0.1153	0.4764
naticusdroid	0.9720	0.0280	0.9720	0.9441	0.1718
nci9	0.6667	0.0741	0.6667	0.6250	0.0000
ncRNA10%	0.9250	0.0092	0.9172	0.7624	0.4353
newspop	0.6705	0.3295	0.6705	0.3352	0.8568
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9611	0.0389	0.9611	0.9063	0.2629
NPHA-doctor-visits	0.3472	0.4352	0.3472	-0.0098	0.7575
nursery	0.9931	0.0028	0.9931	0.9898	0.0148
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9770	0.1018
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9109	0.0178	0.9109	0.8982	0.0959
oh10-wc	0.8000	0.0400	0.8000	0.7727	0.1901
oh15-wc	0.8370	0.0326	0.8370	0.8134	0.1481
oh5-wc	0.8462	0.0308	0.8462	0.8263	0.1508
opn310k	0.9125	0.0784	0.9457	0.4555	0.5439
opnat310k-hg16-17	0.9019	0.0909	0.9260	0.0384	0.2482
optdigits	0.9662	0.0068	0.9662	0.9624	0.0490
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.1107	0.8893	0.1107	0.0060	0.1028
ozone8hr	0.9091	0.0909	0.9091	0.3898	0.6445
p53-mutants10%	0.0350	0.9650	0.0350	0.0002	0.0094
page-blocks	0.9104	0.0358	0.9104	0.6508	0.4561

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9081	0.0753	0.9183	0.8125	0.3956
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.7748	0.2252	0.7748	0.1964	0.5167
pcmac	0.5000	0.5000	0.5000	0.0184	0.9685
pd	0.9211	0.0789	0.9211	0.7647	0.2161
pediatric-leukemia	0.7647	0.0672	0.7647	0.7059	0.1913
pendigits	0.9909	0.0018	0.9909	0.9899	0.0172
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8557	0.1443	0.8557	0.6761	0.5708
P-Glycoprotein_b_Substrate	0.7200	0.2800	0.7200	0.4400	0.7788
P-Glycoprotein_c_RDkit_AtomPair_FP	0.9048	0.0952	0.9048	0.8099	0.4016
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.9019	0.0981	0.9019	0.7740	0.4586
phy	0.7120	0.2880	0.7120	0.4239	0.8045
pima	0.7237	0.2763	0.7237	0.3899	0.7718
plrx	0.6111	0.3889	0.6111	0.1818	0.8366
poker	0.7715	0.0444	0.7826	0.5888	0.1748
polish-1st	0.0697	0.9303	0.0697	0.0026	0.1057
polish-2nd	0.8791	0.1209	0.8791	0.2517	0.4785
polish-3rd	0.8105	0.1895	0.8105	0.1801	0.4364
polish-4th	0.1408	0.8592	0.1408	0.0107	0.1495
polish-5th	0.8697	0.1303	0.8697	0.3943	0.5666
polya	0.7946	0.2054	0.7946	0.5285	0.6673
popularity	0.1909	0.5394	0.1909	0.0777	0.4694
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9923	0.0042	0.9795	0.9892	0.0316
pred-tox_mutagen_ref-desc	0.7353	0.2647	0.7353	0.4706	0.7723
primary-tumor	0.0914	0.0815	0.0916	-0.0551	0.3601
profb	0.7015	0.2985	0.7015	0.2136	0.7942
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9861	0.0032	0.9757	0.9945	0.0252
pufs-6410%	0.5071	0.4901	0.4974	0.0011	0.9680
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.8733	0.0195	0.8733	0.8344	0.1737
re1-wc	0.7349	0.0212	0.7349	0.7038	0.1724
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6981	0.3019	0.6981	0.3757	0.8289
RT_IOT2022	0.9990	0.0007	1.0000	0.9746	0.0056
satimage	0.9036	0.0321	0.9036	0.8809	0.1574
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9393	0.0607	0.9393	0.5839	0.3617
scadi	0.4301	0.1670	0.4191	0.2587	0.2788
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.2628	0.7372	0.2628	0.0042	0.2558
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.1938	0.8062	0.1938	0.0205	0.1877
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.7079	0.2921	0.7079	0.1671	0.6699
sens-2-gram	0.7842	0.2158	0.7842	0.3124	0.6766
sens-3-gram	0.7895	0.2105	0.7895	0.3122	0.6837
sens-4-gram	0.7737	0.2263	0.7737	0.1998	0.7237
sensorless	0.9993	0.0001	0.9993	0.9992	0.0016
sepsis	0.9143	0.0923	0.9150	0.0000	0.2072
shoppers	0.8605	0.1395	0.8605	0.5612	0.6186
shuttle	0.9929	0.0020	0.9929	0.9804	0.0432
sick	0.9788	0.0212	0.9788	0.8348	0.3585
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9920	0.0005	0.9921	0.9872	0.0104
smk_can_187	0.6842	0.3158	0.6842	0.3596	0.8222
solar-flare	0.7122	0.0959	0.7122	0.6427	0.2712
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	0.9853	0.0015	0.9853	0.9839	0.0114
spambase	0.9478	0.0522	0.9478	0.8905	0.2767
spect	0.7037	0.2963	0.7037	0.3684	0.6735
spectf	0.8857	0.1143	0.8857	0.7200	0.5179
spectrometer	0.1308	0.0357	0.1334	0.0505	0.3293
splice-EI	0.9685	0.0315	0.9685	0.9150	0.1989
splice-IE	0.9274	0.0726	0.9274	0.7864	0.3477
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8000	0.2000	0.8000	0.5150	0.6404
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.9158	0.0561	0.9158	0.8638	0.2127
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8205	0.1795	0.8205	0.6192	0.6330
steel-p	0.9179	0.0821	0.9179	0.2948	0.5925
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9692	0.0308	0.9692	0.8467	0.3920
studentap	0.5385	0.3077	0.5385	0.2909	0.5610
student-weekend	0.2462	0.3015	0.2462	0.0136	0.6993
student-workday	0.2812	0.2875	0.2812	0.0606	0.6193
susy10%	0.7580	0.2313	0.7756	0.5195	0.7281
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9745	0.0046	0.9745	0.9719	0.0355
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.4894	0.5106	0.4894	0.0754	0.5699
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9220	0.0920	0.9271	0.7395	0.4189
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8426	0.1448
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.6471	0.3529	0.6471	0.2273	0.8920
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5467	0.4533	0.5467	-0.0442	0.8684
trec11-wc	0.8537	0.0325	0.8537	0.8217	0.1364
trec12-wc	0.8065	0.0484	0.8065	0.7643	0.1196

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6832	0.3080
trec23-wc	0.8571	0.0476	0.8571	0.7872	0.1109
trec31-wc	0.9247	0.0215	0.9247	0.9003	0.0933
trec41-wc	0.8864	0.0227	0.8864	0.8590	0.1043
trec45-wc	0.9275	0.0145	0.9275	0.9151	0.0552
tuandromd	0.9888	0.0112	0.9888	0.9659	0.1408
turkish	0.8000	0.1000	0.8000	0.7333	0.2335
tvnews	0.9673	0.0537	0.9512	0.8973	0.2769
urban	0.8209	0.0398	0.8209	0.7899	0.1487
vehicle	0.7857	0.1071	0.7857	0.7090	0.2100
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5758	0.0771	0.5758	0.5333	0.2309
vowelZ	0.9192	0.0808	0.9192	0.1852	0.1938
vrnormat310k-hg16-17	0.9276	0.0904	0.9201	0.0012	0.2398
wap-wc	0.8141	0.0186	0.8141	0.7907	0.1063
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9898	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	0.9942	0.0002	1.0000	0.9850	0.0023
waveform	0.8520	0.0987	0.8520	0.7780	0.3485
web-phishing	0.8593	0.0938	0.8593	0.7496	0.4013
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0024
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.3648	0.2117	0.3648	0.1653	0.7205
winequality-white	0.0941	0.2588	0.0941	0.0504	0.5504
winnipeg	0.9919	0.0064	0.9858	0.9654	0.0481
yale	0.7500	0.0333	0.7500	0.7322	0.0687
yeast	0.5946	0.0811	0.5946	0.4950	0.4598
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9409	0.0118	0.9409	0.9337	0.0943
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 141: Detailed results for EcuBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1184	0.0620	0.1190	0.0136	0.3461
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.3014	0.6986	0.3014	0.0372	0.1817
accelerometer	0.9853	0.0147	0.9853	0.2948	0.0525
ads	0.9695	0.0305	0.9695	0.8780	0.3159
adult	0.8100	0.1900	0.8100	0.5478	0.6477
AID1284Morered	0.8889	0.1111	0.8889	0.3010	0.2451
AID1284red	0.8889	0.1111	0.8889	0.3010	0.2451
AID_1431	0.0952	0.9048	0.0952	0.0015	0.2134
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.4563	0.5437	0.4563	0.0217	0.2934
AID_1878	0.6667	0.3333	0.6667	0.1661	0.7494
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.0030	0.9970	0.0030	0.0000	0.0086
AID600_MACCS	0.7568	0.2432	0.7568	0.5008	0.7433
AID_602330	0.4167	0.5833	0.4167	0.0204	0.2073
AID604	1.0000	0.0036	0.9754	0.0000	0.0160
AID604AID644_AllRed	0.0025	0.9975	0.0025	0.0000	0.0029
AID644Morered	0.6500	0.3500	0.6500	0.0278	0.9068
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8889	0.0741	0.8889	0.1398	0.1423
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.0092	0.9908	0.0092	0.0000	0.0260
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9946	0.0054	0.9946	0.1990	0.0229
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8154	0.1846	0.8154	0.5244	0.6822
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9805	0.0097	0.9805	0.9627	0.0473
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9875	0.0031	0.9875	0.9794	0.0524
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0416
aps-failure	0.9416	0.0584	0.9416	0.3577	0.4306
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6101	0.0593	0.6150	0.2354	0.2149
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.3474	0.0542	0.3503	0.1546	0.2424
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9823	0.0030	0.9823	0.9770	0.1017
balance	0.7903	0.1398	0.7903	0.6523	0.3690
bank	0.8519	0.1481	0.8519	0.5075	0.5707
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9009	0.0991	0.9009	0.7784	0.4032
basehock	0.9849	0.0151	0.9849	0.9698	0.1051
bio	0.9865	0.0030	1.0000	0.8031	0.1155
biodeg	0.8857	0.1143	0.8857	0.7623	0.4811
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9640	0.0000	0.9870	0.1520	0.3271
block10%	0.9988	0.0000	0.9917	0.9878	0.0003
block10%	0.9988	0.0000	0.9917	0.9878	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.3368	0.7643
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9067	0.0893	0.9014	0.0330	0.2336
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7363	0.5066
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9598	0.0201	0.9598	0.9160	0.1671
card	0.9275	0.0725	0.9275	0.8506	0.3457
cardiotocography	0.8592	0.0282	0.8592	0.8307	0.1696
cardiotocography-nsp	0.9249	0.0501	0.9249	0.8019	0.3348
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6555	0.4186
cas_N6512_cdk_ECFP2	0.7865	0.2135	0.7865	0.5715	0.6894
cdc_diabetes	0.8374	0.1006	0.8676	0.1537	0.2853
census10%	0.9387	0.0466	0.9661	0.4362	0.3716
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.8140	0.1860	0.8140	0.1236	0.5157
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9070	0.0930	0.9070	0.5043	0.6240
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	1.0000	0.0002	0.9870	0.9006	0.0674
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2174	0.8234
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6923	0.5642
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7304	0.5155
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.6947	0.3053	0.6947	0.3816	0.8069
cirrhosis	0.7619	0.1587	0.7619	0.5227	0.4774
cjs	0.9714	0.0095	0.9714	0.9652	0.0407
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8037	0.0981	0.8037	0.7037	0.4467
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.5800	0.4200	0.5800	-0.0825	0.5440
cmc	0.5510	0.2993	0.5510	0.3142	0.7018
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0727
codon_usage	0.8150	0.0336	0.8150	0.7799	0.3138
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3895	0.8063
colposcopies-2	0.7586	0.2414	0.7586	0.4377	0.6462
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.5862	0.4138	0.5862	0.0387	0.9049

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.5862	0.4138	0.5862	0.2564	0.4770
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.7931	0.2069	0.7931	0.4852	0.7092
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9828	0.0114	0.9828	0.6180	0.4452
cottonmeloidogyne	0.7668	0.2332	0.7668	0.5343	0.7052
coupon	0.7673	0.2326	0.7673	0.5278	0.7250
covtype	0.9843	0.0114	0.9557	0.9485	0.1079
covtypeCD	0.9911	0.0089	0.9911	0.9615	0.0844
covtypeT	0.9774	0.0226	0.9774	0.8426	0.3894
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.4864	0.6704
crowdsourced	0.9539	0.0154	0.9539	0.9055	0.1867
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5171	0.0797
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8519	0.1481	0.8519	0.6971	0.5615
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7570	0.2430	0.7570	0.3803	0.7500
deposit	0.8505	0.1495	0.8505	0.5024	0.5873
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.5043	0.7386
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5819	0.2835	0.5668	0.1613	0.5336
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5667	0.4470	0.5586	0.1102	0.9577
dropout	0.7652	0.1565	0.7652	0.6197	0.4662
drug-01	0.1915	0.2310	0.1915	-0.0133	0.9027
drug-02	0.3883	0.1748	0.3883	0.1720	0.8173
drug-03	0.5691	0.1231	0.5691	0.0887	0.7049
drug-04	0.3723	0.1793	0.3723	0.1346	0.8212
drug-05	0.6596	0.0973	0.6596	-0.0506	0.7341
drug-06	0.3936	0.1733	0.3936	0.2395	0.5946
drug-07	0.2394	0.2173	0.2394	0.0296	0.8284
drug-08	0.4149	0.1672	0.4149	0.1747	0.7792
drug-09	0.8670	0.0380	0.8670	0.0911	0.2203
drug-10	0.4149	0.1672	0.4149	0.1735	0.7141
drug-11	0.8085	0.0547	0.8085	0.0903	0.7070
drug-12	0.7447	0.0729	0.7447	0.0606	0.6294
drug-13	0.5319	0.1337	0.5319	0.2568	0.7406
drug-14	0.5426	0.1307	0.5426	0.3075	0.7343
drug-15	0.6862	0.0897	0.6862	0.1587	0.8392
drug-16	0.4734	0.1505	0.4734	0.2580	0.7373
drug-17	0.2766	0.2067	0.2766	0.0855	0.8320
drug-18	1.0000	0.0022	0.9815	0.0000	0.0078
drug-19	0.6968	0.0866	0.6968	0.1116	0.7306
drybean	0.9170	0.0237	0.9170	0.8996	0.1305
ecoli	0.5490	0.1097	0.5592	0.2703	0.2388
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5463	0.0567	0.5463	0.4973	0.5213
eeg-eye	0.9259	0.0741	0.9259	0.8500	0.3516
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7518	0.4916
er_tox_rdkit_ATOMPAIR	0.8197	0.1803	0.8197	0.2959	0.4064
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.7157	0.4929
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.7135	0.5115
er_tox_rdkit_MACCS	0.9032	0.0968	0.9032	0.4609	0.5000
er_tox_rdkit_MORGAN	0.8548	0.1452	0.8548	0.2520	0.4923
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9344	0.0656	0.9344	0.8424	0.3579
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.3497	0.4422
eucalyptus	0.6712	0.1315	0.6712	0.5764	0.3569
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9920	0.0213	0.9595	0.9474	0.1403
fbis-wc	0.8293	0.0201	0.8293	0.8054	0.1310
fda.atompair_fp	0.5000	0.5000	0.5000	-0.1980	0.9394
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.6500	0.0875	0.6500	0.5808	0.1528
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.5401	0.0060	0.5325	0.5182	0.5467
forest	0.9038	0.0481	0.9038	0.8675	0.1339
gas	0.9935	0.0022	0.9935	0.9921	0.0167
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5453	0.3032	0.5453	0.1529	0.7497
gene	0.9338	0.0442	0.9338	0.8946	0.1998
german	0.6700	0.3300	0.6700	0.2699	0.8712
gina	0.9597	0.0403	0.9597	0.9193	0.2269
glass	0.8095	0.0635	0.8095	0.7515	0.1865
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.6000	0.2000	0.6000	0.4737	0.4546
haberman	0.7333	0.2667	0.7333	0.3684	0.7853
hapt	0.9378	0.0104	0.9378	0.9266	0.0826
har70	0.9339	0.0229	0.9193	0.8855	0.1179
harth10%	0.8289	0.0255	0.8400	0.7970	0.2071
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8205	0.1951	0.7954	0.6113	0.6018
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5475	0.4571	0.5654	0.0527	0.5879
higher	0.2143	0.1964	0.2143	0.1098	0.3197
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8921	0.1079	0.8921	0.6723	0.5535
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.7222	0.1852	0.7222	0.5194	0.5048
htru2	0.9687	0.0313	0.9687	0.8227	0.3926
ht-sensor	0.9969	0.0002	1.0000	1.0000	0.0016
hypothyroid	0.9788	0.0106	0.9788	0.8817	0.2377
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6610	0.3390	0.6610	0.2968	0.7919
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9255	0.0057	0.9255	0.9226	0.0670
jm1	0.6832	0.3168	0.6832	0.2689	0.7139
fvowels	0.9880	0.0027	0.9880	0.9864	0.0215
kc1	0.6825	0.3175	0.6825	0.2263	0.6685
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.6374	0.0305	0.6352	0.0000	0.1544
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.4536	0.6691
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8727	0.0141	0.8727	0.8581	0.2401
krvskp	0.9906	0.0094	0.9906	0.9812	0.0652
la1s-wc	0.8698	0.0434	0.8698	0.8378	0.2194
la2s-wc	0.9139	0.0287	0.9139	0.8919	0.1687
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5434	0.1041
led24	0.6500	0.0700	0.6500	0.6056	0.1527
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8925	0.0083	0.8925	0.8881	0.1054
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6944	0.0407	0.6944	0.6722	0.1081
linkage10%	1.0000	0.0001	0.9836	0.9897	0.0207
liver	0.7941	0.2059	0.7941	0.5182	0.7036
localization	0.7106	0.0503	0.7334	0.6441	0.3538
lrs	0.5373	0.0915	0.5527	0.3626	0.1849
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7937	0.1052	0.7755	0.5657	0.2690
lymphoma2	0.4513	0.1232	0.4413	0.0613	0.2383
madelon	0.8038	0.1962	0.8038	0.6077	0.6570
magic04	0.8753	0.1247	0.8753	0.7296	0.5214

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5839	0.6742
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7600	0.3356
messidor	0.6696	0.3304	0.6696	0.3308	0.8589
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0480
mfeat-fou	0.8050	0.0390	0.8050	0.7833	0.1540
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0376
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.2011
mfeat-pix	0.9850	0.0030	0.9850	0.9833	0.0187
mfeat-zer	0.7250	0.0550	0.7250	0.6944	0.1917
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4832	0.3939
mobile	0.9685	0.0011	0.9685	0.9680	0.0144
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9344	0.0656	0.9344	0.8548	0.3422
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9515	0.0485	0.9515	0.8174	0.3850
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9723
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7238
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.5008	0.7391
MUT_ci300400a	0.8622	0.1378	0.8622	0.7190	0.5372
MUT_ci300400a_cdk_ECFP2	0.8273	0.1727	0.8273	0.6461	0.6165
myocardial	0.8941	0.0265	0.8941	0.4982	0.0918
naticusdroid	0.9731	0.0269	0.9731	0.9461	0.1668
nci9	0.5000	0.1111	0.5000	0.4194	0.1042
ncRNA10%	0.9299	0.0094	0.9166	0.7373	0.4426
newspop	0.6736	0.3264	0.6736	0.3413	0.8533
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9617	0.0383	0.9617	0.9077	0.2603
NPHA-doctor-visits	0.3472	0.4352	0.3472	-0.0242	0.8047
nursery	0.9745	0.0102	0.9745	0.9631	0.0885
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9770	0.1018
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9729	0.0149
oh0-wc	0.9604	0.0079	0.9604	0.9549	0.0535
oh10-wc	0.7714	0.0457	0.7714	0.7426	0.2045
oh15-wc	0.9022	0.0196	0.9022	0.8898	0.1077
oh5-wc	0.8462	0.0308	0.8462	0.8280	0.1352
opn310k	0.9073	0.0772	0.9288	0.4454	0.5636
opnat310k-hg16-17	0.9173	0.0905	0.9165	0.0382	0.2430
optdigits	0.9698	0.0060	0.9698	0.9664	0.0428
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.1581	0.8419	0.1581	0.0102	0.1079
ozone8hr	0.9051	0.0949	0.9051	0.3774	0.6476
p53-mutants10%	0.1274	0.8726	0.1274	0.0009	0.0104
page-blocks	0.9708	0.0117	0.9708	0.8517	0.2983

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9188	0.0765	0.9053	0.8262	0.4017
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.7838	0.2162	0.7838	0.2492	0.5045
pcmac	0.4897	0.5103	0.4897	0.0015	0.9714
pd	0.9211	0.0789	0.9211	0.7647	0.2161
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9909	0.0018	0.9909	0.9899	0.0159
period	0.4444	0.5556	0.4444	0.0000	0.8722
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8711	0.1289	0.8711	0.7119	0.5337
P-Glycoprotein_b_Substrate	0.7400	0.2600	0.7400	0.4800	0.7557
P-Glycoprotein_c_RDkit_AtomPair_FP	0.9127	0.0873	0.9127	0.8259	0.3676
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9714	0.0286	0.9714	0.9404	0.1844
phoneme	0.9074	0.0926	0.9074	0.7864	0.4433
phy	0.7126	0.2874	0.7126	0.4251	0.8035
pima	0.6974	0.3026	0.6974	0.3235	0.8000
plx	0.5556	0.4444	0.5556	0.0137	0.9013
poker	0.7677	0.0443	0.7889	0.5871	0.1757
polish-1st	0.1351	0.8649	0.1351	0.0085	0.1127
polish-2nd	0.8623	0.1377	0.8623	0.2380	0.4488
polish-3rd	0.7438	0.2562	0.7438	0.1262	0.3735
polish-4th	0.1949	0.8051	0.1949	0.0184	0.1578
polish-5th	0.8545	0.1455	0.8545	0.3704	0.5484
polya	0.7881	0.2119	0.7881	0.5149	0.6841
popularity	0.6711	0.2193	0.6711	0.3190	0.6673
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9929	0.0042	0.9870	0.9759	0.0309
pred-tox_mutagen_ref-desc	0.7353	0.2647	0.7353	0.4706	0.7723
primary-tumor	0.0909	0.0839	0.0931	-0.0536	0.3661
profb	0.7015	0.2985	0.7015	0.2136	0.7942
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9901	0.0032	0.9782	0.9993	0.0248
pufs-6410%	0.5063	0.4907	0.4988	0.0011	0.9658
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.8267	0.0267	0.8267	0.7770	0.2262
re1-wc	0.7952	0.0164	0.7952	0.7672	0.1496
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7112	0.2888	0.7112	0.4037	0.8116
RT_IOT2022	0.9861	0.0007	0.9817	0.9790	0.0056
satimage	0.9051	0.0316	0.9051	0.8831	0.1627
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9393	0.0607	0.9393	0.5839	0.3617
scadi	0.4384	0.1612	0.4251	0.2601	0.2739
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.2436	0.7564	0.2436	-0.0141	0.2717
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9654	0.0099	0.9654	0.9595	0.0376
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.2907	0.7093	0.2907	0.0223	0.2474
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.6947	0.3053	0.6947	0.1530	0.6632
sens-2-gram	0.7842	0.2158	0.7842	0.3038	0.6822
sens-3-gram	0.7895	0.2105	0.7895	0.3122	0.6837
sens-4-gram	0.7711	0.2289	0.7711	0.1735	0.7317
sensorless	0.9969	0.0006	0.9969	0.9966	0.0065
sepsis	0.9185	0.0895	0.9117	0.0000	0.2100
shoppers	0.8605	0.1395	0.8605	0.5628	0.6168
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8405	0.3764
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9938	0.0005	1.0000	0.9938	0.0103
smk_can_187	0.7368	0.2632	0.7368	0.4633	0.6993
solar-flare	0.6619	0.1127	0.6619	0.5807	0.2874
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	0.9706	0.0031	0.9706	0.9677	0.0187
spambase	0.9478	0.0522	0.9478	0.8905	0.2767
spect	0.7037	0.2963	0.7037	0.3684	0.6735
spectf	0.8857	0.1143	0.8857	0.7200	0.5179
spectrometer	0.1310	0.0358	0.1351	0.0509	0.3234
splice-EI	0.9685	0.0315	0.9685	0.9150	0.1989
splice-IE	0.9211	0.0789	0.9211	0.7678	0.3777
sport-articles	0.8500	0.1500	0.8500	0.6764	0.5756
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.7897	0.2103	0.7897	0.4901	0.6570
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9138	0.0575	0.9138	0.8608	0.2076
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8205	0.1795	0.8205	0.6192	0.6330
steel-p	0.9231	0.0769	0.9231	0.3623	0.5753
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9692	0.0308	0.9692	0.8467	0.3920
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.2769	0.2892	0.2769	0.0694	0.7179
student-workday	0.7188	0.1125	0.7188	0.3191	0.4991
susy10%	0.7689	0.2344	0.7800	0.5272	0.7120
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.7500	0.2500	0.7500	0.3622	0.7597
texture	0.9709	0.0053	0.9709	0.9679	0.0404
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.4681	0.5319	0.4681	0.0623	0.5636
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9201	0.0913	0.9200	0.7369	0.4162
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.5294	0.4706	0.5294	-0.0303	0.9755
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5467	0.4533	0.5467	-0.0442	0.8684
trec11-wc	0.9268	0.0163	0.9268	0.9098	0.0238
trec12-wc	0.9355	0.0161	0.9355	0.9228	0.0528

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9048	0.0317	0.9048	0.8618	0.0774
trec31-wc	0.9462	0.0154	0.9462	0.9291	0.0660
trec41-wc	0.9659	0.0068	0.9659	0.9586	0.0493
trec45-wc	0.9130	0.0174	0.9130	0.8984	0.0799
tuandromd	0.9888	0.0112	0.9888	0.9659	0.1408
turkish	0.8250	0.0875	0.8250	0.7667	0.2210
tvnews	0.9337	0.0546	0.9346	0.8766	0.2802
urban	0.8209	0.0398	0.8209	0.7908	0.1661
vehicle	0.7262	0.1369	0.7262	0.6335	0.2075
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6667	0.0606	0.6667	0.6333	0.1649
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9252	0.0925	0.9130	0.0012	0.2434
wap-wc	0.7885	0.0212	0.7885	0.7659	0.1166
warpar10p	0.8462	0.0308	0.8462	0.8278	0.0487
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	1.0000	0.0002	1.0000	0.9796	0.0024
watch-gyr10%	1.0000	0.0002	1.0000	1.0000	0.0022
waveform	0.8400	0.1067	0.8400	0.7600	0.3625
web-phishing	0.8741	0.0840	0.8741	0.7773	0.3421
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5723	0.1426	0.5723	0.3992	0.6375
winequality-white	0.5153	0.1385	0.5153	0.3636	0.6813
winnipeg	0.9900	0.0062	0.9869	0.9779	0.0478
yale	0.8750	0.0167	0.8750	0.8655	0.0275
yeast	0.5743	0.0851	0.5743	0.4629	0.4634
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.9484	0.0103	0.9484	0.9421	0.0834
zoo	0.7000	0.0857	0.7000	0.6341	0.0493

Table 142: Detailed results for RBBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0000	0.0000	0.0000	-1.0000	0.0000
abalone19	0.9211	0.0789	0.9211	-0.0132	0.1551
abalone9-18	0.6027	0.3973	0.6027	0.1313	0.2755
accelerometer	0.7984	0.2016	0.7984	0.1095	0.2029
ads	0.7073	0.2927	0.7073	0.3393	0.5284
adult	0.5416	0.4584	0.5416	0.2334	0.5366
AID1284Morered	0.3889	0.6111	0.3889	0.0458	0.4886
AID1284red	0.4722	0.5278	0.4722	0.0229	0.5722
AID_1431	0.3492	0.6508	0.3492	-0.0313	0.3934
AID1608Morered	0.6505	0.3495	0.6505	0.0334	0.4296
AID1608red	0.4466	0.5534	0.4466	-0.0441	0.3191
AID_1878	0.2476	0.7524	0.2476	-0.0002	0.4926
AID362red	0.8902	0.1098	0.8902	0.0906	0.2530
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9888	0.0112	0.9888	0.0272	0.1434
AID439Morered	0.4286	0.5714	0.4286	-0.2727	0.6435
AID439red	0.1429	0.8571	0.1429	-0.3125	0.5942
AID456red	0.9820	0.0180	0.9820	0.0954	0.2676
AID600_MACCS	0.6216	0.3784	0.6216	0.3038	0.6799
AID_602330	0.2812	0.7188	0.2812	-0.0122	0.2010
AID604	0.3000	0.7000	0.3000	0.0030	0.0144
AID604AID644_AllRed	0.9987	0.0013	0.9987	-0.0005	0.5055
AID644Morered	0.2500	0.7500	0.2500	-0.3393	0.9122
AID644red	0.3500	0.6500	0.3500	-0.0833	0.8305
AID_652128	0.4747	0.3502	0.4747	0.0498	0.4449
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9879	0.0121	0.9879	0.0432	0.3364
AID688red	0.2218	0.7782	0.2218	0.0013	0.0422
AID721morered	0.3333	0.6667	0.3333	0.0690	0.4422
AID721red	0.3333	0.6667	0.3333	0.0690	0.4422
AID746AID1284red	0.9940	0.0060	0.9940	0.0510	0.2443
AID746red	0.2700	0.7300	0.2700	0.0025	0.0278
AID_773	0.2963	0.7037	0.2963	-0.1176	0.4919
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9791	0.0104	0.9791	0.9607	0.0873
anuran-f-b	0.9944	0.0056	0.9944	0.7474	0.5000
anuran-genus	0.9777	0.0056	0.9777	0.9636	0.1050
anuran-species	0.9833	0.0033	0.9833	0.9768	0.0384
aps-failure	0.9276	0.0724	0.9276	0.3017	0.3918
arcene	0.6500	0.3500	0.6500	0.3396	0.7400
arrhythmia	0.6667	0.0513	0.6667	0.5069	0.2443
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.0000	0.0000	0.0000	-1.0000	0.0000
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7386	0.1479
avila	0.8232	0.0295	0.8232	0.7812	0.0799
balance	0.7581	0.1613	0.7581	0.6144	0.3348
bank	0.7490	0.2510	0.7490	0.3536	0.5086
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.4401	0.5599	0.4401	0.0882	0.5685
basehock	0.9598	0.0402	0.9598	0.9196	0.2061
bio	0.5873	0.4127	0.5873	0.0238	0.0593
biodeg	0.6095	0.3905	0.6095	0.3028	0.6002
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.0000	0.0000	0.0000	-1.0000	0.1106
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.5357	0.4643	0.5357	0.1947	0.6875
breast-cancer-co	0.7273	0.2727	0.7273	0.4590	0.7617
breast-cancer-ma	0.5455	0.4545	0.5455	0.1538	0.5283
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.7000	0.0857	0.7000	0.5946	0.1534
bub10at310k-hg16-17	0.0000	0.0000	0.0000	-0.6102	0.0000
bze_3d_rdkit_descriptors	0.5854	0.4146	0.5854	0.1592	0.7417
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.5000	0.5000	0.5000	0.1579	0.5288
cancer	0.9855	0.0145	0.9855	0.9684	0.1146
car	0.9943	0.0029	0.9943	0.9877	0.0284
card	0.8841	0.1159	0.8841	0.7621	0.4822
cardiotocography	0.8310	0.0338	0.8310	0.7982	0.1980
cardiotocography-nsp	0.8592	0.0939	0.8592	0.6748	0.3032
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5397	0.4270
cas_N6512_cdk_ECFP2	0.4670	0.5330	0.4670	0.0101	0.5545
cdc_diabetes	0.3537	0.4309	0.3537	0.0746	0.4016
census10%	0.4736	0.5264	0.4736	0.0832	0.2473
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.9535	0.0465	0.9535	0.6895	0.5225
cervical-C	0.9186	0.0814	0.9186	0.1798	0.6596
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9186	0.0814	0.9186	0.5432	0.6013
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9922	0.0078	0.9922	0.1860	0.2492
ci100410h_MACCS	0.4375	0.5625	0.4375	0.0972	0.6140
ci200186.atompair_fp	0.6909	0.3091	0.6909	0.4350	0.5206
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6888	0.5682
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6347	0.5902
ci900367j_MACCS	0.6737	0.3263	0.6737	0.3775	0.7346
cirrhosis	0.7857	0.1429	0.7857	0.5882	0.4043
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7843	0.1079	0.7843	0.6835	0.4394
climate	0.8889	0.1111	0.8889	0.3415	0.6434
cil_sub_111	0.5000	0.3333	0.5000	0.1818	0.5088
cm1	0.7000	0.3000	0.7000	0.1573	0.5626
cmc	0.4762	0.3492	0.4762	0.2463	0.6070
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0515
codon_usage	0.7790	0.0402	0.7790	0.7365	0.2996
coil20	0.9792	0.0021	0.9792	0.9781	0.0147
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6552	0.3448	0.6552	0.3584	0.6899
colposcopies-2	0.4828	0.5172	0.4828	0.1068	0.7254
colposcopies-3	0.5517	0.4483	0.5517	0.1678	0.8198
colposcopies-4	0.3448	0.6552	0.3448	-0.2163	0.8809

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.5862	0.4138	0.5862	0.1122	0.6872
colposcopies-6	0.7586	0.2414	0.7586	0.5201	0.7027
colposcopies-c	0.4483	0.5517	0.4483	-0.0131	0.7882
column-2c	0.8710	0.1290	0.8710	0.7328	0.4308
column-3c	0.8065	0.1290	0.8065	0.6976	0.1878
connect-4	0.9839	0.0108	0.9839	0.7168	0.4870
cottonmeloidogyne	0.5697	0.4303	0.5697	0.1459	0.6629
coupon	0.5347	0.4653	0.5347	0.1481	0.7183
covtype	0.0000	0.0000	0.0000	-1.0000	0.0000
covtypeCD	0.9433	0.0567	0.9433	0.7929	0.4448
covtypeT	0.7184	0.2816	0.7184	0.2408	0.3934
cox2_cdk_ECFP2	0.4783	0.5217	0.4783	0.1388	0.5687
crowdsourced	0.7502	0.0833	0.7502	0.5615	0.4521
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2581	0.1444
cyclopentane	0.8148	0.1852	0.8148	0.6341	0.5842
cylinder-bands	0.6852	0.3148	0.6852	0.3872	0.7732
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	0.4286	0.5714	0.4286	0.0000	0.5288
default	0.2260	0.7740	0.2260	0.0009	0.4302
deposit	0.5928	0.4072	0.5928	0.2069	0.4360
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9167	0.0833	0.9167	0.8333	0.3792
dhfr_cdk_ECFP2	0.4079	0.5921	0.4079	0.0172	0.5239
diabetes	0.9231	0.0769	0.9231	0.8434	0.3145
diabetic10%	0.0000	0.0000	0.4137	-0.3391	0.0000
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.3333	0.5239
dlbcl-nih	0.2917	0.7083	0.2917	-0.2593	0.9595
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.4742	0.5258	0.4742	0.0024	0.5485
dropout	0.2573	0.4951	0.2573	0.0518	0.5621
drug-01	0.1755	0.2356	0.1755	0.0454	0.7802
drug-02	0.2287	0.2204	0.2287	0.0890	0.7030
drug-03	0.4521	0.1565	0.4521	0.1444	0.5997
drug-04	0.1489	0.2432	0.1489	0.0525	0.6867
drug-05	0.4362	0.1611	0.4362	0.0193	0.8233
drug-06	0.1649	0.2386	0.1649	0.0736	0.5979
drug-07	0.2234	0.2219	0.2234	0.0442	0.5801
drug-08	0.3191	0.1945	0.3191	0.0947	0.7055
drug-09	0.6277	0.1064	0.6277	0.0431	0.6591
drug-10	0.2128	0.2249	0.2128	0.0275	0.7262
drug-11	0.7128	0.0821	0.7128	0.0906	0.7110
drug-12	0.4947	0.1444	0.4947	0.1361	0.6477
drug-13	0.3723	0.1793	0.3723	0.1306	0.7101
drug-14	0.3670	0.1809	0.3670	0.1792	0.6947
drug-15	0.4628	0.1535	0.4628	0.0938	0.7585
drug-16	0.2766	0.2067	0.2766	0.1301	0.5685
drug-17	0.1223	0.2508	0.1223	0.0300	0.7187
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.5053	0.1413	0.5053	0.0843	0.5079
drybean	0.9214	0.0225	0.9214	0.9048	0.1228
ecoli	0.7941	0.0515	0.7941	0.7167	0.1577
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.7576	0.2424	0.7576	0.2281	0.5602
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1524	0.1060	0.1524	0.1233	0.5474
eeg-eye	0.4993	0.5007	0.4993	0.0820	0.5500
EPA_FHM	0.9016	0.0984	0.9016	0.4521	0.5879
er_lit_cdk_ECFP2	0.5128	0.4872	0.5128	0.1512	0.6901
er_tox_cdk_ECFP2	0.7000	0.3000	0.7000	0.4175	0.7160
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.5104	0.5170
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7794	0.4574
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8548	0.1452	0.8548	0.3497	0.4422
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9626	0.1355
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.3893	0.7459
er_tox_rdkit_TORSION	0.8871	0.1129	0.8871	0.3155	0.5373
eucalyptus	0.6164	0.1534	0.6164	0.5220	0.3540
euthyroid	0.9620	0.0380	0.9620	0.7914	0.4093
exon.vs.intron-freq	0.0000	0.0000	0.0949	-1.0000	0.0000
fbis-wc	0.7642	0.0277	0.7642	0.7353	0.1626
fda.atompair_fp	0.2727	0.7273	0.2727	-0.0602	0.6895
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.3000	0.1750	0.3000	0.2000	0.3287
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.0000	0.0000	0.0000	-1.0000	0.0000
forest	0.7308	0.1346	0.7308	0.6431	0.1524
gas	0.9842	0.0053	0.9842	0.9808	0.0318
gastrointestinal	0.5625	0.2917	0.5625	0.3946	0.3342
gender	0.2947	0.4702	0.2947	0.0808	0.6254
gene	0.9085	0.0610	0.9085	0.8553	0.2522
german	0.4700	0.5300	0.4700	0.1107	0.6973
gina	0.5965	0.4035	0.5965	0.2051	0.6021
glass	0.5238	0.1587	0.5238	0.3769	0.2726
glassBWFP	0.8571	0.1429	0.8571	0.7175	0.4205
glassBWNFP	0.6190	0.3810	0.6190	0.2500	0.8271
glassContainers	0.9545	0.0455	0.9545	0.7755	0.4644
glass-g2	0.5625	0.4375	0.5625	0.2432	0.5307
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.6786	0.3214	0.6786	0.4000	0.5964
green	0.6000	0.4000	0.6000	0.3103	0.5288
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.2667	0.3667	0.2667	0.1033	0.4564
haberman	0.6333	0.3667	0.6333	0.2667	0.7572
hapt	0.8344	0.0276	0.8344	0.8049	0.0833
har70	0.0000	0.0000	0.0000	-1.0000	0.0000
harth10%	0.5978	0.0670	0.5978	0.4859	0.2604
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.5926	0.4074	0.5926	0.2326	0.8154
heart-c	0.7667	0.2333	0.7667	0.5455	0.4644
hepatitis	0.9333	0.0667	0.9333	0.8148	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.1858	0.0000	0.0000	-1.0000	0.0000
hERG-121inputs	0.5714	0.4286	0.5714	0.2759	0.5239
hERG-64inputs	0.5714	0.4286	0.5714	0.2759	0.5239
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.5500	0.4500	0.5500	0.1346	0.8335
higgs10%	0.0000	0.0000	0.0000	-0.5159	0.0000
higher	0.3571	0.1607	0.3571	0.2674	0.3051
hinselmann	0.4000	0.6000	0.4000	-0.0714	0.7225
hiv1-proteasa	0.7133	0.2867	0.7133	0.3652	0.5876
hiva	0.9007	0.0993	0.9007	-0.0014	0.5169
horse	0.4722	0.3519	0.4722	0.1828	0.6777
htru2	0.7872	0.2128	0.7872	0.3608	0.5046
ht-sensor	0.0000	0.0000	0.0000	-1.0000	0.0000
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5763	0.4237	0.5763	0.1819	0.8021
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8286	0.1714	0.8286	0.6535	0.4762
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8742	0.0097	0.8742	0.8692	0.0965
jm1	0.2498	0.7502	0.2498	0.0239	0.4218
fvowels	0.9669	0.0074	0.9669	0.9625	0.0574
kc1	0.4739	0.5261	0.4739	0.1317	0.4950
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.0000	0.0000	0.0000	-1.0000	0.0000
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7115	0.2885	0.7115	0.2986	0.7560
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8271	0.0192	0.8271	0.8077	0.1881
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.2340	0.0000	0.0000	-1.0000	0.0000
la2s-wc	0.0000	0.0000	0.0000	-1.0000	0.0000
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.0000	0.0000	0.0000	-1.0000	0.0000
led24	0.5000	0.1000	0.5000	0.4429	0.2003
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9385	0.0047	0.9385	0.9360	0.0679
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7500	0.0333	0.7500	0.7311	0.0923
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.5294	0.4706	0.5294	0.2206	0.5254
localization	0.2451	0.1373	0.2451	0.1891	0.6108
lrs	0.8113	0.0377	0.8113	0.7392	0.1194
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.7619	0.0952	0.7619	0.5227	0.2730
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7778	0.0651
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6981	0.0553
lupus	0.5556	0.4444	0.5556	0.1429	0.8961
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.5556	0.0988	0.5556	0.4375	0.1389
madelon	0.5077	0.4923	0.5077	0.0154	0.5278
magic04	0.5255	0.4745	0.5255	0.1987	0.5919

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7188	0.2812	0.7188	0.4462	0.7305
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6139	0.2574	0.6139	0.4397	0.4731
messidor	0.5565	0.4435	0.5565	0.1791	0.7319
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.7778	0.1111	0.7778	0.6923	0.1674
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0481
mfeat-fou	0.8000	0.0400	0.8000	0.7778	0.1675
mfeat-kar	0.9400	0.0120	0.9400	0.9333	0.0679
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.1999
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0568
mfeat-zer	0.7650	0.0470	0.7650	0.7389	0.1685
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5216	0.3474
mobile	0.8776	0.0044	0.8776	0.8754	0.0556
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.7541	0.2459	0.7541	0.5344	0.5068
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.6030	0.3970	0.6030	0.2559	0.4783
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.7559
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5072	0.4928	0.5072	0.0282	0.5283
mutagens_ExtendedFingerprinter	0.5588	0.4412	0.5588	0.1176	0.6547
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2588	0.8694
MUT_ci300400a	0.5677	0.4323	0.5677	0.2145	0.6049
MUT_ci300400a_cdk_ECFP2	0.4460	0.5540	0.4460	0.0409	0.5465
myocardial	0.8647	0.0338	0.8647	0.3278	0.2914
naticusdroid	0.9564	0.0436	0.9564	0.9127	0.2360
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.6573	0.0361	0.6573	0.4030	0.8163
newspop	0.4753	0.5247	0.4753	0.0126	0.5721
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9095	0.0905	0.9095	0.7948	0.4195
NPHA-doctor-visits	0.3194	0.4537	0.3194	0.0917	0.6435
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9784	0.0980
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0423
oh0-wc	0.8812	0.0238	0.8812	0.8647	0.1096
oh10-wc	0.7524	0.0495	0.7524	0.7218	0.2306
oh15-wc	0.7174	0.0565	0.7174	0.6857	0.1746
oh5-wc	0.7253	0.0549	0.7253	0.6943	0.2528
opn310k	0.0000	0.0000	0.0000	-1.0000	0.0000
opnat310k-hg16-17	0.0000	0.0000	0.0000	-0.6859	0.0000
optdigits	0.9644	0.0071	0.9644	0.9604	0.0509
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6500	0.0175	0.6500	0.6410	0.0675
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.7905	0.2095	0.7905	0.2041	0.3149
ozone8hr	0.7273	0.2727	0.7273	0.2068	0.4641
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8829	0.3445

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.5034	0.4966	0.5034	0.1990	0.5304
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.8468	0.1532	0.8468	0.3859	0.5322
pcmac	0.4433	0.5567	0.4433	0.0315	0.6262
pd	0.8947	0.1053	0.8947	0.7460	0.4845
pediatric-leukemia	0.8529	0.0420	0.8529	0.8255	0.1333
pendigits	0.9873	0.0025	0.9873	0.9858	0.0226
period	0.3333	0.6667	0.3333	0.0000	0.5000
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.6392	0.3608	0.6392	0.3333	0.6978
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8221
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3137	0.8348
Pgp_desc	0.5500	0.4500	0.5500	0.1509	0.8702
phishing	0.9714	0.0286	0.9714	0.9395	0.1524
phoneme	0.6481	0.3519	0.6481	0.3609	0.5884
phy	0.5162	0.4838	0.5162	0.0376	0.5446
pima	0.6842	0.3158	0.6842	0.4139	0.6020
plx	0.6667	0.3333	0.6667	0.2603	0.8271
poker	0.0000	0.0000	0.0000	-1.0000	0.0000
polish-1st	0.1693	0.8307	0.1693	-0.0101	0.1654
polish-2nd	0.1337	0.8663	0.1337	0.0023	0.1351
polish-3rd	0.1343	0.8657	0.1343	0.0016	0.1610
polish-4th	0.1949	0.8051	0.1949	0.0140	0.1726
polish-5th	0.3435	0.6565	0.3435	0.0303	0.2756
polya	0.4097	0.5903	0.4097	0.0546	0.5718
popularity	0.1069	0.5954	0.1069	0.0215	0.4755
post-operative	0.1111	0.5926	0.1111	-0.0909	0.5000
postures	0.8640	0.0544	0.8640	0.8302	0.1539
pred-tox_mutagen_ref-desc	0.5000	0.5000	0.5000	0.0000	0.6714
primary-tumor	0.5455	0.0413	0.5455	0.4944	0.2014
profb	0.3881	0.6119	0.3881	-0.0029	0.7770
promoters	0.7000	0.3000	0.7000	0.2857	0.4644
prostate	0.6429	0.3571	0.6429	0.3137	0.7932
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9276	0.0290	0.9276	0.9036	0.1337
pufs-6410%	0.0000	0.0000	0.0000	-0.0023	0.0000
raisin	0.8111	0.1889	0.8111	0.6222	0.4217
re0-wc	0.6467	0.0544	0.6467	0.5765	0.1668
re1-wc	0.8072	0.0154	0.8072	0.7825	0.2039
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5443	0.4557	0.5443	0.1917	0.6054
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0084
satimage	0.7792	0.0736	0.7792	0.7355	0.1988
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.7341	0.2659	0.7341	0.3074	0.4943
scadi	0.5714	0.1224	0.5714	0.4615	0.1395
schiller	0.4444	0.5556	0.4444	0.1509	0.4711
schizo	0.4706	0.5294	0.4706	-0.0588	0.9191
secom	0.4679	0.5321	0.4679	-0.0078	0.3373
secondary_mushroom	0.6406	0.3594	0.6406	0.3261	0.5197
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.6047	0.3953	0.6047	0.0719	0.3781
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.2553	0.7447	0.2553	0.0123	0.4076
sens-2-gram	0.2737	0.7263	0.2737	0.0343	0.3777
sens-3-gram	0.3289	0.6711	0.3289	0.0567	0.3910
sens-4-gram	0.0000	0.0000	0.0000	-1.0000	0.0000
sensorless	0.9887	0.0021	0.9887	0.9876	0.0182
sepsis	0.2871	0.7129	0.2871	0.0403	0.2840
shoppers	0.8548	0.1452	0.8548	0.5377	0.6348
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9956	0.0044	0.9956	0.9867	0.0691
smk_can_187	0.5789	0.4211	0.5789	0.1828	0.7904
solar-flare	0.6906	0.1031	0.6906	0.6129	0.2663
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9412	0.0062	0.9412	0.9356	0.0368
spambase	0.8848	0.1152	0.8848	0.7651	0.4679
spect	0.7407	0.2593	0.7407	0.2921	0.7993
spectf	0.8000	0.2000	0.8000	0.5739	0.6162
spectrometer	0.0000	0.0000	0.0000	-1.0000	0.0000
splice-EI	0.9495	0.0505	0.9495	0.8716	0.3306
splice-IE	0.9401	0.0599	0.9401	0.8434	0.3752
sport-articles	0.5900	0.4100	0.5900	0.2777	0.6044
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.6051	0.3949	0.6051	0.2808	0.5653
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8019	0.1320	0.8019	0.6868	0.2845
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.5487	0.4513	0.5487	0.2280	0.6051
steel-p	0.8872	0.1128	0.8872	0.5047	0.5724
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9487	0.0513	0.9487	0.7639	0.4715
studentap	0.4615	0.3590	0.4615	0.1727	0.6025
student-weekend	0.3077	0.2769	0.3077	0.1003	0.7465
student-workday	0.5156	0.1938	0.5156	0.0681	0.6267
susy10%	0.4585	0.5415	0.4585	0.0009	0.5317
swarm_aligned	0.0000	0.0000	0.0000	-1.0000	0.0000
swarm_flocking	0.0000	0.0000	0.0000	-1.0000	0.0000
swarm_grouped	0.0000	0.0000	0.0000	-1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.4056
Tdp_desc	0.4167	0.5833	0.4167	0.0870	0.6021
texture	0.9709	0.0053	0.9709	0.9679	0.0396
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.4043	0.5957	0.4043	0.0266	0.5463
Thyroid_Diff	0.8947	0.1053	0.8947	0.7441	0.4906
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.5752	0.4248	0.5752	0.2726	0.5383
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.5000	0.1667	0.5000	0.3191	0.2036
tox_171	0.7647	0.1176	0.7647	0.6822	0.2043
toxicity	0.4118	0.5882	0.4118	0.0659	0.5170
toxicity-13f	0.6471	0.3529	0.6471	0.2817	0.8486
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.4400	0.5600	0.4400	0.1279	0.5642
trec11-wc	0.8293	0.0379	0.8293	0.7941	0.1301
trec12-wc	0.8387	0.0403	0.8387	0.8082	0.1028

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.7184	0.2673
trec23-wc	0.9524	0.0159	0.9524	0.9338	0.0454
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0135
trec41-wc	0.9318	0.0136	0.9318	0.9166	0.0755
trec45-wc	0.9130	0.0174	0.9130	0.8989	0.0693
tuandromd	0.9798	0.0202	0.9798	0.9396	0.2092
turkish	0.7750	0.1125	0.7750	0.7000	0.2698
tvnews	0.0000	0.0000	0.0000	-0.4947	0.0000
urban	0.8657	0.0299	0.8657	0.8433	0.1098
vehicle	0.8095	0.0952	0.8095	0.7357	0.2052
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.5263	0.5112
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5556	0.0808	0.5556	0.5111	0.2549
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.0000	0.0000	0.0000	-0.0010	0.0000
wap-wc	0.7949	0.0205	0.7949	0.7717	0.1519
warpar10p	0.7692	0.0462	0.7692	0.7365	0.0873
warppiel0p	0.9524	0.0095	0.9524	0.9468	0.0229
watch-acc10%	0.8744	0.0359	0.8744	0.8531	0.0473
watch-gyr10%	0.8757	0.0355	0.8757	0.8549	0.0468
waveform	0.7060	0.1960	0.7060	0.5590	0.4436
web-phishing	0.8741	0.0840	0.8741	0.7836	0.3659
weight-lift	0.9620	0.0152	0.9620	0.9520	0.0592
white-clover	0.3333	0.3333	0.3333	0.0000	0.1934
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0287
wilt	0.9834	0.0166	0.9834	0.8485	0.4011
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.4403	0.1866	0.4403	0.1991	0.6093
winequality-white	0.2393	0.2174	0.2393	0.1009	0.5750
winnipeg	0.0000	0.0000	0.0000	-1.0000	0.0000
yale	0.6875	0.0417	0.6875	0.6639	0.0860
yeast	0.5203	0.0959	0.5203	0.3855	0.4788
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9459	0.0541	0.9459	0.1732	0.5690
yeastME1	0.9730	0.0270	0.9730	0.5866	0.5496
yeastME2	0.9257	0.0743	0.9257	0.1152	0.6481
zip	0.9323	0.0135	0.9323	0.9241	0.1003
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 143: Detailed results for RBBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0000	0.0000	0.0000	-0.9005	0.0000
abalone19	0.9713	0.0287	0.9713	-0.0109	0.3408
abalone9-18	0.7808	0.2192	0.7808	0.2011	0.4328
accelerometer	0.8115	0.1885	0.8115	0.1182	0.2132
ads	0.5976	0.4024	0.5976	0.2354	0.4692
adult	0.5366	0.4633	0.5366	0.2286	0.5356
AID1284Morered	0.5000	0.5000	0.5000	0.1671	0.4098
AID1284red	0.3889	0.6111	0.3889	0.1020	0.3716
AID_1431	0.3730	0.6270	0.3730	-0.0480	0.4099
AID1608Morered	0.4563	0.5437	0.4563	0.0045	0.3429
AID1608red	0.3010	0.6990	0.3010	0.0389	0.1906
AID_1878	0.2857	0.7143	0.2857	0.0348	0.4569
AID362red	0.7780	0.2220	0.7780	0.0339	0.1543
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9655	0.0345	0.9655	0.0264	0.0630
AID439Morered	0.4286	0.5714	0.4286	0.1250	0.3900
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.4865	0.5135	0.4865	0.0976	0.7064
AID_602330	0.3021	0.6979	0.3021	0.0037	0.1894
AID604	0.3663	0.6337	0.3663	0.0037	0.0167
AID604AID644_AllRed	0.9962	0.0038	0.9962	0.0786	0.3459
AID644Morered	0.4000	0.6000	0.4000	-0.0345	0.8322
AID644red	0.4500	0.5500	0.4500	0.0179	0.8337
AID_652128	0.2929	0.4714	0.2929	0.0220	0.4156
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.4572	0.5428	0.4572	0.0006	0.0212
AID688red	0.2420	0.7580	0.2420	0.0009	0.0446
AID721morered	0.2222	0.7778	0.2222	0.0000	0.4150
AID721red	0.4444	0.5556	0.4444	-0.0465	0.7758
AID746AID1284red	0.9928	0.0072	0.9928	0.0428	0.2107
AID746red	0.3668	0.6332	0.3668	0.0048	0.0307
AID_773	0.1481	0.8519	0.1481	-0.1436	0.4774
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9722	0.0139	0.9722	0.9474	0.1382
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9591	0.1428
anuran-species	0.9861	0.0028	0.9861	0.9807	0.0261
aps-failure	0.8967	0.1033	0.8967	0.2304	0.3214
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.8222	0.0273	0.8222	0.7374	0.2244
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.0000	0.0000	0.0000	-1.0000	0.0000
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.7144	0.0476	0.7144	0.5890	0.1569
balance	0.7581	0.1613	0.7581	0.6026	0.3974
bank	0.7106	0.2894	0.7106	0.3128	0.4793
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.5415	0.4585	0.5415	0.2175	0.5717
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.6200	0.3800	0.6200	0.0272	0.0639
biodeg	0.7429	0.2571	0.7429	0.5048	0.6353
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.0000	0.0000	0.3481	0.3000	0.0000
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.4286	0.5714	0.4286	0.0345	0.7720
breast-cancer-co	0.9091	0.0909	0.9091	0.8197	0.3145
breast-cancer-ma	0.6364	0.3636	0.6364	0.3125	0.5164
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0697
bub10at310k-hg16-17	0.0000	0.0000	0.0000	-0.5995	0.0000
bze_3d_rdkit_descriptors	0.5610	0.4390	0.5610	0.2182	0.6164
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.5294	0.5000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8551	0.1449	0.8551	0.7081	0.5394
cardiotocography	0.8592	0.0282	0.8592	0.8300	0.1410
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7930	0.3459
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.7043	0.3840
cas_N6512_cdk_ECFP2	0.4639	0.5361	0.4639	0.0053	0.5307
cdc_diabetes	0.3777	0.4149	0.3777	0.1100	0.3549
census10%	0.4612	0.5388	0.4612	0.0800	0.2415
central-nervous-system	0.1667	0.8333	0.1667	-0.3636	0.9257
cervical-B	0.9419	0.0581	0.9419	0.6362	0.5550
cervical-C	0.8256	0.1744	0.8256	0.0387	0.5425
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.8837	0.1163	0.8837	0.7603	0.4689
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.0000	0.0000	0.0000	-1.0000	0.0271
ci100410h_MACCS	0.6875	0.3125	0.6875	0.2417	0.7868
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6788	0.5564
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6888	0.5682
ci200186m_ExtendedFingerprinter	0.7818	0.2182	0.7818	0.5823	0.4882
ci900367j_MACCS	0.6105	0.3895	0.6105	0.2915	0.6954
cirrhosis	0.8333	0.1111	0.8333	0.6811	0.3037
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8046	0.0977	0.8046	0.7053	0.4409
climate	0.8519	0.1481	0.8519	0.3609	0.5697
cil_sub_111	0.5833	0.2778	0.5833	0.2683	0.4054
cm1	0.7200	0.2800	0.7200	0.0909	0.6088
cmc	0.5306	0.3129	0.5306	0.3063	0.6610
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0759
codon_usage	0.7398	0.0473	0.7398	0.6870	0.2632
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.5862	0.4138	0.5862	0.2301	0.7910
colposcopies-2	0.3793	0.6207	0.3793	-0.0276	0.7353
colposcopies-3	0.5862	0.4138	0.5862	0.2402	0.7178
colposcopies-4	0.5172	0.4828	0.5172	0.0193	0.8693

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.3103	0.6897	0.3103	0.0034	0.5432
colposcopies-6	0.5517	0.4483	0.5517	0.1212	0.8434
colposcopies-c	0.4483	0.5517	0.4483	0.0492	0.7309
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9876	0.0083	0.9876	0.7620	0.3950
cottonmeloidogyne	0.5433	0.4567	0.5433	0.0940	0.6408
coupon	0.4795	0.5205	0.4795	0.0703	0.6095
covtype	0.0000	0.0000	0.0000	-1.0000	0.0000
covtypeCD	0.8921	0.1079	0.8921	0.6545	0.5240
covtypeT	0.7351	0.2649	0.7351	0.2569	0.4050
cox2_cdk_ECFP2	0.5000	0.5000	0.5000	0.0736	0.6849
crowdsourced	0.6912	0.1029	0.6912	0.5201	0.5300
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4375	0.0281	0.4375	0.4199	0.1052
cyclopentane	0.6667	0.3333	0.6667	0.3520	0.7865
cylinder-bands	0.4630	0.5370	0.4630	0.0463	0.6768
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.6923	0.3077	0.6923	-0.1304	0.5140
dbworld	0.8571	0.1429	0.8571	0.7200	0.4011
default	0.2717	0.7283	0.2717	0.0235	0.4644
deposit	0.6956	0.3044	0.6956	0.2910	0.5001
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4545	0.3797
dexter	0.9333	0.0667	0.9333	0.8667	0.3124
dhfr_cdk_ECFP2	0.5921	0.4079	0.5921	0.2764	0.5292
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.0000	0.0000	0.0000	-0.2427	0.0000
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	0.0000	0.5239
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5000	0.5000	0.5000	0.0769	0.8627
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.4731	0.5269	0.4731	0.0005	0.5472
dropout	0.6546	0.2302	0.6546	0.4762	0.5293
drug-01	0.2926	0.2021	0.2926	0.0335	0.5329
drug-02	0.1755	0.2356	0.1755	0.0604	0.7261
drug-03	0.2926	0.2021	0.2926	0.0813	0.5851
drug-04	0.1436	0.2447	0.1436	0.0336	0.6882
drug-05	0.1330	0.2477	0.1330	-0.0142	0.5145
drug-06	0.2606	0.2112	0.2606	0.1316	0.6226
drug-07	0.3777	0.1778	0.3777	-0.0714	0.4075
drug-08	0.1862	0.2325	0.1862	0.0550	0.6010
drug-09	0.3404	0.1885	0.3404	0.0092	0.4353
drug-10	0.2606	0.2112	0.2606	0.1020	0.5865
drug-11	0.4574	0.1550	0.4574	0.1301	0.5908
drug-12	0.3138	0.1960	0.3138	0.0903	0.5478
drug-13	0.2074	0.2264	0.2074	0.0467	0.5468
drug-14	0.2606	0.2112	0.2606	0.1173	0.5144
drug-15	0.3457	0.1869	0.3457	0.0876	0.5480
drug-16	0.3936	0.1733	0.3936	0.2082	0.5815
drug-17	0.3245	0.1930	0.3245	0.0962	0.6434
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.2234	0.2219	0.2234	0.0752	0.3289
drybean	0.9273	0.0208	0.9273	0.9118	0.1108
ecoli	0.8235	0.0441	0.8235	0.7560	0.1522
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.7273	0.2727	0.7273	0.1951	0.5391
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1927	0.1009	0.1927	0.0929	0.4711
eeg-eye	0.4740	0.5260	0.4740	0.0402	0.5420
EPA_FHM	0.9344	0.0656	0.9344	0.5658	0.5819
er_lit_cdk_ECFP2	0.4359	0.5641	0.4359	0.0467	0.6973
er_tox_cdk_ECFP2	0.6000	0.4000	0.6000	0.2661	0.7462
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.4055	0.5803
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7626	0.4644
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5831	0.6625
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8706	0.3126
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8710	0.1290	0.8710	0.2812	0.5144
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4981	0.6523
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.5709	0.5288
eucalyptus	0.6575	0.1370	0.6575	0.5581	0.3534
euthyroid	0.9652	0.0348	0.9652	0.8061	0.3831
exon.vs.intron-freq	0.0000	0.0000	0.0000	-1.0000	0.0000
fbis-wc	0.7805	0.0258	0.7805	0.7512	0.1708
fda.atompair_fp	0.2727	0.7273	0.2727	-0.0602	0.6895
fertility	0.3000	0.7000	0.3000	0.0541	0.2820
flags	0.6500	0.0875	0.6500	0.5469	0.1944
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.0000	0.0000	0.0000	-1.0000	0.0000
forest	0.8654	0.0673	0.8654	0.8137	0.1696
gas	0.9756	0.0081	0.9756	0.9704	0.0517
gastrointestinal	0.6875	0.2083	0.6875	0.5531	0.3199
gender	0.3453	0.4365	0.3453	0.0129	0.4382
gene	0.9432	0.0379	0.9432	0.9094	0.1755
german	0.5800	0.4200	0.5800	0.2460	0.7218
gina	0.6282	0.3718	0.6282	0.2668	0.5711
glass	0.8571	0.0476	0.8571	0.7987	0.1263
glassBWFP	0.8571	0.1429	0.8571	0.7175	0.4205
glassBWNFP	0.6667	0.3333	0.6667	0.3636	0.7218
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.5294	0.5000
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.7143	0.2857	0.7143	0.1818	0.3113
gli_85	0.7500	0.2500	0.7500	0.5000	0.5283
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6905	0.5447
green	0.6000	0.4000	0.6000	0.3103	0.5288
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.3333	0.3333	0.3333	0.0909	0.5063
haberman	0.5667	0.4333	0.5667	0.1333	0.8163
hapt	0.9424	0.0096	0.9424	0.9318	0.0597
har70	0.0000	0.0000	0.0000	-1.0000	0.0000
harth10%	0.0000	0.0000	0.0000	-1.0000	0.0000
hayes-roth	0.7500	0.1667	0.7500	0.6049	0.3379
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7037	0.2963	0.7037	0.4194	0.7601
heart-c	0.8667	0.1333	0.8667	0.7368	0.3750
hepatitis	0.8000	0.2000	0.8000	0.5455	0.5283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.0000	0.1156	0.0000	-1.0000	0.0000
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.4286	0.5714	0.4286	-0.0769	0.8750
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6000	0.4000	0.6000	0.2000	0.8294
higgs10%	0.5234	0.0000	0.0000	-1.0000	0.0000
higher	0.2857	0.1786	0.2857	0.1617	0.3270
hinselmann	0.6000	0.4000	0.6000	0.0909	0.7720
hiv1-proteasa	0.6745	0.3255	0.6745	0.3274	0.5578
hiva	0.5366	0.4634	0.5366	-0.0184	0.2268
horse	0.6667	0.2222	0.6667	0.4745	0.5673
htru2	0.6609	0.3391	0.6609	0.2273	0.4203
ht-sensor	0.0000	0.0000	0.0000	-1.0000	0.0000
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.5254	0.4746	0.5254	0.2050	0.6194
immuno-therapy	0.7778	0.2222	0.7778	0.5263	0.5283
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8935	0.0082	0.8935	0.8892	0.0929
jm1	0.2893	0.7107	0.2893	0.0481	0.4162
fvowels	0.7851	0.0477	0.7851	0.7581	0.2053
kc1	0.5972	0.4028	0.5972	0.2366	0.5173
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.0000	0.0000	0.0000	-1.0000	0.0000
kc1-class-level-top5percentDF	0.8000	0.2000	0.8000	-0.0976	0.5661
kc2	0.3846	0.6154	0.3846	0.1063	0.4473
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8360	0.0182	0.8360	0.8170	0.1611
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.0000	0.0000	0.0000	-0.2615	0.0000
la2s-wc	0.0000	0.0000	0.0000	-1.0000	0.2600
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.0000	0.0073	0.0000	-1.0000	0.0000
led24	0.6500	0.0700	0.6500	0.6067	0.1603
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8410	0.0122	0.8410	0.8346	0.1617
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8213	0.0634
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.4118	0.5882	0.4118	0.0885	0.5097
localization	0.3145	0.1246	0.3145	0.1972	0.4161
lrs	0.8302	0.0340	0.8302	0.7617	0.1381
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8400	0.0648
lupus	0.5556	0.4444	0.5556	0.1429	0.8961
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5231	0.4769	0.5231	0.0462	0.9761
magic04	0.4429	0.5571	0.4429	0.1017	0.5446

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.5729	0.4271	0.5729	0.1841	0.6187
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6555	0.4357
messidor	0.5565	0.4435	0.5565	0.1826	0.6983
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9850	0.0030	0.9850	0.9833	0.0186
mfeat-fou	0.7600	0.0480	0.7600	0.7333	0.1969
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0692
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2174
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0443
mfeat-zer	0.7300	0.0540	0.7300	0.7000	0.2094
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3412	0.5002
mobile	0.8846	0.0041	0.8846	0.8825	0.0541
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.7377	0.2623	0.7377	0.5081	0.5125
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8076	0.1924	0.8076	0.5067	0.5484
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.4928	0.5072	0.4928	0.0000	0.5292
mutagens_ExtendedFingerprinter	0.5882	0.4118	0.5882	0.1765	0.6453
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2892	0.8588
MUT_ci300400a	0.5702	0.4298	0.5702	0.2191	0.5961
MUT_ci300400a_cdk_ECFP2	0.4269	0.5731	0.4269	0.0131	0.5459
myocardial	0.6706	0.0824	0.6706	0.2798	0.1671
naticusdroid	0.9676	0.0324	0.9676	0.9352	0.1910
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.5386	0.0486	0.5386	0.3157	0.5221
newspop	0.4687	0.5313	0.4687	0.0017	0.5359
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9211	0.0789	0.9211	0.8186	0.3966
NPHA-doctor-visits	0.3472	0.4352	0.3472	0.1254	0.5934
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9744	0.1112
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9010	0.0198	0.9010	0.8864	0.0874
oh10-wc	0.7238	0.0552	0.7238	0.6852	0.2585
oh15-wc	0.8152	0.0370	0.8152	0.7900	0.1489
oh5-wc	0.8132	0.0374	0.8132	0.7894	0.1472
opn310k	0.0000	0.0000	0.0000	-1.0000	0.0000
opnat310k-hg16-17	0.0000	0.0000	0.0000	-0.7469	0.0000
optdigits	0.9626	0.0075	0.9626	0.9584	0.0511
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9250	0.0037	0.9250	0.9231	0.0126
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8854	0.1146	0.8854	0.3453	0.4298
ozone8hr	0.6719	0.3281	0.6719	0.1606	0.4284
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8509	0.2305

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.4503	0.5497	0.4503	0.1460	0.5174
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.8108	0.1892	0.8108	0.3249	0.5017
pcmac	0.4381	0.5619	0.4381	0.0240	0.6265
pd	0.6974	0.3026	0.6974	0.4250	0.5306
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1102
pendigits	0.9918	0.0016	0.9918	0.9909	0.0149
period	0.4444	0.5556	0.4444	0.0000	0.8722
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.5928	0.4072	0.5928	0.2632	0.7211
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9081
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7460	0.2540	0.7460	0.5060	0.4755
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.5500	0.4500	0.5500	0.1509	0.8702
phishing	0.9714	0.0286	0.9714	0.9408	0.1699
phoneme	0.6426	0.3574	0.6426	0.3592	0.5581
phy	0.5180	0.4820	0.5180	0.0411	0.5472
pima	0.6842	0.3158	0.6842	0.4139	0.6020
plx	0.6111	0.3889	0.6111	0.2588	0.7379
poker	0.0000	0.0000	0.0000	0.5010	0.0000
polish-1st	0.2973	0.7027	0.2973	0.0021	0.1771
polish-2nd	0.1573	0.8427	0.1573	0.0088	0.1258
polish-3rd	0.1714	0.8286	0.1714	0.0038	0.1698
polish-4th	0.2051	0.7949	0.2051	0.0177	0.1677
polish-5th	0.3080	0.6920	0.3080	0.0340	0.2486
polya	0.4184	0.5816	0.4184	0.0657	0.5637
popularity	0.3130	0.4580	0.3130	0.0250	0.4758
post-operative	0.3333	0.4444	0.3333	0.0526	0.2442
postures	0.8475	0.0610	0.8475	0.8095	0.2158
pred-tox_mutagen_ref-desc	0.5000	0.5000	0.5000	0.0000	0.8069
primary-tumor	0.3636	0.0579	0.3636	0.2936	0.2395
profb	0.5075	0.4925	0.5075	0.1647	0.6864
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9525	0.0190	0.9525	0.9363	0.1094
pufs-6410%	0.0000	0.0000	0.0000	-0.0205	0.0000
raisin	0.8444	0.1556	0.8444	0.6889	0.5001
re0-wc	0.6867	0.0482	0.6867	0.5437	0.2006
re1-wc	0.8554	0.0116	0.8554	0.8360	0.1187
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5269	0.4731	0.5269	0.1695	0.5489
RT_IOT2022	0.9993	0.0001	0.9993	0.9982	0.0013
satimage	0.8569	0.0477	0.8569	0.8246	0.1974
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.7465	0.2535	0.7465	0.3178	0.5076
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5588	0.4412	0.5588	0.1176	0.7296
secom	0.6282	0.3718	0.6282	0.0423	0.3952
secondary_mushroom	0.6761	0.3239	0.6761	0.3883	0.5085
segment	0.9697	0.0087	0.9697	0.9646	0.0384
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.5891	0.4109	0.5891	0.1061	0.3467
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.2158	0.7842	0.2158	0.0084	0.3779
sens-2-gram	0.2553	0.7447	0.2553	0.0273	0.3735
sens-3-gram	0.3132	0.6868	0.3132	0.0500	0.3871
sens-4-gram	0.0000	0.0000	0.0000	-1.0000	0.0000
sensorless	0.9954	0.0008	0.9954	0.9949	0.0087
sepsis	0.2960	0.7040	0.2960	0.0427	0.2865
shoppers	0.6788	0.3212	0.6788	0.3223	0.5315
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9994	0.0006	0.9994	0.9981	0.0139
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.6906	0.1031	0.6906	0.6146	0.2713
sonar	0.4500	0.5500	0.4500	-0.1000	0.9904
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.8043	0.1957	0.8043	0.6204	0.5160
spect	0.6296	0.3704	0.6296	0.2105	0.7516
spectf	0.8000	0.2000	0.8000	0.5739	0.6162
spectrometer	0.0000	0.0000	0.0000	-1.0000	0.0000
splice-EI	0.9495	0.0505	0.9495	0.8746	0.3145
splice-IE	0.9401	0.0599	0.9401	0.8407	0.3778
sport-articles	0.6200	0.3800	0.6200	0.3212	0.6009
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.5949	0.4051	0.5949	0.2700	0.5630
steel-d	0.9846	0.0154	0.9846	0.7613	0.4382
steel_industry	0.8142	0.1239	0.8142	0.6996	0.2439
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.5897	0.4103	0.5897	0.2751	0.6518
steel-p	0.8513	0.1487	0.8513	0.4591	0.5100
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3846	0.4103	0.3846	0.0545	0.7589
student-weekend	0.3077	0.2769	0.3077	0.0899	0.7132
student-workday	0.3594	0.2562	0.3594	0.0854	0.3958
susy10%	0.0000	0.0000	0.0000	-1.0000	0.0000
swarm_aligned	0.0000	0.0000	0.0000	-1.0000	0.0000
swarm_flocking	0.0000	0.0000	0.0000	-1.0000	0.0000
swarm_grouped	0.0000	0.0000	0.0000	-1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4790
Tdp_desc	0.5556	0.4444	0.5556	0.1111	0.7569
texture	0.9727	0.0050	0.9727	0.9699	0.0338
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.3830	0.6170	0.3830	0.0606	0.4838
Thyroid_Diff	0.8947	0.1053	0.8947	0.7441	0.4906
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.5782	0.4218	0.5782	0.2758	0.5388
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6065	0.3081
toxicity	0.4706	0.5294	0.4706	0.0255	0.8903
toxicity-13f	0.4706	0.5294	0.4706	0.0255	0.8903
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.4000	0.6000	0.4000	0.0343	0.6891
trec11-wc	0.8537	0.0325	0.8537	0.8202	0.1174
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0206
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0586
trec45-wc	0.9855	0.0029	0.9855	0.9831	0.0117
tuandromd	0.9821	0.0179	0.9821	0.9448	0.1758
turkish	0.7000	0.1500	0.7000	0.6000	0.3143
tvnews	0.0000	0.0235	0.0000	-1.0000	0.0000
urban	0.8507	0.0332	0.8507	0.8249	0.1198
vehicle	0.6310	0.1845	0.6310	0.5213	0.3784
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5152	0.0882	0.5152	0.4667	0.2816
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.0000	0.0000	0.2045	0.0005	0.0000
wap-wc	0.7628	0.0237	0.7628	0.7334	0.1254
warpar10p	0.8462	0.0308	0.8462	0.8255	0.0600
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.0000	0.0000	0.1948	-1.0000	0.0000
watch-gyr10%	0.8817	0.0338	0.8817	0.8617	0.0673
waveform	0.7220	0.1853	0.7220	0.5838	0.4958
web-phishing	0.8370	0.1086	0.8370	0.7171	0.4289
weight-lift	0.9697	0.0121	0.9697	0.9617	0.0684
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9648	0.0352	0.9648	0.7210	0.5061
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5786	0.1405	0.5786	0.3201	0.4196
winequality-white	0.4540	0.1560	0.4540	0.1729	0.5706
winnipeg	0.0000	0.0000	0.0000	-1.0000	0.0000
yale	0.6250	0.0500	0.6250	0.6000	0.0873
yeast	0.5338	0.0932	0.5338	0.3882	0.3930
yeastCYT-POX	0.8980	0.1020	0.8980	0.4068	0.4711
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9392	0.0608	0.9392	0.2761	0.6261
zip	0.9269	0.0146	0.9269	0.9181	0.1108
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 144: Detailed results for CSB0(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1199	0.0607	0.1199	0.0510	0.5319
abalone19	0.9641	0.0359	0.9641	-0.0116	0.2871
abalone9-18	0.8493	0.1507	0.8493	0.3662	0.4565
accelerometer	0.9509	0.0491	0.9509	0.3134	0.4727
ads	0.9604	0.0396	0.9604	0.8210	0.2390
adult	0.8608	0.1392	0.8608	0.5828	0.5827
AID1284Morered	0.5556	0.4444	0.5556	-0.1120	0.6681
AID1284red	0.7778	0.2222	0.7778	0.2044	0.7424
AID_1431	0.8254	0.1746	0.8254	0.0591	0.6852
AID1608Morered	0.8058	0.1942	0.8058	0.0779	0.5663
AID1608red	0.7767	0.2233	0.7767	-0.0094	0.4843
AID_1878	0.7619	0.2381	0.7619	0.1050	0.8237
AID362red	0.9533	0.0467	0.9533	0.0720	0.4210
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9965	0.0035	0.9965	0.1587	0.3822
AID439Morered	0.7143	0.2857	0.7143	0.3636	0.5000
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9820	0.0180	0.9820	-0.0050	0.2334
AID600_MACCS	0.5135	0.4865	0.5135	-0.0091	0.9894
AID_602330	0.8958	0.1042	0.8958	-0.0526	0.5632
AID604	0.9955	0.0045	0.9955	0.2929	0.5321
AID604AID644_AllRed	0.9983	0.0017	0.9983	0.1658	0.5310
AID644Morered	0.6000	0.4000	0.6000	0.2593	0.7326
AID644red	0.7000	0.3000	0.7000	0.2857	0.8453
AID_652128	0.7879	0.1414	0.7879	0.0481	0.5601
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9937	0.0063	0.9937	0.1569	0.5023
AID688red	0.9875	0.0125	0.9875	-0.0049	0.5435
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.2222	0.7778	0.2222	0.0000	0.4150
AID746AID1284red	0.9973	0.0027	0.9973	0.1989	0.4460
AID746red	0.9895	0.0105	0.9895	0.0817	0.5460
AID_773	0.7407	0.2593	0.7407	0.2410	0.6032
AID852_MACCS	0.8308	0.1692	0.8308	0.5731	0.6441
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9663	0.0135	0.9663	0.9296	0.1075
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9416	0.0292	0.9416	0.8891	0.2463
anuran-f-b	0.9903	0.0097	0.9903	0.6273	0.5307
anuran-genus	0.9166	0.0209	0.9166	0.8641	0.2931
anuran-species	0.9167	0.0167	0.9167	0.8850	0.1507
aps-failure	0.9754	0.0246	0.9754	0.5447	0.5420
arcene	0.8500	0.1500	0.8500	0.6809	0.5520
arrhythmia	0.7333	0.0410	0.7333	0.6266	0.2420
auction	0.9804	0.0196	0.9804	0.9146	0.2556
audiology	0.6957	0.0254	0.6957	0.6454	0.0886
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6500	0.1167	0.6500	0.5513	0.2746
avila	0.7911	0.0348	0.7911	0.7194	0.2304
balance	0.7097	0.1935	0.7097	0.5327	0.4563
bank	0.8886	0.1114	0.8886	0.5618	0.6002
banknote	0.9343	0.0657	0.9343	0.8685	0.2983

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8387	0.1613	0.8387	0.6215	0.4795
basehock	0.8995	0.1005	0.8995	0.7992	0.3497
bio	0.9957	0.0043	0.9957	0.7352	0.3066
biodeg	0.8857	0.1143	0.8857	0.7645	0.4707
biomed	0.9048	0.0952	0.9048	0.7879	0.2720
bitcoin10%	0.9745	0.0018	0.9745	0.2711	0.5988
block10%	1.0000	0.0000	1.0000	0.9952	0.0209
block10%	1.0000	0.0000	1.0000	0.9952	0.0209
breast-cancer	0.5714	0.4286	0.5714	0.1429	0.8366
breast-cancer-co	0.5455	0.4545	0.5455	0.0678	0.9704
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.7000	0.0857	0.7000	0.5714	0.0976
bub10at310k-hg16-17	0.9155	0.0845	0.9155	0.1604	0.3358
bze_3d_rdkit_descriptors	0.8293	0.1707	0.8293	0.5550	0.6546
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9420	0.0580	0.9420	0.8770	0.2846
car	0.9483	0.0259	0.9483	0.8937	0.2029
card	0.8406	0.1594	0.8406	0.6804	0.5638
cardiotocography	0.8169	0.0366	0.8169	0.7839	0.2462
cardiotocography-nsp	0.8685	0.0876	0.8685	0.6968	0.3616
cargo2k	0.9898	0.0068	0.9898	0.9848	0.0347
cars	0.7000	0.2000	0.7000	0.4953	0.5618
cas_N6512_cdk_ECFP2	0.5530	0.4470	0.5530	0.0338	0.5825
cdc_diabetes	0.8126	0.1249	0.8126	0.3354	0.4745
census10%	0.9001	0.0999	0.9001	0.3840	0.5962
central-nervous-system	0.3333	0.6667	0.3333	-0.5000	1.0000
cervical-B	0.9302	0.0698	0.9302	0.5892	0.5711
cervical-C	0.8605	0.1395	0.8605	0.1848	0.5765
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9186	0.0814	0.9186	0.5871	0.5886
chemo_fontaine	0.8605	0.1395	0.8605	0.7159	0.5084
Choi_MACCS	0.5000	0.5000	0.5000	0.2000	0.5000
chrom19	0.9994	0.0006	0.9994	0.7319	0.4936
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6309	0.5951
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5632	0.6812
ci900367j_MACCS	0.6526	0.3474	0.6526	0.1774	0.8408
cirrhosis	0.5476	0.3016	0.5476	0.2130	0.6375
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6843	0.1579	0.6843	0.5533	0.5161
climate	0.8333	0.1667	0.8333	0.3269	0.5540
cil_sub_111	0.4167	0.3889	0.4167	0.0233	0.6521
cm1	0.6800	0.3200	0.6800	0.1398	0.5505
cmc	0.5986	0.2676	0.5986	0.3715	0.6688
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1137
codon_usage	0.7183	0.0512	0.7183	0.6550	0.4154
coil20	0.8958	0.0104	0.8958	0.8903	0.0662
collins	0.8600	0.0187	0.8600	0.8457	0.0521
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	-0.0162	0.9699
colposcopies-2	0.7241	0.2759	0.7241	0.3446	0.6808
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.6897	0.3103	0.6897	0.2521	0.8468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.3741	0.7250
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.7241	0.2759	0.7241	0.3696	0.7444
column-2c	0.8065	0.1935	0.8065	0.6173	0.4882
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9605	0.0263	0.9605	0.4877	0.5201
cottonmeloidogyne	0.6418	0.3582	0.6418	0.2878	0.6810
coupon	0.6995	0.3005	0.6995	0.3841	0.8255
covtype	0.7137	0.0818	0.7137	0.5472	0.4333
covtypeCD	0.9667	0.0333	0.9667	0.8657	0.3418
covtypeT	0.9553	0.0447	0.9553	0.7237	0.5072
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.8599	0.0467	0.8599	0.7111	0.4478
cryotherapy	0.4444	0.5556	0.4444	-0.0976	1.0000
cultivars	0.0938	0.0453	0.0938	0.0748	0.1724
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7407	0.2593	0.7407	0.4383	0.6625
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8137	0.1863	0.8137	0.4217	0.7179
deposit	0.8814	0.1186	0.8814	0.5050	0.6394
dermatology	0.9189	0.0270	0.9189	0.8989	0.0903
desharnais	0.5000	0.3333	0.5000	0.3191	0.3243
dexter	0.8167	0.1833	0.8167	0.6333	0.5674
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6129	0.3731
diabetes	0.8654	0.1346	0.8654	0.7129	0.5322
diabetic10%	0.5383	0.3078	0.5383	0.0011	0.3781
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.3333	0.6667	0.3333	-0.2308	0.9883
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5544	0.4456	0.5544	0.0781	0.8869
dropout	0.7156	0.1896	0.7156	0.5417	0.4799
drug-01	0.3511	0.1854	0.3511	0.0516	0.7839
drug-02	0.4468	0.1581	0.4468	0.1948	0.8167
drug-03	0.6064	0.1125	0.6064	-0.0551	0.6856
drug-04	0.3777	0.1778	0.3777	0.1064	0.7598
drug-05	0.6543	0.0988	0.6543	-0.0509	0.8410
drug-06	0.3564	0.1839	0.3564	0.2074	0.6319
drug-07	0.3670	0.1809	0.3670	-0.0666	0.6085
drug-08	0.4787	0.1489	0.4787	0.1616	0.7391
drug-09	0.7819	0.0623	0.7819	0.2147	0.6155
drug-10	0.4681	0.1520	0.4681	0.1771	0.7771
drug-11	0.6649	0.0957	0.6649	0.1372	0.7166
drug-12	0.5904	0.1170	0.5904	0.0355	0.6209
drug-13	0.5319	0.1337	0.5319	0.2770	0.7875
drug-14	0.5319	0.1337	0.5319	0.2917	0.6886
drug-15	0.6011	0.1140	0.6011	0.1586	0.8248
drug-16	0.5106	0.1398	0.5106	0.2798	0.5939
drug-17	0.3404	0.1885	0.3404	0.0988	0.6191
drug-18	0.9894	0.0043	0.9894	-0.0053	0.1743
drug-19	0.6489	0.1003	0.6489	0.0944	0.7781
drybean	0.9111	0.0254	0.9111	0.8926	0.1496
ecoli	0.8235	0.0441	0.8235	0.7560	0.1458
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.6970	0.3030	0.6970	0.1667	0.5194
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.3101	0.0862	0.3101	0.2276	0.5804
eeg-eye	0.6061	0.3939	0.6061	0.1395	0.6428
EPA_FHM	0.9344	0.0656	0.9344	0.6347	0.5283
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2571	0.6710
er_tox_cdk_ECFP2	0.7333	0.2667	0.7333	0.3074	0.5983
er_tox_rdkit_ATOMPAIR	0.8852	0.1148	0.8852	0.4175	0.4809
er_tox_rdkit_AVALON	0.8852	0.1148	0.8852	0.6020	0.5823
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7947	0.4308
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	0.5709	0.5288
er_tox_rdkit_MORGAN	0.8226	0.1774	0.8226	0.2969	0.4064
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8910	0.2760
er_tox_rdkit_RDKITFP	0.7049	0.2951	0.7049	0.4215	0.6696
er_tox_rdkit_TORSION	0.9032	0.0968	0.9032	0.4609	0.5000
eucalyptus	0.5616	0.1753	0.5616	0.4455	0.4327
euthyroid	0.9525	0.0475	0.9525	0.7497	0.4699
exon.vs.intron-freq	0.9163	0.0837	0.9163	0.8320	0.3835
fbis-wc	0.7520	0.0292	0.7520	0.7181	0.2137
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.4000	0.1500	0.4000	0.2453	0.3652
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.5277	0.0062	0.5277	0.5070	0.5319
forest	0.9038	0.0481	0.9038	0.8673	0.1258
gas	0.9396	0.0201	0.9396	0.9268	0.1193
gastrointestinal	0.5625	0.2917	0.5625	0.3672	0.4340
gender	0.5789	0.2807	0.5789	0.0295	0.5287
gene	0.9211	0.0526	0.9211	0.8745	0.2327
german	0.6200	0.3800	0.6200	0.1183	0.9261
gina	0.8184	0.1816	0.8184	0.6352	0.5743
glass	0.6190	0.1270	0.6190	0.4633	0.2822
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.7143	0.2857	0.7143	0.4375	0.7044
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.7143	0.2857	0.7143	-0.0862	0.3628
gli_85	0.6250	0.3750	0.6250	0.3333	0.5239
glioma	0.6000	0.2000	0.6000	0.4444	0.1161
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.3333	0.3333	0.3333	0.0798	0.5567
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.8957	0.0174	0.8957	0.8767	0.0987
har70	0.8791	0.0346	0.8791	0.8257	0.1916
harth10%	0.8423	0.0263	0.8423	0.7860	0.2530
hayes-roth	0.6250	0.2500	0.6250	0.4074	0.3966
hcc-survival	0.5882	0.4118	0.5882	0.2323	0.7856
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.7333	0.2667	0.7333	0.4495	0.6523
hepatitis	0.6667	0.3333	0.6667	0.3590	0.5170

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7991	0.2009	0.7991	0.5974	0.5779
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.5644	0.4356	0.5644	0.0807	0.6303
higher	0.2857	0.1786	0.2857	0.1813	0.2648
hinselmann	0.6000	0.4000	0.6000	0.2857	0.5000
hiv1-proteasa	0.8600	0.1400	0.8600	0.5764	0.6219
hiva	0.9173	0.0827	0.9173	0.1466	0.5544
horse	0.5278	0.3148	0.5278	0.2697	0.7080
htru2	0.9676	0.0324	0.9676	0.8201	0.4058
ht-sensor	0.6823	0.2118	0.6823	0.5325	0.3535
hypothyroid	0.9920	0.0040	0.9920	0.9526	0.0810
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.0148	0.7591
immuno-therapy	0.8889	0.1111	0.8889	0.7273	0.4644
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	0.8667	0.0889	0.8667	0.7973	0.1994
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7959	0.0157	0.7959	0.7877	0.1696
jm1	0.8007	0.1993	0.8007	0.2565	0.7583
fvowels	0.8343	0.0368	0.8343	0.8123	0.2362
kc1	0.8057	0.1943	0.8057	0.2353	0.7684
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.1450	0.2379
kc1-class-level-top5percentDF	0.6667	0.3333	0.6667	-0.1194	0.4433
kc2	0.7885	0.2115	0.7885	0.5119	0.6113
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.6952	0.0339	0.6952	0.6618	0.3570
krvskp	0.9875	0.0125	0.9875	0.9749	0.0919
la1s-wc	0.7079	0.0974	0.7079	0.6320	0.3668
la2s-wc	0.6523	0.1159	0.6523	0.5469	0.4116
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.2941	0.0353	0.2941	0.2655	0.1347
led24	0.6500	0.0700	0.6500	0.6056	0.1543
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.8430	0.0121	0.8430	0.8367	0.1653
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.4444	0.0741	0.4444	0.4030	0.2317
linkage10%	0.9998	0.0002	0.9998	0.9721	0.1436
liver	0.6471	0.3529	0.6471	0.1535	0.9051
localization	0.5788	0.0766	0.5788	0.4499	0.5052
lrs	0.7170	0.0566	0.7170	0.6135	0.2354
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.8571	0.0571	0.8571	0.6957	0.1078
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.7500	0.1000	0.7500	0.4444	0.3989
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5102	0.1538
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.5758	0.2734
lymphoma2	0.4444	0.1235	0.4444	0.2500	0.2563
madelon	0.4923	0.5077	0.4923	-0.0154	0.7228
magic04	0.7980	0.2020	0.7980	0.5101	0.5844

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6265	0.6250
MAO_MACCS	0.5714	0.4286	0.5714	0.0000	0.5112
maternal	0.6535	0.2310	0.6535	0.4765	0.5755
messidor	0.5913	0.4087	0.5913	0.2371	0.7218
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	0.7778	0.1481	0.7778	0.6727	0.2872
meter-C	0.8333	0.0833	0.8333	0.7682	0.1516
meter-D	0.8333	0.0833	0.8333	0.7731	0.2038
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0832
mfeat-fou	0.7500	0.0500	0.7500	0.7222	0.2274
mfeat-kar	0.8200	0.0360	0.8200	0.8000	0.1973
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2158
mfeat-pix	0.8950	0.0210	0.8950	0.8833	0.1126
mfeat-zer	0.6950	0.0610	0.6950	0.6611	0.2802
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.5588	0.1765	0.5588	0.4492	0.3976
mobile	0.8077	0.0069	0.8077	0.8042	0.0815
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	0.9016	0.0984	0.9016	0.7821	0.4496
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	0.9963	0.0037	0.9963	0.9926	0.0289
musk	0.8818	0.1182	0.8818	0.3852	0.4426
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.7776
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3362	0.8559
MUT_ci300400a	0.6015	0.3985	0.6015	0.0775	0.5867
MUT_ci300400a_cdk_ECFP2	0.5995	0.4005	0.5995	0.0484	0.5438
myocardial	0.8471	0.0382	0.8471	0.4077	0.3886
naticusdroid	0.9458	0.0542	0.9458	0.8916	0.2662
nci9	0.3333	0.1481	0.3333	0.2500	0.1506
ncRNA10%	0.8950	0.0110	0.8950	0.7307	0.7807
newspop	0.5333	0.4667	0.5333	0.0026	0.5414
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9048	0.0952	0.9048	0.6957	0.5000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9286	0.0714	0.9286	0.8309	0.3903
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0348	0.7829
nursery	0.9761	0.0096	0.9761	0.9650	0.0534
obs	0.8889	0.0556	0.8889	0.8385	0.1510
occupancy	0.9908	0.0092	0.9908	0.9743	0.1094
Occupancy_Estimation	0.9852	0.0074	0.9852	0.9553	0.0751
oh0-wc	0.7921	0.0416	0.7921	0.7585	0.1607
oh10-wc	0.6476	0.0705	0.6476	0.5949	0.2718
oh15-wc	0.6630	0.0674	0.6630	0.6153	0.2604
oh5-wc	0.6484	0.0703	0.6484	0.5962	0.2571
opn310k	0.9142	0.0858	0.9142	0.1394	0.3390
opnat310k-hg16-17	0.9140	0.0860	0.9140	0.1363	0.3361
optdigits	0.8932	0.0214	0.8932	0.8813	0.1342
optdigitsZ	0.9911	0.0089	0.9911	0.9446	0.1384
orl	0.1500	0.0425	0.1500	0.1282	0.1882
orlraws10P	0.6000	0.0800	0.6000	0.5556	0.1140
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.8972	0.1028	0.8972	0.0243	0.5085
ozone8hr	0.8775	0.1225	0.8775	0.2131	0.6706
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9689	0.0124	0.9689	0.8409	0.3774

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.8661	0.1339	0.8661	0.6714	0.5728
pasture	0.7500	0.1667	0.7500	0.6000	0.1321
pc1	0.8739	0.1261	0.8739	0.1545	0.6696
pcmac	0.5670	0.4330	0.5670	-0.0225	0.7420
pd	0.8947	0.1053	0.8947	0.6981	0.4590
pediatric-leukemia	0.7059	0.0840	0.7059	0.6312	0.2136
pendigits	0.9554	0.0089	0.9554	0.9504	0.0675
period	0.7778	0.2222	0.7778	0.5714	0.5000
period-10f	0.6667	0.3333	0.6667	0.4000	0.5283
P-Glycoprotein_b_Inhibitor	0.7990	0.2010	0.7990	0.5634	0.6839
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8346
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7787	0.4355
P-Glycoprotein_RDkit_AtomPair_FP	0.5500	0.4500	0.5500	0.1000	0.9625
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9551	0.0449	0.9551	0.9067	0.2554
phoneme	0.7741	0.2259	0.7741	0.5261	0.6406
phy	0.6308	0.3692	0.6308	0.2594	0.7804
pima	0.7237	0.2763	0.7237	0.4443	0.7686
plx	0.5000	0.5000	0.5000	0.1290	0.7353
poker	0.6704	0.0659	0.6704	0.4077	0.3501
polish-1st	0.9431	0.0569	0.9431	0.4003	0.5898
polish-2nd	0.9469	0.0531	0.9469	0.0758	0.6230
polish-3rd	0.9343	0.0657	0.9343	0.0000	0.6446
polish-4th	0.9296	0.0704	0.9296	0.3630	0.6241
polish-5th	0.9137	0.0863	0.9137	0.4497	0.6198
polya	0.6432	0.3568	0.6432	0.0107	0.5529
popularity	0.6285	0.2477	0.6285	0.0009	0.4037
post-operative	0.2222	0.5185	0.2222	-0.2353	0.4471
postures	0.8686	0.0525	0.8686	0.8358	0.1889
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.8485
primary-tumor	0.4545	0.0496	0.4545	0.4024	0.2289
profb	0.6866	0.3134	0.6866	0.2064	0.8487
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9182	0.0327	0.9182	0.8903	0.1563
pufs-6410%	0.4988	0.5012	0.4988	-0.0029	0.7741
raisin	0.8556	0.1444	0.8556	0.7111	0.5296
re0-wc	0.6533	0.0533	0.6533	0.5531	0.3743
re1-wc	0.7831	0.0173	0.7831	0.7524	0.2081
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9974	0.0004	0.9974	0.9935	0.0062
satimage	0.8491	0.0503	0.8491	0.8149	0.2310
satimageF	0.9767	0.0233	0.9767	0.8875	0.3207
satimageT	0.8351	0.1649	0.8351	0.4429	0.5672
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.4412	0.5588	0.4412	-0.1176	0.9303
secom	0.8654	0.1346	0.8654	-0.0720	0.6558
secondary_mushroom	0.6777	0.3223	0.6777	0.3911	0.5106
segment	0.9221	0.0223	0.9221	0.9089	0.0971
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8527	0.1473	0.8527	0.2529	0.5841
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8105	0.1895	0.8105	0.1105	0.7732
sens-2-gram	0.8658	0.1342	0.8658	0.1223	0.5839
sens-3-gram	0.8605	0.1395	0.8605	0.0391	0.5724
sens-4-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sensorless	0.9171	0.0151	0.9171	0.9088	0.0791
sepsis	0.9048	0.0952	0.9048	0.0059	0.4403
shoppers	0.8589	0.1411	0.8589	0.5530	0.6251
shuttle	0.9995	0.0001	0.9995	0.9985	0.0788
sick	0.9735	0.0265	0.9735	0.7935	0.4020
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.9905	0.0095	0.9905	0.9716	0.1227
smk_can_187	0.5789	0.4211	0.5789	0.1461	0.9386
solar-flare	0.7338	0.0887	0.7338	0.6661	0.2640
sonar	0.4500	0.5500	0.4500	-0.1000	1.0000
soybean	0.9412	0.0062	0.9412	0.9356	0.0287
spambase	0.8978	0.1022	0.8978	0.7849	0.4431
spect	0.6667	0.3333	0.6667	0.3193	0.6720
spectf	0.8000	0.2000	0.8000	0.5505	0.6724
spectrometer	0.4717	0.0220	0.4717	0.4417	0.1608
splice-EI	0.9464	0.0536	0.9464	0.8672	0.3246
splice-IE	0.9274	0.0726	0.9274	0.8105	0.4206
sport-articles	0.8100	0.1900	0.8100	0.6078	0.6409
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8513	0.1487	0.8513	0.5033	0.6282
steel-d	0.9641	0.0359	0.9641	0.5154	0.5686
steel_industry	0.8896	0.0736	0.8896	0.8212	0.2493
steel-k	0.9590	0.0410	0.9590	0.8787	0.3194
steel-o	0.7128	0.2872	0.7128	0.2375	0.6082
steel-p	0.9128	0.0872	0.9128	0.5775	0.5714
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9487	0.0513	0.9487	0.7545	0.4850
studentap	0.6154	0.2564	0.6154	0.4196	0.4044
student-weekend	0.3385	0.2646	0.3385	0.0711	0.6934
student-workday	0.6406	0.1437	0.6406	0.1447	0.6636
susy10%	0.7600	0.2400	0.7600	0.5117	0.7259
swarm_aligned	0.9967	0.0033	0.9967	0.9922	0.0321
swarm_flocking	0.9717	0.0283	0.9717	0.9434	0.1588
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6032
Tdp_desc	0.5556	0.4444	0.5556	0.0526	0.7987
texture	0.8855	0.0208	0.8855	0.8736	0.1256
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7234	0.2766	0.7234	-0.0304	0.7956
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.8421	0.1579	0.8421	0.6646	0.5813
tis	0.8684	0.1316	0.8684	0.6356	0.5770
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.3143	0.2130
tox_171	0.3529	0.3235	0.3529	0.1422	0.5423
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.7059	0.2941	0.7059	0.3796	0.8113
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	0.0814	0.8638
trec11-wc	0.7317	0.0596	0.7317	0.6512	0.2219
trec12-wc	0.8065	0.0484	0.8065	0.7669	0.1321

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7476	0.1734
trec23-wc	0.8571	0.0476	0.8571	0.7907	0.1105
trec31-wc	0.8925	0.0307	0.8925	0.8579	0.1472
trec41-wc	0.9318	0.0136	0.9318	0.9164	0.0642
trec45-wc	0.7826	0.0435	0.7826	0.7511	0.1627
tuandromd	0.9776	0.0224	0.9776	0.9321	0.2192
turkish	0.6750	0.1625	0.6750	0.5667	0.3995
tvnews	0.8329	0.1671	0.8329	0.6350	0.6123
urban	0.8060	0.0431	0.8060	0.7739	0.1784
vehicle	0.7976	0.1012	0.7976	0.7187	0.2360
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8372	0.1628	0.8372	0.6760	0.5146
vowel	0.5051	0.0900	0.5051	0.4556	0.2723
vowelZ	0.9394	0.0606	0.9394	0.7179	0.5000
vrnormat310k-hg16-17	0.9085	0.0915	0.9085	0.0023	0.2664
wap-wc	0.6987	0.0301	0.6987	0.6563	0.1807
warpar10p	0.3846	0.1231	0.3846	0.3203	0.2205
warppiel0p	0.7619	0.0476	0.7619	0.7348	0.0977
watch-acc10%	0.8727	0.0364	0.8727	0.8511	0.1022
watch-gyr10%	0.8958	0.0298	0.8958	0.8782	0.0819
waveform	0.7000	0.2000	0.7000	0.5510	0.4990
web-phishing	0.8148	0.1235	0.8148	0.6871	0.4521
weight-lift	0.7712	0.0915	0.7712	0.7058	0.2801
white-clover	0.3333	0.3333	0.3333	0.0000	0.1934
wifi-loc	0.9700	0.0150	0.9700	0.9600	0.0613
wilt	0.9752	0.0248	0.9752	0.7803	0.4657
wine	0.8824	0.0784	0.8824	0.8068	0.1912
winequality-red	0.4969	0.1677	0.4969	0.2446	0.6445
winequality-white	0.4785	0.1490	0.4785	0.1984	0.6614
winnipeg	0.9623	0.0108	0.9623	0.9524	0.0842
yale	0.1250	0.1167	0.1250	0.0667	0.2359
yeast	0.4595	0.1081	0.4595	0.3246	0.4641
yeastCYT-POX	0.9184	0.0816	0.9184	0.4674	0.5000
yeastEXC	0.8919	0.1081	0.8919	0.2391	0.4063
yeastME1	0.9662	0.0338	0.9662	0.5293	0.5593
yeastME2	0.8716	0.1284	0.8716	0.1845	0.5320
zip	0.8785	0.0243	0.8785	0.8639	0.1721
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 145: Detailed results for CSB0(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0767	0.0637	0.0767	0.0379	0.6092
abalone19	0.9833	0.0167	0.9833	-0.0083	0.4907
abalone9-18	0.8219	0.1781	0.8219	0.2510	0.4737
accelerometer	0.9528	0.0472	0.9528	0.3396	0.4778
ads	0.9604	0.0396	0.9604	0.8210	0.2390
adult	0.8606	0.1394	0.8606	0.5821	0.5831
AID1284Morered	0.6111	0.3889	0.6111	-0.0815	0.6957
AID1284red	0.6389	0.3611	0.6389	-0.0636	0.7112
AID_1431	0.8333	0.1667	0.8333	0.0690	0.6929
AID1608Morered	0.7864	0.2136	0.7864	0.0605	0.5444
AID1608red	0.8544	0.1456	0.8544	0.0457	0.5889
AID_1878	0.7619	0.2381	0.7619	0.0150	0.8330
AID362red	0.9603	0.0397	0.9603	0.0878	0.4628
AID373AID439red	0.9992	0.0008	0.9992	-0.0003	0.2587
AID373red	0.9975	0.0025	0.9975	0.2094	0.4604
AID439Morered	0.8571	0.1429	0.8571	0.5882	0.5283
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9790	0.0210	0.9790	-0.0052	0.2048
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.8958	0.1042	0.8958	-0.0526	0.5632
AID604	0.9957	0.0043	0.9957	0.3030	0.5231
AID604AID644_AllRed	0.9978	0.0022	0.9978	0.1323	0.4884
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.7980	0.1347	0.7980	-0.0820	0.6412
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9943	0.0057	0.9943	-0.0029	0.5248
AID688red	0.9879	0.0121	0.9879	-0.0045	0.5315
AID721morered	0.4444	0.5556	0.4444	-0.0465	0.7758
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9980	0.0020	0.9980	0.2491	0.5039
AID746red	0.9915	0.0085	0.9915	0.1013	0.5487
AID_773	0.5926	0.4074	0.5926	-0.0206	0.5798
AID852_MACCS	0.8308	0.1692	0.8308	0.5731	0.6441
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9638	0.0181	0.9638	0.9313	0.2062
anuran-f-b	0.9903	0.0097	0.9903	0.6273	0.5307
anuran-genus	0.9458	0.0136	0.9458	0.9101	0.1692
anuran-species	0.9514	0.0097	0.9514	0.9325	0.1128
aps-failure	0.9780	0.0220	0.9780	0.5604	0.5467
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.8222	0.0273	0.8222	0.7430	0.2439
auction	0.9853	0.0147	0.9853	0.9349	0.2023
audiology	0.7391	0.0217	0.7391	0.6980	0.0667
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.7500	0.0833	0.7500	0.6587	0.1794
avila	0.8189	0.0302	0.8189	0.7651	0.2478
balance	0.7742	0.1505	0.7742	0.6213	0.4623
bank	0.8966	0.1034	0.8966	0.5747	0.6009
banknote	0.9489	0.0511	0.9489	0.8974	0.2570

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8341	0.1659	0.8341	0.6141	0.5251
basehock	0.8945	0.1055	0.8945	0.7891	0.3805
bio	0.9959	0.0041	0.9959	0.7437	0.2969
biodeg	0.8667	0.1333	0.8667	0.7278	0.5065
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9861	0.0010	0.9861	0.2525	0.3641
block10%	0.9999	0.0001	0.9999	0.9928	0.0368
block10%	0.9999	0.0001	0.9999	0.9928	0.0368
breast-cancer	0.5714	0.4286	0.5714	0.1429	0.8366
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.1270	0.8754
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.6970	0.0779
bub10at310k-hg16-17	0.9138	0.0862	0.9138	0.1190	0.3048
bze_3d_rdkit_descriptors	0.6829	0.3171	0.6829	0.3193	0.7016
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9275	0.0725	0.9275	0.8477	0.3213
car	0.9253	0.0374	0.9253	0.8465	0.2271
card	0.8551	0.1449	0.8551	0.7108	0.5158
cardiotocography	0.8592	0.0282	0.8592	0.8307	0.1783
cardiotocography-nsp	0.8826	0.0782	0.8826	0.7183	0.4446
cargo2k	0.9975	0.0017	0.9975	0.9962	0.0099
cars	0.7250	0.1833	0.7250	0.5378	0.4967
cas_N6512_cdk_ECFP2	0.5607	0.4393	0.5607	0.0526	0.6098
cdc_diabetes	0.8205	0.1197	0.8205	0.3249	0.4550
census10%	0.9114	0.0886	0.9114	0.3873	0.6156
central-nervous-system	0.1667	0.8333	0.1667	-0.6667	0.9586
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.8721	0.1279	0.8721	0.2050	0.5928
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.8605	0.1395	0.8605	0.7159	0.5084
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9994	0.0006	0.9994	0.7580	0.4743
ci100410h_MACCS	0.8438	0.1562	0.8438	0.5181	0.6559
ci200186.atompair_fp	0.7636	0.2364	0.7636	0.5431	0.5909
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6534	0.6013
ci200186m.ExtendedFingerprinter	0.8182	0.1818	0.8182	0.6071	0.6470
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2771	0.7616
cirrhosis	0.7143	0.1905	0.7143	0.4286	0.5050
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7537	0.1231	0.7537	0.6266	0.5067
climate	0.8333	0.1667	0.8333	0.3269	0.5540
cil_sub_111	0.4167	0.3889	0.4167	0.1250	0.5356
cm1	0.7400	0.2600	0.7400	0.1975	0.5883
cmc	0.5510	0.2993	0.5510	0.3220	0.6875
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0765
codon_usage	0.7076	0.0532	0.7076	0.6432	0.3866
coil20	0.9167	0.0083	0.9167	0.9123	0.0546
collins	0.6400	0.0480	0.6400	0.6040	0.2029
colon-tumor	0.6667	0.3333	0.6667	0.2500	0.8750
colposcopies-1	0.6552	0.3448	0.6552	0.2714	0.8634
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.6897	0.3103	0.6897	0.2521	0.8468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.0333	0.8275
colposcopies-6	0.6207	0.3793	0.6207	0.2238	0.7270
colposcopies-c	0.7586	0.2414	0.7586	0.4700	0.6607
column-2c	0.8387	0.1613	0.8387	0.6737	0.4644
column-3c	0.7419	0.1720	0.7419	0.5804	0.3096
connect-4	0.9671	0.0219	0.9671	0.5427	0.5269
cottonmeloidogyne	0.5769	0.4231	0.5769	0.1602	0.6314
coupon	0.7019	0.2981	0.7019	0.3896	0.8224
covtype	0.6922	0.0879	0.6922	0.4950	0.2862
covtypeCD	0.9677	0.0323	0.9677	0.8678	0.3291
covtypeT	0.9618	0.0382	0.9618	0.7526	0.4855
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8682	0.0439	0.8682	0.7261	0.4063
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2596	0.1219
cyclopentane	0.6296	0.3704	0.6296	0.2373	0.9000
cylinder-bands	0.7037	0.2963	0.7037	0.3504	0.6949
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.5385	0.4615	0.5385	-0.1471	0.4353
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8133	0.1867	0.8133	0.4223	0.7188
deposit	0.8797	0.1203	0.8797	0.5032	0.6393
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.7500	0.1667	0.7500	0.5897	0.3125
dexter	0.8500	0.1500	0.8500	0.7000	0.5201
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.8846	0.1154	0.8846	0.7607	0.4829
diabetic10%	0.5393	0.3071	0.5393	0.0050	0.3810
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.0685	0.9943
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5553	0.4447	0.5553	0.0796	0.8830
dropout	0.7223	0.1851	0.7223	0.5214	0.4616
drug-01	0.2234	0.2219	0.2234	0.0522	0.7824
drug-02	0.3298	0.1915	0.3298	0.1041	0.8121
drug-03	0.6702	0.0942	0.6702	0.0102	0.4118
drug-04	0.3936	0.1733	0.3936	0.0945	0.8337
drug-05	0.6862	0.0897	0.6862	-0.0348	0.5244
drug-06	0.4149	0.1672	0.4149	0.2498	0.5368
drug-07	0.2234	0.2219	0.2234	0.0496	0.7261
drug-08	0.4362	0.1611	0.4362	0.1739	0.7780
drug-09	0.7819	0.0623	0.7819	0.0491	0.5984
drug-10	0.4202	0.1657	0.4202	0.0867	0.7955
drug-11	0.5372	0.1322	0.5372	0.0867	0.6610
drug-12	0.7287	0.0775	0.7287	-0.0487	0.6437
drug-13	0.5585	0.1261	0.5585	0.2650	0.7315
drug-14	0.5106	0.1398	0.5106	0.2592	0.7195
drug-15	0.6011	0.1140	0.6011	0.1741	0.7528
drug-16	0.5372	0.1322	0.5372	0.3058	0.6665
drug-17	0.2074	0.2264	0.2074	0.0471	0.8236
drug-18	0.9734	0.0106	0.9734	-0.0053	0.1729
drug-19	0.7021	0.0851	0.7021	-0.0420	0.5776
drybean	0.9280	0.0206	0.9280	0.9129	0.1173
ecoli	0.8529	0.0368	0.8529	0.7954	0.1450
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.6970	0.3030	0.6970	0.1667	0.5194
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1241	0.1095	0.1241	0.1020	0.5140
eeg-eye	0.6035	0.3965	0.6035	0.1306	0.5937
EPA_FHM	0.9180	0.0820	0.9180	0.5041	0.5919
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3286	0.6497
er_tox_cdk_ECFP2	0.7167	0.2833	0.7167	0.2544	0.6130
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.3807	0.4613
er_tox_rdkit_AVALON	0.9016	0.0984	0.9016	0.6726	0.5112
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.8871	0.1129	0.8871	0.6528	0.5611
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8710	0.1290	0.8710	0.3815	0.4613
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8910	0.2760
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6510	0.5489
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	0.5110	0.5170
eucalyptus	0.7671	0.0932	0.7671	0.6960	0.2331
euthyroid	0.9494	0.0506	0.9494	0.7366	0.4856
exon.vs.intron-freq	0.9174	0.0826	0.9174	0.8342	0.3802
fbis-wc	0.7846	0.0253	0.7846	0.7558	0.2013
fda.atompair_fp	0.7273	0.2727	0.7273	0.2326	0.8276
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.4500	0.1375	0.4500	0.3103	0.3287
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5343	0.0060	0.5212	0.5132	0.5369
forest	0.8846	0.0577	0.8846	0.8407	0.1631
gas	0.9403	0.0199	0.9403	0.9277	0.1142
gastrointestinal	0.6250	0.2500	0.6250	0.4514	0.4205
gender	0.5874	0.2751	0.5874	0.0194	0.4775
gene	0.9527	0.0315	0.9527	0.9244	0.1430
german	0.6000	0.4000	0.6000	0.1091	0.9359
gina	0.8098	0.1902	0.8098	0.6176	0.5786
glass	0.7619	0.0794	0.7619	0.6635	0.2371
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.6667	0.3333	0.6667	0.3226	0.8108
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.7143	0.2857	0.7143	-0.0862	0.3628
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.4000	0.3000	0.4000	0.2105	0.2869
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.7200	0.4011
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1916	0.5338
haberman	0.6333	0.3667	0.6333	0.0984	0.8913
hapt	0.9030	0.0162	0.9030	0.8855	0.1405
har70	0.8626	0.0338	0.8812	0.8217	0.1916
harth10%	0.8418	0.0264	0.8418	0.7836	0.2177
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5294	0.4706	0.5294	0.1053	0.9033
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.5455	0.5283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7984	0.2016	0.7984	0.5961	0.5772
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.5537	0.4463	0.5537	0.0556	0.5929
higher	0.3571	0.1607	0.3571	0.2317	0.3177
hinselmann	0.5000	0.5000	0.5000	0.0000	0.7460
hiv1-proteasa	0.8600	0.1400	0.8600	0.5792	0.6187
hiva	0.9267	0.0733	0.9267	0.1689	0.5786
horse	0.6111	0.2593	0.6111	0.4007	0.6237
htru2	0.9682	0.0318	0.9682	0.8210	0.3987
ht-sensor	0.6899	0.2068	0.6899	0.5434	0.3597
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9920	0.0080	0.9920	0.9465	0.2137
ilpd	0.6780	0.3220	0.6780	-0.0163	0.8299
immuno-therapy	0.8889	0.1111	0.8889	0.7273	0.4644
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6277	0.0286	0.6277	0.6128	0.2688
jm1	0.8062	0.1938	0.8062	0.2319	0.7320
fvowels	0.8363	0.0364	0.8363	0.8142	0.1945
kc1	0.7867	0.2133	0.7867	0.2016	0.7782
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.5000	0.5000
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.0735	0.2202
kc1-class-level-top5percentDF	0.8000	0.2000	0.8000	-0.0976	0.5661
kc2	0.7500	0.2500	0.7500	0.4513	0.6173
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8250	0.0194	0.8250	0.8046	0.2159
krvskp	0.9875	0.0125	0.9875	0.9749	0.0919
la1s-wc	0.6508	0.1164	0.6508	0.5768	0.3686
la2s-wc	0.7185	0.0938	0.7185	0.6563	0.3307
labor	0.6667	0.3333	0.6667	0.4000	0.5283
leaf	0.6765	0.0162	0.6765	0.6612	0.0671
led24	0.6000	0.0800	0.6000	0.5543	0.1717
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8595	0.0108	0.8595	0.8539	0.1443
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5833	0.0556	0.5833	0.5534	0.1387
linkage10%	0.9998	0.0002	0.9998	0.9789	0.1170
liver	0.6765	0.3235	0.6765	0.1614	0.8608
localization	0.4679	0.0967	0.4679	0.3291	0.6197
lrs	0.7547	0.0491	0.7547	0.6628	0.1808
lsvt	0.6923	0.3077	0.6923	0.4348	0.5283
lung	0.9048	0.0381	0.9048	0.8197	0.1722
lung-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8400	0.0648
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.4510	0.3188
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7880	0.2120	0.7880	0.4814	0.5924

Continued on next page

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5399	0.7171
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6337	0.2442	0.6337	0.4482	0.5948
messidor	0.6000	0.4000	0.6000	0.2486	0.7467
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9100	0.0180	0.9100	0.9000	0.1079
mfeat-fou	0.6600	0.0680	0.6600	0.6222	0.2843
mfeat-kar	0.7400	0.0520	0.7400	0.7111	0.2787
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.2002
mfeat-pix	0.9150	0.0170	0.9150	0.9056	0.1044
mfeat-zer	0.6600	0.0680	0.6600	0.6222	0.2816
mice-prot	0.9352	0.0162	0.9352	0.9258	0.0750
mines	0.6176	0.1529	0.6176	0.5196	0.3376
mobile	0.6364	0.0130	0.6364	0.6298	0.1686
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	0.6885	0.3115	0.6885	0.3607	0.8042
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	0.9975	0.0025	0.9975	0.9951	0.0207
musk	0.8818	0.1182	0.8818	0.3852	0.4426
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9994
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.7683
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3812	0.8199
MUT_ci300400a	0.5965	0.4035	0.5965	0.0659	0.6118
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8294	0.0426	0.8294	0.3852	0.6184
naticusdroid	0.9451	0.0549	0.9451	0.8902	0.2683
nci9	0.3333	0.1481	0.3333	0.2000	0.1720
ncRNA10%	0.9025	0.0103	0.9025	0.7395	0.5993
newspop	0.5333	0.4667	0.5333	0.0024	0.5283
new-thyroid	0.9048	0.0635	0.9048	0.7586	0.1376
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9263	0.0737	0.9263	0.8250	0.3986
NPHA-doctor-visits	0.3333	0.4444	0.3333	-0.1006	0.8333
nursery	0.9954	0.0019	0.9954	0.9932	0.0214
obs	0.9352	0.0324	0.9352	0.9055	0.0976
occupancy	0.9908	0.0092	0.9908	0.9744	0.1112
Occupancy_Estimation	0.9901	0.0049	0.9901	0.9700	0.0465
oh0-wc	0.8713	0.0257	0.8713	0.8536	0.1341
oh10-wc	0.7524	0.0495	0.7524	0.7207	0.2453
oh15-wc	0.8261	0.0348	0.8261	0.8032	0.1644
oh5-wc	0.7692	0.0462	0.7692	0.7415	0.2073
opn310k	0.9138	0.0862	0.9138	0.1190	0.3048
opnat310k-hg16-17	0.9132	0.0868	0.9132	0.1059	0.2983
optdigits	0.9199	0.0160	0.9199	0.9110	0.1045
optdigitsZ	0.9893	0.0107	0.9893	0.9364	0.2203
orl	0.4500	0.0275	0.4500	0.4359	0.1051
orlraws10P	0.5000	0.1000	0.5000	0.4444	0.1257
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9130	0.0870	0.9130	0.1126	0.5468
ozone8hr	0.8261	0.1739	0.8261	0.1562	0.6133
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9671	0.0132	0.9671	0.8355	0.4039

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.8675	0.1325	0.8675	0.6748	0.5694
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.8829	0.1171	0.8829	0.1721	0.6762
pcmac	0.5773	0.4227	0.5773	-0.0062	0.6352
pd	0.8816	0.1184	0.8816	0.6667	0.5236
pediatric-leukemia	0.7647	0.0672	0.7647	0.7091	0.2067
pendigits	0.9709	0.0058	0.9709	0.9676	0.0460
period	0.7778	0.2222	0.7778	0.5714	0.5000
period-10f	0.7778	0.2222	0.7778	0.4000	0.4011
P-Glycoprotein_b_Inhibitor	0.8093	0.1907	0.8093	0.5916	0.6569
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.7845
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7460	0.5006
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7500	0.2500	0.7500	0.5098	0.6824
phishing	0.9306	0.0694	0.9306	0.8552	0.3478
phoneme	0.7667	0.2333	0.7667	0.5202	0.6234
phy	0.6284	0.3716	0.6284	0.2546	0.7827
pima	0.7237	0.2763	0.7237	0.4316	0.7900
plx	0.3889	0.6111	0.3889	-0.1647	0.8847
poker	0.6540	0.0692	0.6540	0.3745	0.7784
polish-1st	0.9374	0.0626	0.9374	0.4061	0.5753
polish-2nd	0.9469	0.0531	0.9469	0.0457	0.6222
polish-3rd	0.9219	0.0781	0.9219	0.1705	0.6378
polish-4th	0.9347	0.0653	0.9347	0.3617	0.6228
polish-5th	0.9205	0.0795	0.9205	0.4409	0.6250
polya	0.6432	0.3568	0.6432	0.0107	0.5529
popularity	0.6308	0.2462	0.6308	0.0011	0.3304
post-operative	0.1111	0.5926	0.1111	-0.5000	0.4711
postures	0.8429	0.0628	0.8429	0.8033	0.2315
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.8025
primary-tumor	0.3939	0.0551	0.3939	0.3272	0.2324
profb	0.6418	0.3582	0.6418	0.1047	0.9091
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	0.6364	0.3636	0.6364	0.2143	0.5000
puc-rio	0.8997	0.0401	0.8997	0.8639	0.1526
pufs-6410%	0.4980	0.5020	0.4980	-0.0039	1.0000
raisin	0.8778	0.1222	0.8778	0.7556	0.4920
re0-wc	0.6200	0.0585	0.6200	0.5584	0.3681
re1-wc	0.8133	0.0149	0.8133	0.7901	0.2040
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9979	0.0004	0.9979	0.9947	0.0077
satimage	0.8476	0.0508	0.8476	0.8127	0.2341
satimageF	0.9782	0.0218	0.9782	0.8944	0.3076
satimageT	0.8445	0.1555	0.8445	0.4416	0.5915
scadi	0.5714	0.1224	0.5714	0.4750	0.1440
schiller	0.7778	0.2222	0.7778	0.5263	0.5283
schizo	0.4412	0.5588	0.4412	-0.1176	0.9303
secom	0.9038	0.0962	0.9038	-0.0446	0.6930
secondary_mushroom	0.6854	0.3146	0.6854	0.4047	0.5083
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8721	0.1279	0.8721	0.2906	0.6050
semeion	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram	0.8395	0.1605	0.8395	0.0888	0.7435
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8658	0.1342	0.8658	0.0500	0.4928
sens-4-gram	0.8421	0.1579	0.8421	-0.0459	0.7028
sensorless	0.9477	0.0095	0.9477	0.9425	0.0596
sepsis	0.9060	0.0940	0.9060	0.0123	0.4113
shoppers	0.8637	0.1363	0.8637	0.5669	0.6179
shuttle	0.9997	0.0001	0.9997	0.9990	0.0693
sick	0.9708	0.0292	0.9708	0.7844	0.4383
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	0.9904	0.0096	0.9904	0.9713	0.1235
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7482	0.0839	0.7482	0.6776	0.2505
sonar	0.5000	0.5000	0.5000	0.0000	0.9934
soybean	0.9559	0.0046	0.9559	0.9517	0.0240
spambase	0.9000	0.1000	0.9000	0.7889	0.4331
spect	0.7037	0.2963	0.7037	0.3684	0.6735
spectf	0.8000	0.2000	0.8000	0.5505	0.6724
spectrometer	0.4151	0.0244	0.4151	0.3830	0.1681
splice-EI	0.9621	0.0379	0.9621	0.9044	0.2680
splice-IE	0.9274	0.0726	0.9274	0.8121	0.4177
sport-articles	0.8300	0.1700	0.8300	0.6452	0.6110
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.8513	0.1487	0.8513	0.4718	0.5877
steel-d	0.9744	0.0256	0.9744	0.6539	0.5313
steel_industry	0.8864	0.0757	0.8864	0.8161	0.2572
steel-k	0.9692	0.0308	0.9692	0.9074	0.2597
steel-o	0.7333	0.2667	0.7333	0.3200	0.6687
steel-p	0.8821	0.1179	0.8821	0.5099	0.5515
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9692	0.0308	0.9692	0.8467	0.3920
studentap	0.6923	0.2051	0.6923	0.5094	0.3995
student-weekend	0.4000	0.2400	0.4000	0.2245	0.6697
student-workday	0.6406	0.1437	0.6406	0.2030	0.4229
susy10%	0.7589	0.2411	0.7589	0.5090	0.7267
swarm_aligned	0.9971	0.0029	0.9971	0.9932	0.0236
swarm_flocking	0.9823	0.0282	0.9587	0.9511	0.1622
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.4920
Tdp_desc	0.6667	0.3333	0.6667	0.1818	0.8134
texture	0.9382	0.0112	0.9382	0.9318	0.0714
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.6809	0.3191	0.6809	0.0276	0.7478
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.8737	0.1263	0.8737	0.7297	0.5135
tis	0.8706	0.1294	0.8706	0.6399	0.5688
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8298	0.0994
tox_171	0.6471	0.1765	0.6471	0.5211	0.2848
toxicity	0.5882	0.4118	0.5882	0.1314	0.9243
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	0.0814	0.8638
trec11-wc	0.8537	0.0325	0.8537	0.8226	0.1349
trec12-wc	0.8387	0.0403	0.8387	0.8067	0.1290

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8328	0.2180
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9570	0.0123	0.9570	0.9425	0.0673
trec41-wc	0.9659	0.0068	0.9659	0.9587	0.0747
trec45-wc	0.9420	0.0116	0.9420	0.9322	0.0472
tuandromd	0.9776	0.0224	0.9776	0.9321	0.2192
turkish	0.7500	0.1250	0.7500	0.6667	0.2855
tvnews	0.8325	0.1675	0.8325	0.6321	0.6100
urban	0.7910	0.0464	0.7910	0.7562	0.1877
vehicle	0.7738	0.1131	0.7738	0.6974	0.2288
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5758	0.0771	0.5758	0.5333	0.2439
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9086	0.0914	0.9086	0.0025	0.2606
wap-wc	0.7372	0.0263	0.7372	0.7069	0.2206
warpar10p	0.6154	0.0769	0.6154	0.5667	0.1262
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9063	0.0268	0.9063	0.8904	0.1037
watch-gyr10%	0.8961	0.0297	0.8961	0.8787	0.1063
waveform	0.7000	0.2000	0.7000	0.5498	0.5040
web-phishing	0.8593	0.0938	0.8593	0.7554	0.4069
weight-lift	0.6418	0.1433	0.6418	0.5498	0.3007
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9750	0.0125	0.9750	0.9667	0.0484
wilt	0.9772	0.0228	0.9772	0.8019	0.4518
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4277	0.1908	0.4277	0.2221	0.4935
winequality-white	0.4438	0.1589	0.4438	0.2268	0.7181
winnipeg	0.9344	0.0187	0.9344	0.9174	0.1088
yale	0.5000	0.0667	0.5000	0.4644	0.1244
yeast	0.4797	0.1041	0.4797	0.3534	0.5997
yeastCYT-POX	0.8980	0.1020	0.8980	0.4068	0.4711
yeastEXC	0.8986	0.1014	0.8986	0.2530	0.4194
yeastME1	0.9730	0.0270	0.9730	0.6542	0.5283
yeastME2	0.8851	0.1149	0.8851	0.2703	0.5404
zip	0.7903	0.0419	0.7903	0.7654	0.2541
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 146: Detailed results for CSB1(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1319	0.0599	0.1319	0.0764	0.5914
abalone19	0.9378	0.0622	0.9378	-0.0129	0.1864
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.7643	0.2357	0.7643	0.0952	0.1791
ads	0.6037	0.3963	0.6037	0.2470	0.4521
adult	0.4877	0.5123	0.4877	0.1855	0.5088
AID1284Morered	0.7500	0.2500	0.7500	0.1649	0.7334
AID1284red	0.6667	0.3333	0.6667	0.0730	0.6931
AID_1431	0.4048	0.5952	0.4048	0.0264	0.3744
AID1608Morered	0.4854	0.5146	0.4854	0.0123	0.3509
AID1608red	0.4660	0.5340	0.4660	0.0538	0.2728
AID_1878	0.3333	0.6667	0.3333	0.0442	0.5089
AID362red	0.9136	0.0864	0.9136	0.0754	0.2897
AID373AID439red	0.9993	0.0007	0.9993	-0.0003	0.3124
AID373red	0.9977	0.0023	0.9977	0.1239	0.4716
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9890	0.0110	0.9890	-0.0044	0.3483
AID600_MACCS	0.6486	0.3514	0.6486	0.3079	0.8408
AID_602330	0.3333	0.6667	0.3333	0.0078	0.1936
AID604	0.6223	0.3777	0.6223	0.0115	0.0264
AID604AID644_AllRed	0.9988	0.0012	0.9988	0.2217	0.4869
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.1304	0.8900
AID_652128	0.5556	0.2963	0.5556	-0.0446	0.5611
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.5745	0.4255	0.5745	0.0011	0.0248
AID688red	0.2008	0.7992	0.2008	-0.0010	0.0453
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9960	0.0040	0.9960	0.0755	0.3354
AID746red	0.2732	0.7268	0.2732	0.0026	0.0278
AID_773	0.7037	0.2963	0.7037	-0.1613	0.6807
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9656	0.0636
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9791	0.0052	0.9791	0.9656	0.0796
anuran-species	0.9736	0.0053	0.9736	0.9632	0.0418
aps-failure	0.8183	0.1817	0.8183	0.1349	0.2188
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7778	0.0342	0.7778	0.6514	0.2195
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6957	0.0254	0.6957	0.6382	0.1055
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8000	0.1294
avila	0.8582	0.0236	0.8582	0.8225	0.0926
balance	0.7581	0.1613	0.7581	0.6063	0.3516
bank	0.2848	0.7152	0.2848	0.0514	0.3004
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.4631	0.5369	0.4631	0.1128	0.6020
basehock	0.9698	0.0302	0.9698	0.9397	0.1709
bio	0.6489	0.3511	0.6489	0.0308	0.0687
biodeg	0.7905	0.2095	0.7905	0.5875	0.6006
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.6829	0.0219	0.6829	0.0582	0.2363
block10%	1.0000	0.0000	1.0000	0.9952	0.0209
block10%	1.0000	0.0000	1.0000	0.9952	0.0209
breast-cancer	0.6071	0.3929	0.6071	0.2804	0.6886
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1430
bub10at310k-hg16-17	0.1176	0.8824	0.1176	0.0053	0.2254
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6578	0.5785
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9750	0.0198
card	0.8986	0.1014	0.8986	0.7928	0.4424
cardiotocography	0.8498	0.0300	0.8498	0.8203	0.1861
cardiotocography-nsp	0.8967	0.0689	0.8967	0.7440	0.3768
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6555	0.4186
cas_N6512_cdk_ECFP2	0.4869	0.5131	0.4869	0.0440	0.5710
cdc_diabetes	0.0800	0.6133	0.0800	0.0093	0.3121
census10%	0.3506	0.6494	0.3506	0.0500	0.2089
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9070	0.0930	0.9070	0.3824	0.6037
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9988	0.0012	0.9988	0.5835	0.5307
ci100410h_MACCS	0.6250	0.3750	0.6250	0.0900	0.8264
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7785	0.3833
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6347	0.5902
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3479	0.7819
cirrhosis	0.7143	0.1905	0.7143	0.4337	0.5079
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8269	0.0866	0.8269	0.7373	0.4120
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.5374	0.3084	0.5374	0.2953	0.7009
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0609
codon_usage	0.8181	0.0331	0.8181	0.7822	0.1907
coil20	0.9722	0.0028	0.9722	0.9708	0.0195
collins	0.9600	0.0053	0.9600	0.9561	0.0267
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.0201	0.9615
colposcopies-2	0.4828	0.5172	0.4828	-0.1600	1.0000
colposcopies-3	0.5862	0.4138	0.5862	0.1471	0.9416
colposcopies-4	0.6897	0.3103	0.6897	0.1212	0.8758

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6552	0.3448	0.6552	0.3029	0.8444
colposcopies-c	0.6552	0.3448	0.6552	0.2120	0.8102
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9661	0.0226	0.9661	0.5514	0.5072
cottonmeloidogyne	0.5337	0.4663	0.5337	0.0592	0.6453
coupon	0.5505	0.4495	0.5505	0.1476	0.8657
covtype	0.2998	0.2001	0.2998	0.1435	0.4089
covtypeCD	0.8583	0.1416	0.8583	0.5821	0.5293
covtypeT	0.8174	0.1826	0.8174	0.3589	0.4721
cox2_cdk_ECFP2	0.4783	0.5217	0.4783	0.0995	0.6326
crowdsourced	0.7843	0.0719	0.7843	0.6272	0.4596
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3253	0.1084
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.6296	0.3704	0.6296	0.2752	0.8571
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.2247	0.7753	0.2247	0.0011	0.4231
deposit	0.1464	0.8536	0.1464	0.0080	0.2743
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9167	0.0833	0.9167	0.8333	0.2846
dhfr_cdk_ECFP2	0.6447	0.3553	0.6447	0.3372	0.7128
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.1130	0.5914	0.1130	0.0006	0.4006
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4507	0.5493	0.4507	-0.0734	0.9827
dropout	0.3273	0.4485	0.3273	0.1402	0.4965
drug-01	0.1649	0.2386	0.1649	0.0419	0.7175
drug-02	0.1755	0.2356	0.1755	0.0603	0.7303
drug-03	0.1968	0.2295	0.1968	0.0358	0.5828
drug-04	0.1596	0.2401	0.1596	0.0591	0.7654
drug-05	0.1543	0.2416	0.1543	0.0016	0.6435
drug-06	0.1915	0.2310	0.1915	0.0874	0.6322
drug-07	0.1755	0.2356	0.1755	-0.0109	0.5633
drug-08	0.2340	0.2188	0.2340	0.1074	0.5870
drug-09	0.3457	0.1869	0.3457	-0.0163	0.3785
drug-10	0.1489	0.2432	0.1489	0.0090	0.7546
drug-11	0.4947	0.1444	0.4947	0.0998	0.5148
drug-12	0.3191	0.1945	0.3191	0.0768	0.5687
drug-13	0.3085	0.1976	0.3085	0.1227	0.7518
drug-14	0.2872	0.2036	0.2872	0.1430	0.5629
drug-15	0.3032	0.1991	0.3032	0.0383	0.7222
drug-16	0.2819	0.2052	0.2819	0.1326	0.5689
drug-17	0.1223	0.2508	0.1223	0.0223	0.7574
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.2021	0.2280	0.2021	0.0423	0.6203
drybean	0.9317	0.0195	0.9317	0.9173	0.1123
ecoli	0.7353	0.0662	0.7353	0.6353	0.1755
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1654	0.1043	0.1654	0.1371	0.5466
eeg-eye	0.5661	0.4339	0.5661	0.1919	0.6111
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.4521	0.7087
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.5000	0.6878
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.2009	0.6023
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6449	0.6117
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.3564	0.5599
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5260	0.6945
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	0.4061	0.5795
eucalyptus	0.6575	0.1370	0.6575	0.5668	0.3580
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.8756	0.1244	0.8756	0.7476	0.3988
fbis-wc	0.8089	0.0225	0.8089	0.7831	0.1483
fda.atompair_fp	0.5455	0.4545	0.5455	-0.0377	0.9115
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6815	0.1342
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5277	0.0062	0.5277	0.5070	0.5319
forest	0.8654	0.0673	0.8654	0.8129	0.1537
gas	0.9863	0.0046	0.9863	0.9834	0.0345
gastrointestinal	0.8125	0.1250	0.8125	0.6863	0.3242
gender	0.1789	0.5474	0.1789	0.0313	0.5572
gene	0.9274	0.0484	0.9274	0.8837	0.2176
german	0.4300	0.5700	0.4300	0.0436	0.7641
gina	0.6657	0.3343	0.6657	0.3378	0.7251
glass	0.8095	0.0635	0.8095	0.7308	0.1751
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8571	0.1429	0.8571	0.7085	0.5490
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4608
haberman	0.5333	0.4667	0.5333	-0.0294	0.8934
hapt	0.9506	0.0082	0.9506	0.9416	0.0721
har70	0.3505	0.1856	0.3505	0.2982	0.2433
harth10%	0.5499	0.0750	0.5499	0.4292	0.2589
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.7647	0.2353	0.7647	0.4925	0.6907
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8667	0.1333	0.8667	0.7273	0.3522
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.4971	0.5029	0.4971	0.0003	0.5299
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higgs10%	0.4749	0.5251	0.4749	0.0076	0.5394
higher	0.3571	0.1607	0.3571	0.2222	0.2572
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.7403	0.2597	0.7403	0.4105	0.5743
hiva	0.3546	0.6454	0.3546	0.0010	0.1791
horse	0.6111	0.2593	0.6111	0.3077	0.6325
htru2	0.7022	0.2978	0.7022	0.2633	0.4464
ht-sensor	0.7355	0.1763	0.7355	0.5946	0.1928
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6271	0.3729	0.6271	0.1774	0.8671
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8601	0.0108	0.8601	0.8545	0.1176
jm1	0.1947	0.8053	0.1947	-0.0052	0.4168
fvowels	0.9689	0.0069	0.9689	0.9647	0.0550
kc1	0.2417	0.7583	0.2417	0.0259	0.3895
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.1954	0.1190
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.5000	0.5000	0.5000	-0.0227	0.7802
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9276	0.0080	0.9276	0.9192	0.1039
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8286	0.0571	0.8286	0.7856	0.2966
la2s-wc	0.8609	0.0464	0.8609	0.8258	0.2435
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6314	0.0545
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9400	0.0046	0.9400	0.9376	0.0694
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8207	0.0660
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6765	0.3235	0.6765	0.3661	0.7436
localization	0.0598	0.1709	0.0598	0.0420	0.5145
lrs	0.8302	0.0340	0.8302	0.7647	0.1162
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6178	0.1332
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4962	0.5038	0.4962	-0.0077	0.6194
magic04	0.3740	0.6260	0.3740	0.0243	0.5196

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6274	0.6117
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7759	0.3243
messidor	0.5391	0.4609	0.5391	-0.0099	0.9280
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0649
mfeat-fou	0.7750	0.0450	0.7750	0.7500	0.1679
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0602
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.2093
mfeat-pix	0.9450	0.0110	0.9450	0.9389	0.0690
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1530
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4832	0.4767
mobile	0.8497	0.0054	0.8497	0.8469	0.0662
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.7985	0.2015	0.7985	0.4969	0.5294
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9407
mutagen_class_2	0.5588	0.4412	0.5588	0.1176	0.6547
mutagen_class_3	0.5217	0.4783	0.5217	0.0493	0.9449
mutagens_ExtendedFingerprinter	0.6029	0.3971	0.6029	0.2059	0.8332
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4090	0.8123
MUT_ci300400a	0.5025	0.4975	0.5025	0.1087	0.6523
MUT_ci300400a_cdk_ECFP2	0.4676	0.5324	0.4676	0.0648	0.6571
myocardial	0.8706	0.0324	0.8706	0.3989	0.3896
naticusdroid	0.9056	0.0944	0.9056	0.8112	0.3319
nci9	0.3333	0.1481	0.3333	0.2258	0.1169
ncRNA10%	0.5238	0.0501	0.5238	0.2952	0.7053
newspop	0.4692	0.5308	0.4692	0.0022	0.5609
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7678	0.2322	0.7678	0.5413	0.5309
NPHA-doctor-visits	0.3056	0.4630	0.3056	0.0044	0.7707
nursery	0.9969	0.0012	0.9969	0.9955	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9893	0.0107	0.9893	0.9704	0.1237
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0410
oh0-wc	0.8713	0.0257	0.8713	0.8523	0.1204
oh10-wc	0.7238	0.0552	0.7238	0.6853	0.2557
oh15-wc	0.8261	0.0348	0.8261	0.8024	0.1651
oh5-wc	0.8022	0.0396	0.8022	0.7766	0.1809
opn310k	0.1286	0.8714	0.1286	0.0069	0.2314
opnat310k-hg16-17	0.1250	0.8750	0.1250	0.0065	0.2290
optdigits	0.9609	0.0078	0.9609	0.9565	0.0554
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6250	0.0187	0.6250	0.6154	0.0671
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8498	0.1502	0.8498	0.2783	0.3796
ozone8hr	0.6601	0.3399	0.6601	0.1796	0.3995
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9708	0.0117	0.9708	0.8382	0.3604

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.2857	0.5283
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.3101	0.6899	0.3101	0.0231	0.4782
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.7658	0.2342	0.7658	0.2653	0.4650
pcmac	0.3918	0.6082	0.3918	-0.0871	0.8848
pd	0.9079	0.0921	0.9079	0.7742	0.4586
pediatric-leukemia	0.7059	0.0840	0.7059	0.6417	0.2806
pendigits	0.9882	0.0024	0.9882	0.9868	0.0197
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.6134	0.3866	0.6134	0.2791	0.7577
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8342
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7143	0.2857	0.7143	0.4156	0.7555
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9878	0.0122	0.9878	0.9744	0.0960
phoneme	0.4537	0.5463	0.4537	0.1459	0.5367
phy	0.4968	0.5032	0.4968	-0.0008	0.5494
pima	0.6447	0.3553	0.6447	0.3303	0.7479
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.7946	0.0411	0.7946	0.6659	0.5068
polish-1st	0.2105	0.7895	0.2105	-0.0032	0.1637
polish-2nd	0.1308	0.8692	0.1308	0.0020	0.1348
polish-3rd	0.1371	0.8629	0.1371	0.0039	0.1562
polish-4th	0.1173	0.8827	0.1173	0.0036	0.1621
polish-5th	0.2707	0.7293	0.2707	0.0180	0.2552
polya	0.4119	0.5881	0.4119	0.0590	0.5540
popularity	0.0625	0.6250	0.0625	0.0019	0.3993
post-operative	0.4444	0.3704	0.4444	0.0000	0.4043
postures	0.9773	0.0091	0.9773	0.9717	0.0484
pred-tox_mutagen_ref-desc	0.5588	0.4412	0.5588	0.1176	0.9011
primary-tumor	0.3333	0.0606	0.3333	0.2637	0.3218
profb	0.4627	0.5373	0.4627	0.0808	0.7751
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9682	0.0127	0.9682	0.9575	0.0781
pufs-6410%	0.5002	0.4998	0.5002	0.0003	0.9990
raisin	0.8444	0.1556	0.8444	0.6889	0.5627
re0-wc	0.7467	0.0390	0.7467	0.6855	0.2109
re1-wc	0.8373	0.0130	0.8373	0.8156	0.1704
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5225	0.4775	0.5225	0.1622	0.5631
RT_IOT2022	0.9987	0.0002	0.9987	0.9967	0.0082
satimage	0.8258	0.0581	0.8258	0.7893	0.1955
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.7356	0.2644	0.7356	0.3137	0.4888
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.6795	0.3205	0.6795	0.0356	0.4300
secondary_mushroom	0.8780	0.1220	0.8780	0.7462	0.3366
segment	0.9697	0.0087	0.9697	0.9646	0.0374
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.2868	0.7132	0.2868	0.0304	0.2301
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.1763	0.8237	0.1763	0.0141	0.3031
sens-2-gram	0.1868	0.8132	0.1868	0.0083	0.3451
sens-3-gram	0.1763	0.8237	0.1763	0.0095	0.3260
sens-4-gram	0.2132	0.7868	0.2132	0.0171	0.3505
sensorless	0.9968	0.0006	0.9968	0.9964	0.0072
sepsis	0.1682	0.8318	0.1682	0.0150	0.2417
shoppers	0.2636	0.7364	0.2636	0.0424	0.3639
shuttle	0.9997	0.0001	0.9997	0.9990	0.0784
sick	0.9708	0.0292	0.9708	0.7599	0.3945
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9969	0.0031	0.9969	0.9906	0.0523
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.6331	0.1223	0.6331	0.5502	0.3098
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9706	0.0031	0.9706	0.9677	0.0123
spambase	0.9196	0.0804	0.9196	0.8313	0.3795
spect	0.6667	0.3333	0.6667	0.1818	0.8134
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5472	0.0189	0.5472	0.5220	0.1301
splice-EI	0.9716	0.0284	0.9716	0.9251	0.2138
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.6300	0.3700	0.6300	0.3360	0.5994
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.5897	0.4103	0.5897	0.2647	0.5619
steel-d	0.9846	0.0154	0.9846	0.7194	0.3544
steel_industry	0.8716	0.0856	0.8716	0.7953	0.2830
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.5846	0.4154	0.5846	0.2720	0.6296
steel-p	0.8205	0.1795	0.8205	0.4030	0.4894
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.5385	0.3077	0.5385	0.2909	0.6677
student-weekend	0.2923	0.2831	0.2923	0.0743	0.7659
student-workday	0.4531	0.2188	0.4531	0.0476	0.3957
susy10%	0.7565	0.2435	0.7565	0.5044	0.7313
swarm_aligned	0.9992	0.0008	0.9992	0.9981	0.0106
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9655	0.0063	0.9655	0.9619	0.0484
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.5319	0.4681	0.5319	0.0496	0.6243
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.4779	0.5221	0.4779	0.1764	0.5138
titanic	0.3818	0.6182	0.3818	0.0392	0.6320
tourist	0.6250	0.1250	0.6250	0.3684	0.1720
tox_171	0.7059	0.1471	0.7059	0.6083	0.2070
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.4533	0.5467	0.4533	0.1202	0.6200
trec11-wc	0.9268	0.0163	0.9268	0.9099	0.0295
trec12-wc	0.9032	0.0242	0.9032	0.8840	0.0911

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7818	0.2320
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0271
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9420	0.0116	0.9420	0.9324	0.0357
tuandromd	0.9865	0.0135	0.9865	0.9589	0.1547
turkish	0.8500	0.0750	0.8500	0.8000	0.1993
tvnews	0.3683	0.6317	0.3683	0.0029	0.5143
urban	0.8507	0.0332	0.8507	0.8250	0.1410
vehicle	0.7976	0.1012	0.7976	0.7268	0.1614
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5859	0.0753	0.5859	0.5444	0.1988
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.0988	0.9012	0.0988	0.0016	0.2207
wap-wc	0.8397	0.0160	0.8397	0.8200	0.1051
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9048	0.0190	0.9048	0.8937	0.0441
watch-acc10%	0.9700	0.0086	0.9700	0.9649	0.0284
watch-gyr10%	0.9279	0.0206	0.9279	0.9158	0.0400
waveform	0.6220	0.2520	0.6220	0.4316	0.5147
web-phishing	0.8519	0.0988	0.8519	0.7454	0.4119
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0035
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9876	0.0124	0.9876	0.8735	0.3108
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.4717	0.1761	0.4717	0.2215	0.5264
winequality-white	0.2495	0.2144	0.2495	0.1120	0.5379
winnipeg	0.9696	0.0087	0.9696	0.9618	0.0528
yale	0.6875	0.0417	0.6875	0.6639	0.0737
yeast	0.4054	0.1189	0.4054	0.2481	0.4388
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.9301	0.0140	0.9301	0.9217	0.1107
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 147: Detailed results for CSB1(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1583	0.0580	0.1583	0.1031	0.5005
abalone19	0.9665	0.0335	0.9665	-0.0114	0.3029
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.6899	0.3101	0.6899	0.0683	0.1432
ads	0.7378	0.2622	0.7378	0.3837	0.5257
adult	0.3690	0.6310	0.3690	0.0885	0.4744
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.6667	0.3333	0.6667	0.0730	0.6931
AID_1431	0.4286	0.5714	0.4286	0.0343	0.3807
AID1608Morered	0.4272	0.5728	0.4272	-0.0330	0.3497
AID1608red	0.6214	0.3786	0.6214	0.0763	0.3511
AID_1878	0.3048	0.6952	0.3048	0.0119	0.5365
AID362red	0.9416	0.0584	0.9416	0.1183	0.3744
AID373AID439red	0.9993	0.0007	0.9993	-0.0003	0.3124
AID373red	0.9985	0.0015	0.9985	0.1811	0.5354
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9920	0.0080	0.9920	-0.0038	0.4379
AID600_MACCS	0.5405	0.4595	0.5405	0.0950	0.9403
AID_602330	0.2969	0.7031	0.2969	-0.0106	0.2026
AID604	0.6453	0.3547	0.6453	0.0127	0.0281
AID604AID644_AllRed	0.9988	0.0012	0.9988	0.3631	0.5151
AID644Morered	0.5000	0.5000	0.5000	-0.1905	0.9701
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.4141	0.3906	0.4141	0.0235	0.4369
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.7254	0.2746	0.7254	0.0028	0.0323
AID688red	0.2026	0.7974	0.2026	-0.0010	0.0453
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9987	0.0013	0.9987	0.3327	0.5322
AID746red	0.2742	0.7258	0.2742	0.0022	0.0288
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9833	0.0083	0.9833	0.9682	0.0455
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9805	0.0049	0.9805	0.9680	0.0675
anuran-species	0.9847	0.0031	0.9847	0.9788	0.0316
aps-failure	0.8670	0.1330	0.8670	0.1845	0.2731
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7778	0.0342	0.7778	0.6552	0.2587
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8476	0.0254	0.8476	0.8101	0.1105
balance	0.7581	0.1613	0.7581	0.5946	0.4120
bank	0.2775	0.7225	0.2775	0.0489	0.2985
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.4723	0.5276	0.4723	0.1280	0.5702
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.8875	0.1125	0.8875	0.1176	0.1832
biodeg	0.8571	0.1429	0.8571	0.7123	0.5001
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.6740	0.0225	0.6740	0.0568	0.3347
block10%	1.0000	0.0000	1.0000	0.9952	0.0209
block10%	1.0000	0.0000	1.0000	0.9952	0.0209
breast-cancer	0.6071	0.3929	0.6071	0.2376	0.7748
breast-cancer-co	0.7273	0.2727	0.7273	0.4590	0.7617
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1621
bub10at310k-hg16-17	0.1187	0.8813	0.1187	0.0055	0.2256
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8451	0.0310	0.8451	0.8136	0.1572
cardiotocography-nsp	0.8967	0.0689	0.8967	0.7424	0.4013
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.7043	0.3840
cas_N6512_cdk_ECFP2	0.4854	0.5146	0.4854	0.0409	0.5865
cdc_diabetes	0.0700	0.6200	0.0700	0.0066	0.3739
census10%	0.3656	0.6344	0.3656	0.0537	0.2125
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.8605	0.1395	0.8605	0.2722	0.5525
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9986	0.0014	0.9986	0.5543	0.5256
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6502	0.6084
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3786	0.6431
cirrhosis	0.7857	0.1429	0.7857	0.5791	0.4401
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8093	0.0954	0.8093	0.7066	0.4239
climate	0.9074	0.0926	0.9074	0.3946	0.6420
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8600	0.1400	0.8600	0.1463	0.7265
cmc	0.5578	0.2948	0.5578	0.3269	0.6831
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0715
codon_usage	0.7329	0.0486	0.7329	0.6810	0.2885
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	0.0737	0.9310
colposcopies-2	0.6207	0.3793	0.6207	0.1493	0.9180
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.7586	0.2414	0.7586	0.5155	0.7334
colposcopies-c	0.7241	0.2759	0.7241	0.3136	0.7964
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9652	0.0232	0.9652	0.5235	0.5260
cottonmeloidogyne	0.5312	0.4688	0.5312	0.0542	0.6283
coupon	0.5150	0.4850	0.5150	0.1136	0.7465
covtype	0.2881	0.2034	0.2881	0.1411	0.3996
covtypeCD	0.8996	0.1004	0.8996	0.6750	0.5094
covtypeT	0.7860	0.2140	0.7860	0.3166	0.4421
cox2_cdk_ECFP2	0.5000	0.5000	0.5000	0.0736	0.6849
crowdsourced	0.6590	0.1137	0.6590	0.4812	0.4512
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4688	0.0266	0.4688	0.4522	0.0968
cyclopentane	0.7778	0.2222	0.7778	0.5574	0.6874
cylinder-bands	0.5000	0.5000	0.5000	0.0569	0.9087
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.2233	0.7767	0.2233	0.0004	0.4228
deposit	0.2626	0.7374	0.2626	0.0433	0.3064
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7838	0.2032
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.4443	0.7686
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.1149	0.5900	0.1149	0.0007	0.4269
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5417	0.4583	0.5417	0.0704	0.9669
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4451	0.5549	0.4451	-0.0773	0.9614
dropout	0.3454	0.4364	0.3454	0.1593	0.5066
drug-01	0.1223	0.2508	0.1223	-0.0003	0.6872
drug-02	0.1649	0.2386	0.1649	0.0529	0.7245
drug-03	0.1755	0.2356	0.1755	0.0570	0.5137
drug-04	0.1596	0.2401	0.1596	0.0654	0.6969
drug-05	0.0638	0.2675	0.0638	-0.0302	0.5829
drug-06	0.2021	0.2280	0.2021	0.0982	0.6955
drug-07	0.1223	0.2508	0.1223	-0.0453	0.6305
drug-08	0.1915	0.2310	0.1915	0.0604	0.6425
drug-09	0.2606	0.2112	0.2606	0.0326	0.4612
drug-10	0.1649	0.2386	0.1649	0.0567	0.6188
drug-11	0.2819	0.2052	0.2819	0.0734	0.4897
drug-12	0.1915	0.2310	0.1915	0.0448	0.5730
drug-13	0.1489	0.2432	0.1489	0.0181	0.7459
drug-14	0.2021	0.2280	0.2021	0.0996	0.5557
drug-15	0.1702	0.2371	0.1702	0.0355	0.6668
drug-16	0.2340	0.2188	0.2340	0.1024	0.5835
drug-17	0.1489	0.2432	0.1489	0.0283	0.8142
drug-18	0.9787	0.0085	0.9787	-0.0040	0.0076
drug-19	0.1277	0.2492	0.1277	0.0239	0.4971
drybean	0.8993	0.0288	0.8993	0.8787	0.1298
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1485	0.1064	0.1485	0.1062	0.5663
eeg-eye	0.6649	0.3351	0.6649	0.2811	0.6760
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.3525	0.7862
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.3667	0.7864
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.6433	0.5283
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6137	0.6392
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.3564	0.5599
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5866	0.6556
er_tox_rdkit_TORSION	0.9032	0.0968	0.9032	0.2017	0.6010
eucalyptus	0.6301	0.1479	0.6301	0.5265	0.3462
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9232	0.0768	0.9232	0.8465	0.3535
fbis-wc	0.8496	0.0177	0.8496	0.8287	0.1134
fda.atompair_fp	0.5000	0.5000	0.5000	-0.0901	0.9073
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5000	0.1250	0.5000	0.3769	0.2807
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5343	0.0060	0.5212	0.5132	0.5369
forest	0.9423	0.0288	0.9423	0.9202	0.0504
gas	0.9942	0.0019	0.9942	0.9930	0.0147
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.3761
gender	0.1453	0.5698	0.1453	0.0114	0.5535
gene	0.9464	0.0358	0.9464	0.9142	0.1724
german	0.4000	0.6000	0.4000	0.0083	0.7659
gina	0.6455	0.3545	0.6455	0.2980	0.7525
glass	0.8095	0.0635	0.8095	0.7415	0.2138
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4608
haberman	0.5667	0.4333	0.5667	0.0102	0.8956
hapt	0.9607	0.0066	0.9607	0.9535	0.0394
har70	0.8979	0.0349	0.8621	0.8287	0.1893
harth10%	0.5419	0.0763	0.5419	0.4297	0.4039
hayes-roth	0.8750	0.0833	0.8750	0.8049	0.1629
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.9333	0.0667	0.9333	0.8148	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.4972	0.5028	0.4972	0.0004	0.5292
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.1250	0.9054
higgs10%	0.4781	0.5219	0.4781	0.0127	0.5815
higher	0.4286	0.1429	0.4286	0.3253	0.2109
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.7538	0.2462	0.7538	0.4266	0.5833
hiva	0.3877	0.6123	0.3877	-0.0095	0.1933
horse	0.6667	0.2222	0.6667	0.4627	0.5372
htru2	0.6441	0.3559	0.6441	0.2120	0.4139
ht-sensor	0.8190	0.1207	0.8190	0.7302	0.3418
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.5932	0.4068	0.5932	0.2036	0.8012
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8691	0.0101	0.8691	0.8638	0.1138
jm1	0.1947	0.8053	0.1947	-0.0010	0.3935
fvowels	0.9096	0.0201	0.9096	0.8978	0.1224
kc1	0.2370	0.7630	0.2370	0.0320	0.3515
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1483
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.5000	0.5000	0.5000	0.0999	0.6872
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9230	0.0086	0.9230	0.9140	0.1040
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7968	0.0677	0.7968	0.7483	0.2808
la2s-wc	0.8543	0.0486	0.8543	0.8184	0.2599
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6609	0.0640
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8805	0.0092	0.8805	0.8757	0.1219
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7916	0.0815
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.5294	0.4706	0.5294	0.0181	0.9312
localization	0.0681	0.1694	0.0681	0.0456	0.5717
lrs	0.8113	0.0377	0.8113	0.7368	0.1464
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5000	0.5000	0.5000	0.0000	0.5283
magic04	0.3698	0.6302	0.3698	0.0192	0.5256

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5659	0.6676
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8812	0.0792	0.8812	0.8206	0.2828
messidor	0.5391	0.4609	0.5391	-0.0304	0.8694
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0507
mfeat-fou	0.8400	0.0320	0.8400	0.8222	0.1251
mfeat-kar	0.9100	0.0180	0.9100	0.9000	0.1061
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2098
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0627
mfeat-zer	0.7450	0.0510	0.7450	0.7167	0.1790
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0118
mines	0.5882	0.1647	0.5882	0.4832	0.4069
mobile	0.8112	0.0067	0.8112	0.8077	0.0867
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8303	0.1697	0.8303	0.5517	0.5304
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4853	0.5147	0.4853	-0.0294	0.7559
mutagen_class_3	0.5797	0.4203	0.5797	0.1603	0.9435
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7673
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3677	0.8341
MUT_ci300400a	0.4411	0.5589	0.4411	0.0180	0.6177
MUT_ci300400a_cdk_ECFP2	0.4508	0.5492	0.4508	0.0466	0.5721
myocardial	0.8000	0.0500	0.8000	0.3686	0.5274
naticusdroid	0.9615	0.0385	0.9615	0.9229	0.2147
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.4661	0.0562	0.4661	0.2518	0.6110
newspop	0.4705	0.5295	0.4705	0.0043	0.5668
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.8836	0.1164	0.8836	0.7435	0.4584
NPHA-doctor-visits	0.3472	0.4352	0.3472	0.0256	0.7976
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9903	0.0097	0.9903	0.9730	0.1155
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9010	0.0198	0.9010	0.8861	0.0892
oh10-wc	0.7810	0.0438	0.7810	0.7499	0.2180
oh15-wc	0.8152	0.0370	0.8152	0.7896	0.1714
oh5-wc	0.8022	0.0396	0.8022	0.7775	0.1946
opn310k	0.1284	0.8716	0.1284	0.0071	0.2305
opnat310k-hg16-17	0.1274	0.8726	0.1274	0.0070	0.2295
optdigits	0.9555	0.0089	0.9555	0.9505	0.0562
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.8500	0.0075	0.8500	0.8462	0.0264
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8538	0.1462	0.8538	0.2581	0.3985
ozone8hr	0.6166	0.3834	0.6166	0.1504	0.3764
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8897	0.1769

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8550	0.1675
particle	0.3100	0.6900	0.3100	0.0230	0.4781
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.7838	0.2162	0.7838	0.2873	0.4793
pcmac	0.3814	0.6186	0.3814	-0.0988	0.8771
pd	0.8816	0.1184	0.8816	0.7188	0.5060
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1102
pendigits	0.9900	0.0020	0.9900	0.9889	0.0188
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.6031	0.3969	0.6031	0.2732	0.7339
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7460	0.5006
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9918	0.0082	0.9918	0.9829	0.0671
phoneme	0.4907	0.5093	0.4907	0.1854	0.5287
phy	0.4972	0.5028	0.4972	-0.0000	0.5368
pima	0.6579	0.3421	0.6579	0.3517	0.7426
plrx	0.8889	0.1111	0.8889	0.6842	0.2720
poker	0.6590	0.0667	0.6804	0.4089	0.3568
polish-1st	0.2418	0.7582	0.2418	-0.0037	0.1713
polish-2nd	0.1347	0.8653	0.1347	0.0065	0.1233
polish-3rd	0.1419	0.8581	0.1419	0.0064	0.1511
polish-4th	0.1163	0.8837	0.1163	0.0055	0.1551
polish-5th	0.2487	0.7513	0.2487	0.0135	0.2513
polya	0.4108	0.5892	0.4108	0.0549	0.5801
popularity	0.0605	0.6263	0.0605	0.0000	0.4115
post-operative	0.4444	0.3704	0.4444	0.0000	0.4361
postures	0.9401	0.0240	0.9401	0.9251	0.1074
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8580
primary-tumor	0.2727	0.0661	0.2727	0.2024	0.2683
profb	0.5224	0.4776	0.5224	0.1683	0.7336
promoters	0.9000	0.1000	0.9000	0.7826	0.2846
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8931	0.0428	0.8931	0.8601	0.1581
pufs-6410%	0.5021	0.4979	0.5021	0.0043	0.9988
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.8200	0.0277	0.8200	0.7725	0.2439
re1-wc	0.8554	0.0116	0.8554	0.8361	0.1471
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5298	0.4702	0.5298	0.1730	0.5628
RT_IOT2022	0.9986	0.0002	0.9986	0.9965	0.0040
satimage	0.8274	0.0575	0.8274	0.7908	0.2057
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.7403	0.2597	0.7403	0.3192	0.4915
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9318
secom	0.7372	0.2628	0.7372	0.0682	0.4712
secondary_mushroom	0.9623	0.0377	0.9623	0.9231	0.1618
segment	0.9654	0.0099	0.9654	0.9595	0.0420
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.3488	0.6512	0.3488	0.0448	0.2435
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.1921	0.8079	0.1921	0.0147	0.3294
sens-2-gram	0.1816	0.8184	0.1816	0.0158	0.3044
sens-3-gram	0.1737	0.8263	0.1737	-0.0007	0.3571
sens-4-gram	0.1921	0.8079	0.1921	0.0053	0.3606
sensorless	0.9930	0.0013	0.9930	0.9923	0.0103
sepsis	0.1683	0.8317	0.1683	0.0152	0.2411
shoppers	0.2749	0.7251	0.2749	0.0489	0.3586
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9735	0.0265	0.9735	0.7775	0.3572
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9978	0.0022	0.9978	0.9933	0.0400
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.6978	0.1007	0.6978	0.6254	0.2754
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.8609	0.1391	0.8609	0.7217	0.4857
spect	0.6667	0.3333	0.6667	0.1818	0.8134
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5849	0.0173	0.5849	0.5623	0.1186
splice-EI	0.9779	0.0221	0.9779	0.9417	0.1787
splice-IE	0.9495	0.0505	0.9495	0.8603	0.3234
sport-articles	0.6900	0.3100	0.6900	0.4164	0.6660
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.5897	0.4103	0.5897	0.2647	0.5619
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8562	0.0959	0.8562	0.7714	0.2920
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6000	0.4000	0.6000	0.2932	0.6283
steel-p	0.8410	0.1590	0.8410	0.4393	0.5034
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.5385	0.3077	0.5385	0.2909	0.5610
student-weekend	0.2923	0.2831	0.2923	0.0794	0.6832
student-workday	0.4688	0.2125	0.4688	0.1443	0.3663
susy10%	0.7573	0.2427	0.7573	0.5064	0.7312
swarm_aligned	1.0000	0.0034	0.9719	0.9827	0.0316
swarm_flocking	0.9480	0.0278	0.9852	0.9536	0.1563
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9782	0.0040	0.9782	0.9759	0.0328
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.5106	0.4894	0.5106	0.0893	0.5766
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.4428	0.5572	0.4428	0.1449	0.5062
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.9412	0.0294	0.9412	0.9213	0.0641
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.4400	0.5600	0.4400	0.0455	0.7238
trec11-wc	0.9024	0.0217	0.9024	0.8809	0.0926
trec12-wc	0.9032	0.0242	0.9032	0.8849	0.0925

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9573	0.0337
trec41-wc	0.9659	0.0068	0.9659	0.9587	0.0747
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9659	0.1408
turkish	0.9000	0.0500	0.9000	0.8667	0.1388
tvnews	0.3679	0.6321	0.3679	0.0023	0.5142
urban	0.8657	0.0299	0.8657	0.8430	0.1339
vehicle	0.7738	0.1131	0.7738	0.6941	0.2027
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5960	0.0735	0.5960	0.5556	0.2322
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.0994	0.9006	0.0994	0.0017	0.2208
wap-wc	0.8269	0.0173	0.8269	0.8058	0.1275
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0933
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9938	0.0018	0.9938	0.9928	0.0112
watch-gyr10%	0.9966	0.0010	0.9966	0.9960	0.0077
waveform	0.6900	0.2067	0.6900	0.5362	0.5082
web-phishing	0.8741	0.0840	0.8741	0.7821	0.3737
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0287
wilt	0.9834	0.0166	0.9834	0.8432	0.3929
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4465	0.1845	0.4465	0.2086	0.5576
winequality-white	0.2249	0.2214	0.2249	0.1021	0.5691
winnipeg	0.9583	0.0106	0.9718	0.9646	0.0827
yale	0.7500	0.0333	0.7500	0.7333	0.0611
yeast	0.4730	0.1054	0.4730	0.3329	0.4633
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9392	0.0608	0.9392	-0.0215	0.6129
zip	0.9398	0.0120	0.9398	0.9325	0.0936
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 148: Detailed results for CSB2(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0887	0.0628	0.0887	0.0442	0.5296
abalone19	0.6818	0.3182	0.6818	-0.0142	0.0658
abalone9-18	0.8493	0.1507	0.8493	0.2026	0.5343
accelerometer	0.7399	0.2601	0.7399	0.0823	0.1665
ads	0.6037	0.3963	0.6037	0.2470	0.4521
adult	0.4877	0.5123	0.4877	0.1855	0.5088
AID1284Morered	0.6111	0.3889	0.6111	0.1158	0.6230
AID1284red	0.4722	0.5278	0.4722	0.0229	0.5722
AID_1431	0.3016	0.6984	0.3016	-0.0219	0.3701
AID1608Morered	0.3981	0.6019	0.3981	-0.0092	0.3293
AID1608red	0.3592	0.6408	0.3592	0.0012	0.2727
AID_1878	0.2762	0.7238	0.2762	0.0455	0.3900
AID362red	0.6589	0.3411	0.6589	0.0257	0.1147
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.8879	0.1121	0.8879	0.0069	0.0222
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.7164	0.2836	0.7164	0.0011	0.0315
AID600_MACCS	0.4324	0.5676	0.4324	0.0202	0.7134
AID_602330	0.2708	0.7292	0.2708	0.0000	0.1857
AID604	0.4272	0.5728	0.4272	0.0052	0.0176
AID604AID644_AllRed	0.8418	0.1582	0.8418	0.0064	0.0173
AID644Morered	0.4500	0.5500	0.4500	-0.2500	0.9654
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.3232	0.4512	0.3232	-0.0087	0.4121
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.5745	0.4255	0.5745	0.0011	0.0248
AID688red	0.2008	0.7992	0.2008	-0.0010	0.0453
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.3571	0.7720
AID746AID1284red	0.8329	0.1671	0.8329	0.0000	0.0151
AID746red	0.2779	0.7221	0.2779	0.0022	0.0289
AID_773	0.4815	0.5185	0.4815	-0.2115	0.5536
AID852_MACCS	0.9077	0.0923	0.9077	0.7273	0.4552
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9805	0.0097	0.9805	0.9629	0.0527
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9736	0.0066	0.9736	0.9572	0.1434
anuran-species	0.9847	0.0031	0.9847	0.9788	0.0273
aps-failure	0.8400	0.1600	0.8400	0.1506	0.2410
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5537	0.1969
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6926	0.0800
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8280	0.0287	0.8280	0.7651	0.0704
balance	0.7581	0.1613	0.7581	0.6063	0.3516
bank	0.6892	0.3108	0.6892	0.2918	0.4642
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.4332	0.5668	0.4332	0.0798	0.5681
basehock	0.9146	0.0854	0.9146	0.8290	0.2878
bio	0.8085	0.1915	0.8085	0.0681	0.1178
biodeg	0.5905	0.4095	0.5905	0.2747	0.6026
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.4728	0.0364	0.4728	0.0307	0.1209
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.4643	0.5357	0.4643	0.0187	0.8343
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.1294	0.8706	0.1294	0.0076	0.2287
bze_3d_rdkit_descriptors	0.5854	0.4146	0.5854	0.2034	0.6900
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.5294	0.5000
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.5217	0.4783	0.5217	0.1513	0.5307
cardiotocography	0.8169	0.0366	0.8169	0.7829	0.2206
cardiotocography-nsp	0.6197	0.2535	0.6197	0.3492	0.3760
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9250	0.0500	0.9250	0.8659	0.1879
cas_N6512_cdk_ECFP2	0.5591	0.4409	0.5591	0.0481	0.5808
cdc_diabetes	0.1179	0.5881	0.1179	0.0148	0.3378
census10%	0.5033	0.4967	0.5033	0.0936	0.2574
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.5116	0.4884	0.5116	0.0618	0.2916
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.6860	0.3140	0.6860	0.1457	0.5271
chemo_fontaine	0.9070	0.0930	0.9070	0.8009	0.4261
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9861	0.0139	0.9861	0.1125	0.1595
ci100410h_MACCS	0.7500	0.2500	0.7500	0.4410	0.6542
ci200186.atompair_fp	0.4727	0.5273	0.4727	0.1308	0.5256
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.8074	0.4114
ci200186m_ExtendedFingerprinter	0.6364	0.3636	0.6364	0.3293	0.7024
ci900367j_MACCS	0.4947	0.5053	0.4947	0.1480	0.5288
cirrhosis	0.7619	0.1587	0.7619	0.5195	0.4430
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8250	0.0875	0.8250	0.7356	0.3925
climate	0.8704	0.1296	0.8704	0.2974	0.6325
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.6400	0.3600	0.6400	0.1089	0.5281
cmc	0.4762	0.3492	0.4762	0.2538	0.6179
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0715
codon_usage	0.5641	0.0793	0.5641	0.4982	0.3199
coil20	0.9722	0.0028	0.9722	0.9708	0.0194
collins	0.9600	0.0053	0.9600	0.9561	0.0267
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.3584	0.6899
colposcopies-2	0.3793	0.6207	0.3793	-0.0276	0.7353
colposcopies-3	0.6552	0.3448	0.6552	0.3379	0.7805
colposcopies-4	0.4138	0.5862	0.4138	-0.1546	0.8908

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.2658	0.7266
colposcopies-6	0.5862	0.4138	0.5862	0.1907	0.7338
colposcopies-c	0.3448	0.6552	0.3448	-0.0954	0.7734
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9710	0.0193	0.9710	0.5929	0.5219
cottonmeloidogyne	0.5361	0.4639	0.5361	0.0798	0.6426
coupon	0.4858	0.5142	0.4858	0.0787	0.6312
covtype	0.3213	0.1939	0.3213	0.1633	0.4212
covtypeCD	0.7147	0.2853	0.7147	0.3543	0.5023
covtypeT	0.6405	0.3595	0.6405	0.1790	0.3461
cox2_cdk_ECFP2	0.3478	0.6522	0.3478	-0.0314	0.6533
crowdsourced	0.5677	0.1441	0.5677	0.3609	0.5796
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3555	0.1095
cyclopentane	0.7407	0.2593	0.7407	0.4960	0.6560
cylinder-bands	0.4259	0.5741	0.4259	0.0000	0.5284
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8143	0.1857	0.8143	0.4224	0.7163
deposit	0.4787	0.5213	0.4787	0.1368	0.3791
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.8833	0.1167	0.8833	0.7667	0.4224
dhfr_cdk_ECFP2	0.6053	0.3947	0.6053	0.2893	0.6215
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5363	0.3091	0.5363	0.0012	0.4375
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5563	0.4437	0.5563	0.0832	0.8924
dropout	0.2460	0.5026	0.2460	0.0589	0.4994
drug-01	0.1170	0.2523	0.1170	0.0293	0.6923
drug-02	0.1809	0.2340	0.1809	0.0753	0.6692
drug-03	0.1862	0.2325	0.1862	0.0552	0.4720
drug-04	0.1277	0.2492	0.1277	0.0453	0.6795
drug-05	0.1011	0.2568	0.1011	-0.0092	0.5692
drug-06	0.1436	0.2447	0.1436	0.0455	0.5608
drug-07	0.1649	0.2386	0.1649	-0.0469	0.6518
drug-08	0.1383	0.2462	0.1383	0.0424	0.5922
drug-09	0.3138	0.1960	0.3138	-0.0036	0.3195
drug-10	0.1543	0.2416	0.1543	0.0635	0.5774
drug-11	0.3564	0.1839	0.3564	0.0847	0.5715
drug-12	0.2926	0.2021	0.2926	0.0678	0.5751
drug-13	0.1596	0.2401	0.1596	0.0280	0.7748
drug-14	0.1809	0.2340	0.1809	0.0514	0.5663
drug-15	0.2128	0.2249	0.2128	0.0266	0.6494
drug-16	0.2181	0.2234	0.2181	0.0927	0.4719
drug-17	0.1064	0.2553	0.1064	0.0270	0.6466
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.2500	0.2143	0.2500	-0.0213	0.5281
drybean	0.8295	0.0487	0.8295	0.7958	0.1763
ecoli	0.7647	0.0588	0.7647	0.6770	0.1671
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1654	0.1043	0.1654	0.1371	0.5466
eeg-eye	0.5634	0.4366	0.5634	0.0316	0.5398
EPA_FHM	0.9344	0.0656	0.9344	0.4649	0.6023
er_lit_cdk_ECFP2	0.5385	0.4615	0.5385	0.2041	0.5306
er_tox_cdk_ECFP2	0.5000	0.5000	0.5000	0.1304	0.7592
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	-0.0517	0.6364
er_tox_rdkit_AVALON	0.8852	0.1148	0.8852	0.6328	0.5223
er_tox_rdkit_descriptors	0.6557	0.3443	0.6557	0.3605	0.6844
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8136	0.3324
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8548	0.1452	0.8548	0.2520	0.4923
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.7377	0.2623	0.7377	0.4572	0.6993
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.1199	0.5180
eucalyptus	0.5479	0.1808	0.5479	0.4398	0.4170
euthyroid	0.7627	0.2373	0.7627	0.3266	0.5188
exon.vs.intron-freq	0.5964	0.4036	0.5964	0.2240	0.5442
fbis-wc	0.8089	0.0225	0.8089	0.7831	0.1483
fda.atompair_fp	0.3636	0.6364	0.3636	-0.0548	0.7915
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.4984	0.2020
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.3944	0.0079	0.3944	0.3787	0.4665
forest	0.9231	0.0385	0.9231	0.8932	0.0577
gas	0.9928	0.0024	0.9928	0.9913	0.0172
gastrointestinal	0.6875	0.2083	0.6875	0.4969	0.4022
gender	0.1368	0.5754	0.1368	0.0095	0.4780
gene	0.9243	0.0505	0.9243	0.8797	0.2168
german	0.3900	0.6100	0.3900	0.0348	0.6003
gina	0.6657	0.3343	0.6657	0.3378	0.7251
glass	0.8095	0.0635	0.8095	0.7299	0.1711
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.6310	0.3690	0.6310	0.3162	0.6658
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6667	0.1667	0.6667	0.5536	0.3034
haberman	0.5333	0.4667	0.5333	0.0367	0.8589
hapt	0.8628	0.0229	0.8628	0.8383	0.0820
har70	0.2312	0.2197	0.2312	0.1831	0.3011
harth10%	0.5499	0.0750	0.5499	0.4292	0.2589
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.7647	0.2353	0.7647	0.5342	0.6845
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.9333	0.0667	0.9333	0.8148	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.6903	0.3097	0.6903	0.3783	0.5482
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2105	0.8520
higgs10%	0.5632	0.4368	0.5632	0.0778	0.6263
higher	0.3571	0.1607	0.3571	0.2364	0.2874
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.5852	0.4148	0.5852	0.2326	0.5368
hiva	0.4184	0.5816	0.4184	-0.0062	0.1974
horse	0.6667	0.2222	0.6667	0.4331	0.5609
htru2	0.4978	0.5022	0.4978	0.1249	0.3399
ht-sensor	0.6424	0.2384	0.6424	0.4758	0.3993
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.5254	0.4746	0.5254	0.2050	0.6194
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8601	0.0108	0.8601	0.8545	0.1176
jm1	0.7952	0.2048	0.7952	0.2607	0.7711
fvowels	0.9518	0.0107	0.9518	0.9454	0.0679
kc1	0.2796	0.7204	0.2796	0.0426	0.3984
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3694	0.1423
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.2885	0.7115	0.2885	-0.0169	0.6033
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9319	0.0076	0.9319	0.9240	0.0907
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8000	0.0667	0.8000	0.7540	0.2712
la2s-wc	0.8576	0.0475	0.8576	0.8232	0.2593
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6618	0.0479
led24	0.5500	0.0900	0.5500	0.5000	0.1803
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9330	0.0052	0.9330	0.9303	0.0643
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8056	0.0259	0.8056	0.7912	0.0656
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.4706	0.5294	0.4706	0.0920	0.7700
localization	0.0598	0.1709	0.0598	0.0420	0.5145
lrs	0.8302	0.0340	0.8302	0.7637	0.1215
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5294	0.2669
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4962	0.5038	0.4962	-0.0077	0.6769
magic04	0.3756	0.6244	0.3756	0.0260	0.5199

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6562	0.3438	0.6562	0.3383	0.5093
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7624	0.1584	0.7624	0.6437	0.4213
messidor	0.5652	0.4348	0.5652	0.2003	0.6560
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0544
mfeat-fou	0.8250	0.0350	0.8250	0.8056	0.1309
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0420
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2187
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0308
mfeat-zer	0.8000	0.0400	0.8000	0.7778	0.1498
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4081	0.4591
mobile	0.8531	0.0052	0.8531	0.8505	0.0642
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.6212	0.3788	0.6212	0.2699	0.4939
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9913
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6029	0.3971	0.6029	0.2059	0.6402
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1774	0.8507
MUT_ci300400a	0.6128	0.3872	0.6128	0.1086	0.6048
MUT_ci300400a_cdk_ECFP2	0.5995	0.4005	0.5995	0.0493	0.5591
myocardial	0.4529	0.1368	0.4529	0.1378	0.4466
naticusdroid	0.7583	0.2417	0.7583	0.5171	0.4756
nci9	0.3333	0.1481	0.3333	0.2258	0.1303
ncRNA10%	0.5238	0.0501	0.5238	0.2952	0.7053
newspop	0.5336	0.4664	0.5336	0.0030	0.5330
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.6274	0.3726	0.6274	0.3409	0.5527
NPHA-doctor-visits	0.3333	0.4444	0.3333	0.0922	0.6986
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9801	0.0199	0.9801	0.9454	0.1909
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.8713	0.0257	0.8713	0.8523	0.1204
oh10-wc	0.7238	0.0552	0.7238	0.6853	0.2557
oh15-wc	0.7826	0.0435	0.7826	0.7529	0.2136
oh5-wc	0.7473	0.0505	0.7473	0.7135	0.2169
opn310k	0.1368	0.8632	0.1368	0.0083	0.2347
opnat310k-hg16-17	0.1361	0.8639	0.1361	0.0087	0.2321
optdigits	0.9662	0.0068	0.9662	0.9624	0.0480
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6500	0.0175	0.6500	0.6410	0.0629
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.7273	0.2727	0.7273	0.1529	0.2652
ozone8hr	0.6798	0.3202	0.6798	0.1517	0.4422
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8847	0.1355

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.3163	0.6837	0.3163	0.0277	0.4832
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.6216	0.3784	0.6216	0.1134	0.3968
pcmac	0.5670	0.4330	0.5670	-0.0225	0.7420
pd	0.6842	0.3158	0.6842	0.3766	0.6487
pediatric-leukemia	0.7059	0.0840	0.7059	0.6417	0.2806
pendigits	0.9909	0.0018	0.9909	0.9899	0.0165
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.5052	0.4948	0.5052	0.1668	0.6544
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7381	0.2619	0.7381	0.4911	0.4795
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9755	0.0245	0.9755	0.9492	0.1529
phoneme	0.4537	0.5463	0.4537	0.1481	0.5225
phy	0.4968	0.5032	0.4968	-0.0008	0.5494
pima	0.6711	0.3289	0.6711	0.3926	0.6061
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.5548	0.0890	0.5548	0.3739	0.5813
polish-1st	0.5164	0.4836	0.5164	0.0314	0.2189
polish-2nd	0.1406	0.8594	0.1406	0.0050	0.1302
polish-3rd	0.2190	0.7810	0.2190	0.0076	0.1798
polish-4th	0.2245	0.7755	0.2245	0.0161	0.1826
polish-5th	0.3841	0.6159	0.3841	0.0408	0.2849
polya	0.6519	0.3481	0.6519	0.0428	0.5615
popularity	0.6277	0.2482	0.6277	0.0020	0.4292
post-operative	0.4444	0.3704	0.4444	0.0000	0.4043
postures	0.6755	0.1298	0.6755	0.5950	0.2999
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7954
primary-tumor	0.3939	0.0551	0.3939	0.3272	0.2312
profb	0.4328	0.5672	0.4328	0.0782	0.6865
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9682	0.0127	0.9682	0.9575	0.0781
pufs-6410%	0.5015	0.4985	0.5015	0.0029	0.9970
raisin	0.8333	0.1667	0.8333	0.6667	0.5150
re0-wc	0.7467	0.0390	0.7467	0.6855	0.2109
re1-wc	0.8434	0.0125	0.8434	0.8217	0.1292
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9968	0.0005	0.9968	0.9918	0.0055
satimage	0.7185	0.0938	0.7185	0.6658	0.2038
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.7170	0.2830	0.7170	0.2882	0.4845
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9448
secom	0.6346	0.3654	0.6346	-0.0141	0.4095
secondary_mushroom	0.6404	0.3596	0.6404	0.3258	0.5171
segment	0.9697	0.0087	0.9697	0.9646	0.0377
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.2597	0.7403	0.2597	0.0248	0.2248
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-2-gram	0.2474	0.7526	0.2474	0.0293	0.3580
sens-3-gram	0.3632	0.6368	0.3632	0.0666	0.4116
sens-4-gram	0.3842	0.6158	0.3842	0.0372	0.4776
sensorless	0.9904	0.0017	0.9904	0.9895	0.0125
sepsis	0.1709	0.8291	0.1709	0.0156	0.2422
shoppers	0.5775	0.4225	0.5775	0.2344	0.4636
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.8170	0.1830	0.8170	0.3072	0.4977
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9961	0.0039	0.9961	0.9882	0.0629
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.6259	0.1247	0.6259	0.5433	0.3259
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.6717	0.3283	0.6717	0.3976	0.5560
spect	0.5556	0.4444	0.5556	0.0526	0.7987
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5660	0.0181	0.5660	0.5431	0.1336
splice-EI	0.9716	0.0284	0.9716	0.9257	0.2218
splice-IE	0.9369	0.0631	0.9369	0.8330	0.3894
sport-articles	0.4500	0.5500	0.4500	0.0894	0.6094
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.5487	0.4513	0.5487	0.2242	0.5523
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.7794	0.1471	0.7794	0.6482	0.3351
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.5436	0.4564	0.5436	0.2130	0.6553
steel-p	0.7385	0.2615	0.7385	0.2917	0.4317
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9179	0.0821	0.9179	0.6609	0.5200
studentap	0.3846	0.4103	0.3846	0.0545	0.7589
student-weekend	0.1692	0.3323	0.1692	-0.0171	0.7006
student-workday	0.3438	0.2625	0.3438	-0.0570	0.3902
susy10%	0.7206	0.2794	0.7206	0.4146	0.6338
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6418
Tdp_desc	0.5000	0.5000	0.5000	0.0581	0.7466
texture	0.9745	0.0046	0.9745	0.9719	0.0372
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.3617	0.6383	0.3617	0.0056	0.5363
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.5789	0.4211	0.5789	0.2766	0.5389
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.6250	0.1250	0.6250	0.4146	0.1387
tox_171	0.5882	0.2059	0.5882	0.4491	0.2795
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.7059	0.2941	0.7059	0.3307	0.8305
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.3200	0.6800	0.3200	0.0154	0.6001
trec11-wc	0.9024	0.0217	0.9024	0.8793	0.0422
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8311	0.2231
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9432	0.0114	0.9432	0.9304	0.0610
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0252
tuandromd	0.9664	0.0336	0.9664	0.9009	0.2881
turkish	0.7750	0.1125	0.7750	0.7000	0.3267
tvnews	0.3731	0.6269	0.3731	0.0083	0.5164
urban	0.8657	0.0299	0.8657	0.8426	0.1250
vehicle	0.7619	0.1190	0.7619	0.6866	0.1591
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5253	0.0863	0.5253	0.4778	0.2279
vowelZ	0.9798	0.0202	0.9798	0.8642	0.0715
vrnormat310k-hg16-17	0.9071	0.0929	0.9071	0.1603	0.5497
wap-wc	0.8462	0.0154	0.8462	0.8274	0.0829
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9048	0.0190	0.9048	0.8939	0.0443
watch-acc10%	0.9008	0.0283	0.9008	0.8840	0.0468
watch-gyr10%	0.9003	0.0285	0.9003	0.8835	0.0464
waveform	0.6280	0.2480	0.6280	0.4420	0.5245
web-phishing	0.8667	0.0889	0.8667	0.7686	0.3884
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0018
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.6667	0.3333	0.6667	0.1473	0.2998
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.3333	0.2222	0.3333	0.1628	0.4525
winequality-white	0.1534	0.2419	0.1534	0.0389	0.4391
winnipeg	0.8160	0.0526	0.8160	0.7733	0.1009
yale	0.6875	0.0417	0.6875	0.6639	0.0737
yeast	0.3986	0.1203	0.3986	0.2526	0.5139
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.8514	0.1486	0.8514	0.2093	0.4903
zip	0.9387	0.0123	0.9387	0.9313	0.0919
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 149: Detailed results for CSB2(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1319	0.0599	0.1319	0.0578	0.3782
abalone19	0.6746	0.3254	0.6746	0.0005	0.0654
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.7681	0.2319	0.7681	0.0992	0.1807
ads	0.7378	0.2622	0.7378	0.3837	0.5257
adult	0.3690	0.6310	0.3690	0.0885	0.4744
AID1284Morered	0.6389	0.3611	0.6389	0.2148	0.5726
AID1284red	0.4722	0.5278	0.4722	0.0229	0.5722
AID_1431	0.3889	0.6111	0.3889	-0.0215	0.4016
AID1608Morered	0.4272	0.5728	0.4272	-0.0026	0.3357
AID1608red	0.3592	0.6408	0.3592	0.0012	0.2727
AID_1878	0.2762	0.7238	0.2762	0.0455	0.3900
AID362red	0.7734	0.2266	0.7734	0.0327	0.1521
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.8980	0.1020	0.8980	0.0078	0.0241
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.8016	0.1984	0.8016	-0.0060	0.0371
AID600_MACCS	0.4595	0.5405	0.4595	0.0585	0.7100
AID_602330	0.2604	0.7396	0.2604	-0.0012	0.1845
AID604	0.4328	0.5672	0.4328	0.0053	0.0177
AID604AID644_AllRed	0.9309	0.0691	0.9309	0.0124	0.0338
AID644Morered	0.4500	0.5500	0.4500	-0.2500	0.9654
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.3131	0.4579	0.3131	0.0435	0.4056
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.7254	0.2746	0.7254	0.0028	0.0323
AID688red	0.2026	0.7974	0.2026	-0.0010	0.0453
AID721morered	0.7778	0.2222	0.7778	0.3571	0.7720
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.7944	0.2056	0.7944	-0.0004	0.0133
AID746red	0.2792	0.7208	0.2792	0.0018	0.0298
AID_773	0.5185	0.4815	0.5185	-0.0541	0.5479
AID852_MACCS	0.8462	0.1538	0.8462	0.5860	0.6412
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.8665	0.0668	0.8665	0.7603	0.1818
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9124	0.0219	0.9124	0.8594	0.1363
anuran-species	0.9792	0.0042	0.9792	0.9711	0.0466
aps-failure	0.8541	0.1459	0.8541	0.1652	0.2571
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.6444	0.0547	0.6444	0.5190	0.2560
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.5807	0.0699	0.5807	0.5062	0.2074
balance	0.7742	0.1505	0.7742	0.6173	0.3866
bank	0.6960	0.3040	0.6960	0.3001	0.4648
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.4217	0.5783	0.4217	0.0659	0.5674
basehock	0.9548	0.0452	0.9548	0.9095	0.1954
bio	0.8002	0.1998	0.8002	0.0648	0.1136
biodeg	0.5714	0.4286	0.5714	0.2410	0.6535
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.5071	0.0340	0.5071	0.0351	0.2453
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5714	0.4286	0.5714	0.2759	0.5239
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.1339	0.8661	0.1339	0.0080	0.2324
bze_3d_rdkit_descriptors	0.5366	0.4634	0.5366	0.1542	0.6813
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.7971	0.2029	0.7971	0.5988	0.6219
cardiotocography	0.8310	0.0338	0.8310	0.7948	0.1777
cardiotocography-nsp	0.6808	0.2128	0.6808	0.4273	0.3642
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6624	0.4418
cas_N6512_cdk_ECFP2	0.5591	0.4409	0.5591	0.0486	0.5962
cdc_diabetes	0.1631	0.5579	0.1631	0.0557	0.3291
census10%	0.5033	0.4967	0.5033	0.0936	0.2574
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.4884	0.5116	0.4884	0.0545	0.2843
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.3605	0.6395	0.3605	-0.0111	0.4021
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9820	0.0180	0.9820	0.0896	0.1285
ci100410h_MACCS	0.6875	0.3125	0.6875	0.2417	0.7868
ci200186.atompair_fp	0.4909	0.5091	0.4909	0.1538	0.5271
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7357	0.4825
ci200186m_ExtendedFingerprinter	0.6364	0.3636	0.6364	0.3293	0.7024
ci900367j_MACCS	0.4947	0.5053	0.4947	0.1480	0.5288
cirrhosis	0.8095	0.1270	0.8095	0.6233	0.3406
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8148	0.0926	0.8148	0.7157	0.4044
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.6600	0.3400	0.6600	0.0449	0.5692
cmc	0.5646	0.2902	0.5646	0.3322	0.6579
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0776
codon_usage	0.7391	0.0474	0.7391	0.6800	0.2742
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.2596	0.7024
colposcopies-2	0.3448	0.6552	0.3448	-0.0998	0.8386
colposcopies-3	0.5517	0.4483	0.5517	0.1678	0.8198
colposcopies-4	0.4138	0.5862	0.4138	-0.1546	0.8908

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.1655	0.7831
colposcopies-6	0.6552	0.3448	0.6552	0.3160	0.8391
colposcopies-c	0.3793	0.6207	0.3793	-0.0697	0.7780
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9760	0.0160	0.9760	0.6326	0.5178
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0845	0.6420
coupon	0.4827	0.5173	0.4827	0.0741	0.6262
covtype	0.6911	0.0883	0.6911	0.4931	0.3277
covtypeCD	0.7286	0.2714	0.7286	0.3704	0.5110
covtypeT	0.7122	0.2878	0.7122	0.2350	0.3893
cox2_cdk_ECFP2	0.3696	0.6304	0.3696	-0.0183	0.6571
crowdsourced	0.6065	0.1312	0.6065	0.4244	0.5403
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.5625	0.0219	0.5625	0.5488	0.0677
cyclopentane	0.7037	0.2963	0.7037	0.4286	0.6809
cylinder-bands	0.4444	0.5556	0.4444	0.0276	0.5294
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8150	0.1850	0.8150	0.4238	0.7149
deposit	0.3984	0.6016	0.3984	0.0963	0.3502
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7838	0.2032
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.6053	0.3947	0.6053	0.2893	0.6215
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5383	0.3078	0.5383	0.0012	0.3756
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6667	0.3333	0.6667	0.3333	0.8453
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5567	0.4433	0.5567	0.0839	0.8912
dropout	0.7269	0.1821	0.7269	0.5307	0.4720
drug-01	0.1330	0.2477	0.1330	0.0141	0.7205
drug-02	0.2074	0.2264	0.2074	0.0881	0.6472
drug-03	0.1915	0.2310	0.1915	0.0405	0.4489
drug-04	0.2340	0.2188	0.2340	0.0452	0.7147
drug-05	0.6649	0.0957	0.6649	-0.0237	0.5110
drug-06	0.3511	0.1854	0.3511	0.2142	0.6256
drug-07	0.0532	0.2705	0.0532	-0.0274	0.6072
drug-08	0.1809	0.2340	0.1809	0.0562	0.6356
drug-09	0.3032	0.1991	0.3032	0.0436	0.4008
drug-10	0.1649	0.2386	0.1649	0.0431	0.5901
drug-11	0.2021	0.2280	0.2021	0.0410	0.4957
drug-12	0.2181	0.2234	0.2181	0.0568	0.5130
drug-13	0.2287	0.2204	0.2287	0.0676	0.6850
drug-14	0.2021	0.2280	0.2021	0.0860	0.5285
drug-15	0.1702	0.2371	0.1702	0.0458	0.6117
drug-16	0.2500	0.2143	0.2500	0.1037	0.4975
drug-17	0.2021	0.2280	0.2021	0.0716	0.7180
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.1862	0.2325	0.1862	0.0807	0.3575
drybean	0.9258	0.0212	0.9258	0.9101	0.1145
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1485	0.1064	0.1485	0.1062	0.5663
eeg-eye	0.5614	0.4386	0.5614	0.0267	0.5403
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.5128	0.4872	0.5128	0.1512	0.6901
er_tox_cdk_ECFP2	0.5000	0.5000	0.5000	0.1304	0.7592
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.2009	0.6023
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.5960	0.5283
er_tox_rdkit_descriptors	0.6230	0.3770	0.6230	0.2996	0.7382
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.3564	0.5599
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4981	0.6523
er_tox_rdkit_TORSION	0.8710	0.1290	0.8710	0.1419	0.5445
eucalyptus	0.5890	0.1644	0.5890	0.4687	0.4622
euthyroid	0.5222	0.4778	0.5222	0.1245	0.3965
exon.vs.intron-freq	0.5805	0.4195	0.5805	0.1949	0.5250
fbis-wc	0.8496	0.0177	0.8496	0.8287	0.1134
fda.atompair_fp	0.3636	0.6364	0.3636	0.0128	0.6952
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5000	0.1250	0.5000	0.3506	0.2853
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.5403	0.0061	0.5316	0.5071	0.5449
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9741	0.0086	0.9741	0.9686	0.0568
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5832	0.2779	0.5832	0.0093	0.4866
gene	0.9401	0.0400	0.9401	0.9043	0.1733
german	0.4300	0.5700	0.4300	0.0532	0.7340
gina	0.6455	0.3545	0.6455	0.2980	0.7525
glass	0.8095	0.0635	0.8095	0.7423	0.2203
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.6000	0.6336
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.5000	0.7079
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.6429	0.3571	0.6429	0.3358	0.6621
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4608
haberman	0.6667	0.3333	0.6667	0.2647	0.8104
hapt	0.9460	0.0090	0.9460	0.9362	0.0526
har70	0.3489	0.1827	0.3496	0.2993	0.2492
harth10%	0.5419	0.0763	0.5419	0.4297	0.4039
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.7407	0.2593	0.7407	0.4850	0.7305
heart-c	0.8667	0.1333	0.8667	0.7368	0.3750
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7079	0.2921	0.7079	0.4138	0.5545
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.1250	0.9054
higgs10%	0.5639	0.4361	0.5639	0.0794	0.6280
higher	0.5000	0.1250	0.5000	0.4096	0.1962
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.5970	0.4030	0.5970	0.2529	0.5187
hiva	0.3901	0.6099	0.3901	-0.0167	0.1978
horse	0.6667	0.2222	0.6667	0.4894	0.4916
htru2	0.4955	0.5045	0.4955	0.1238	0.3390
ht-sensor	0.6709	0.2194	0.6709	0.5160	0.3743
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.4915	0.5085	0.4915	0.1682	0.6164
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8691	0.0101	0.8691	0.8638	0.1138
jm1	0.1974	0.8026	0.1974	0.0018	0.3833
fvowels	0.7631	0.0527	0.7631	0.7324	0.2182
kc1	0.4265	0.5735	0.4265	0.1197	0.4384
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3750	0.1287
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.3077	0.6923	0.3077	0.0260	0.5401
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9301	0.0078	0.9301	0.9220	0.1035
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7587	0.0804	0.7587	0.6977	0.3308
la2s-wc	0.7517	0.0828	0.7517	0.6867	0.3490
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6915	0.0578
led24	0.6500	0.0700	0.6500	0.6067	0.1668
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8450	0.0119	0.8450	0.8388	0.1512
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8212	0.0534
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.3824	0.6176	0.3824	0.0580	0.5050
localization	0.0681	0.1694	0.0681	0.0456	0.5717
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5000	0.5000	0.5000	0.0000	0.6993
magic04	0.3714	0.6286	0.3714	0.0219	0.5112

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6875	0.3125	0.6875	0.3901	0.7052
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7159	0.3448
messidor	0.5565	0.4435	0.5565	0.1860	0.6578
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9850	0.0030	0.9850	0.9833	0.0190
mfeat-fou	0.7350	0.0530	0.7350	0.7056	0.1933
mfeat-kar	0.9250	0.0150	0.9250	0.9167	0.0898
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.1933
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0380
mfeat-zer	0.6050	0.0790	0.6050	0.5611	0.3044
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4118	0.2353	0.4118	0.2680	0.6052
mobile	0.8846	0.0041	0.8846	0.8825	0.0549
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.6258	0.3742	0.6258	0.2713	0.5034
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9823
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6176	0.3824	0.6176	0.2353	0.5129
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.2111	0.8122
MUT_ci300400a	0.5990	0.4010	0.5990	0.0725	0.6107
MUT_ci300400a_cdk_ECFP2	0.5995	0.4005	0.5995	0.0484	0.5438
myocardial	0.2765	0.1809	0.2765	0.0685	0.4475
naticusdroid	0.8115	0.1885	0.8115	0.6232	0.4391
nci9	0.3333	0.1481	0.3333	0.2258	0.1146
ncRNA10%	0.4661	0.0562	0.4661	0.2518	0.6110
newspop	0.5336	0.4664	0.5336	0.0029	0.5282
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7182	0.2818	0.7182	0.4647	0.5494
NPHA-doctor-visits	0.3889	0.4074	0.3889	0.1266	0.7017
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9825	0.0175	0.9825	0.9520	0.1744
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9010	0.0198	0.9010	0.8861	0.0892
oh10-wc	0.7810	0.0438	0.7810	0.7499	0.2180
oh15-wc	0.8261	0.0348	0.8261	0.8018	0.1669
oh5-wc	0.8352	0.0330	0.8352	0.8146	0.1454
opn310k	0.1370	0.8630	0.1370	0.0087	0.2330
opnat310k-hg16-17	0.1358	0.8642	0.1358	0.0086	0.2320
optdigits	0.9466	0.0107	0.9466	0.9406	0.0597
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.7194	0.2806	0.7194	0.1477	0.2601
ozone8hr	0.6640	0.3360	0.6640	0.1549	0.4238
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.8629	0.0548	0.8629	0.5282	0.3796

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.3088	0.6912	0.3088	0.0219	0.4789
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.6216	0.3784	0.6216	0.1134	0.3968
pcmac	0.5619	0.4381	0.5619	-0.0367	0.7449
pd	0.6974	0.3026	0.6974	0.4103	0.6010
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1102
pendigits	0.9909	0.0018	0.9909	0.9899	0.0160
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.5000	0.5000	0.5000	0.1604	0.6544
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9081
P-Glycoprotein_c_RDkit_AtomPair_FP	0.6984	0.3016	0.6984	0.4168	0.4963
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9714	0.0286	0.9714	0.9408	0.1699
phoneme	0.4537	0.5463	0.4537	0.1502	0.5039
phy	0.4972	0.5028	0.4972	-0.0000	0.5368
pima	0.6184	0.3816	0.6184	0.3095	0.6190
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.4991	0.1002	0.4991	0.3394	0.6675
polish-1st	0.3713	0.6287	0.3713	0.0113	0.1870
polish-2nd	0.1967	0.8033	0.1967	0.0108	0.1364
polish-3rd	0.3057	0.6943	0.3057	0.0129	0.2024
polish-4th	0.2347	0.7653	0.2347	0.0200	0.1787
polish-5th	0.3012	0.6988	0.3012	0.0246	0.2609
polya	0.6454	0.3546	0.6454	0.0217	0.5775
popularity	0.6310	0.2460	0.6310	0.0026	0.3425
post-operative	0.4444	0.3704	0.4444	0.0000	0.4361
postures	0.7216	0.1113	0.7216	0.6510	0.2531
pred-tox_mutagen_ref-desc	0.5441	0.4559	0.5441	0.0882	0.6591
primary-tumor	0.2424	0.0689	0.2424	0.1709	0.3079
profb	0.3582	0.6418	0.3582	-0.0014	0.6858
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.8931	0.0428	0.8931	0.8601	0.1581
pufs-6410%	0.4993	0.5008	0.4993	-0.0015	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5296
re0-wc	0.8200	0.0277	0.8200	0.7725	0.2439
re1-wc	0.8373	0.0130	0.8373	0.8119	0.0967
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9987	0.0002	0.9987	0.9967	0.0021
satimage	0.8009	0.0664	0.8009	0.7586	0.2556
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.6967	0.3033	0.6967	0.2671	0.4731
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4118	0.5882	0.4118	-0.1765	0.9771
secom	0.5833	0.4167	0.5833	-0.0288	0.3866
secondary_mushroom	0.6406	0.3594	0.6406	0.3261	0.5171
segment	0.9610	0.0111	0.9610	0.9544	0.0450
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.2442	0.7558	0.2442	0.0301	0.1974
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sens-2-gram	0.2526	0.7474	0.2526	0.0312	0.3592
sens-3-gram	0.3737	0.6263	0.3737	0.0661	0.4249
sens-4-gram	0.4053	0.5947	0.4053	0.0411	0.4898
sensorless	0.9868	0.0024	0.9868	0.9855	0.0199
sepsis	0.1710	0.8290	0.1710	0.0156	0.2422
shoppers	0.5791	0.4209	0.5791	0.2358	0.4642
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9072	0.0928	0.9072	0.4881	0.5809
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9968	0.0032	0.9968	0.9904	0.0536
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7122	0.0959	0.7122	0.6362	0.2614
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.6826	0.3174	0.6826	0.4151	0.5531
spect	0.6667	0.3333	0.6667	0.1818	0.8134
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5660	0.0181	0.5660	0.5422	0.1200
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.4500	0.5500	0.4500	0.0894	0.6094
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.5487	0.4513	0.5487	0.2242	0.5523
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8385	0.1077	0.8385	0.7445	0.3132
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.5179	0.4821	0.5179	0.1840	0.6326
steel-p	0.7231	0.2769	0.7231	0.2753	0.4216
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.8923	0.1077	0.8923	0.5624	0.5738
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.2923	0.2831	0.2923	0.0612	0.6838
student-workday	0.2344	0.3063	0.2344	0.0141	0.3958
susy10%	0.7208	0.2792	0.7208	0.4148	0.6324
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6480
Tdp_desc	0.5833	0.4167	0.5833	0.1401	0.7616
texture	0.9509	0.0089	0.9509	0.9458	0.0587
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.4043	0.5957	0.4043	0.0266	0.5463
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.5789	0.4211	0.5789	0.2766	0.5389
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	1.0000	0.0000	1.0000	1.0000	0.0000
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.7059	0.2941	0.7059	0.3307	0.8305
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.3333	0.6667	0.3333	0.0443	0.5452
trec11-wc	0.9024	0.0217	0.9024	0.8809	0.0926
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9773	0.0045	0.9773	0.9723	0.0284
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9641	0.0359	0.9641	0.8948	0.2991
turkish	0.8000	0.1000	0.8000	0.7333	0.1572
tvnews	0.3733	0.6267	0.3733	0.0085	0.5165
urban	0.8806	0.0265	0.8806	0.8609	0.1204
vehicle	0.5238	0.2381	0.5238	0.3745	0.4753
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6162	0.0698	0.6162	0.5778	0.1986
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8950	0.1050	0.8950	0.1851	0.6666
wap-wc	0.6923	0.0308	0.6923	0.6529	0.1818
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8526	0.0421	0.8526	0.8275	0.1361
watch-gyr10%	0.8860	0.0326	0.8860	0.8669	0.1248
waveform	0.7680	0.1547	0.7680	0.6519	0.4718
web-phishing	0.8741	0.0840	0.8741	0.7817	0.3591
weight-lift	0.8808	0.0477	0.8808	0.8498	0.1815
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.5859	0.4141	0.5859	0.0997	0.2681
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.3459	0.2180	0.3459	0.1675	0.4186
winequality-white	0.1943	0.2302	0.1943	0.0510	0.5111
winnipeg	0.9823	0.0051	0.9823	0.9776	0.0437
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.5203	0.0959	0.5203	0.3756	0.3627
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.8446	0.1554	0.8446	0.1994	0.4811
zip	0.8957	0.0209	0.8957	0.8833	0.1463
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 150: Detailed results for EASE(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0576	0.0650	0.0576	0.0238	0.6189
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.7671	0.2329	0.7671	0.1873	0.4207
accelerometer	0.9809	0.0191	0.9809	0.3744	0.5337
ads	0.9665	0.0335	0.9665	0.8670	0.3374
adult	0.7848	0.2152	0.7848	0.4962	0.6756
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.6905	0.3095	0.6905	0.0016	0.5518
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.7184	0.2816	0.7184	-0.1018	0.4307
AID_1878	0.6857	0.3143	0.6857	0.1628	0.7691
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.7255	0.2745	0.7255	0.0013	0.0321
AID600_MACCS	0.7838	0.2162	0.7838	0.5316	0.6596
AID_602330	0.7812	0.2188	0.7812	0.0195	0.3800
AID604	0.9996	0.0004	0.9996	0.9410	0.1510
AID604AID644_AllRed	0.9328	0.0672	0.9328	0.0128	0.0346
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8687	0.0875	0.8687	0.1906	0.5588
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9958	0.0042	0.9958	-0.0017	0.5306
AID688red	0.7462	0.2538	0.7462	-0.0064	0.0933
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9921	0.0079	0.9921	0.1098	0.5309
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9654	0.0449
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9833	0.0042	0.9833	0.9726	0.0769
anuran-species	0.9806	0.0039	0.9806	0.9729	0.0569
aps-failure	0.9945	0.0055	0.9945	0.8405	0.2766
arcene	0.6500	0.3500	0.6500	0.2553	0.8874
arrhythmia	0.6667	0.0513	0.6667	0.5524	0.1949
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0333
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8693	0.0386
avila	0.9976	0.0004	0.9976	0.9969	0.0089
balance	0.7742	0.1505	0.7742	0.6213	0.3638
bank	0.9031	0.0969	0.9031	0.5605	0.6106
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7719	0.2281	0.7719	0.5238	0.7146
basehock	0.9548	0.0452	0.9548	0.9096	0.2353
bio	0.9979	0.0021	0.9979	0.8770	0.1686
biodeg	0.8667	0.1333	0.8667	0.7226	0.5300
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9934	0.0000	0.9768	0.1498	0.3231
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5714	0.4286	0.5714	0.1923	0.7763
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.8363	0.1637	0.8363	0.3366	0.6199
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.9130	0.0870	0.9130	0.8181	0.3489
cardiotocography	0.8263	0.0347	0.8263	0.7937	0.2050
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8237	0.2382
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7849	0.3173
cas_N6512_cdk_ECFP2	0.7343	0.2657	0.7343	0.4628	0.7737
cdc_diabetes	0.7639	0.1574	0.7639	0.1655	0.6267
census10%	0.9723	0.0455	0.9416	0.4200	0.3695
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.8023	0.1977	0.8023	0.0214	0.5120
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8337	0.3268
ci100410h_MACCS	0.7188	0.2812	0.7188	0.3455	0.7304
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.5980	0.6146
ci200186m_DESC_PADEL	0.7963	0.2037	0.7963	0.5587	0.6863
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7279	0.5242
ci900367j_MACCS	0.6421	0.3579	0.6421	0.2860	0.8509
cirrhosis	0.7619	0.1587	0.7619	0.5455	0.5220
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7269	0.1366	0.7269	0.6018	0.5114
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.7200	0.2800	0.7200	0.1765	0.5752
cmc	0.4898	0.3401	0.4898	0.2007	0.7556
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0566
codon_usage	0.9325	0.0123	0.9325	0.9181	0.1870
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.2500	0.8750
colposcopies-1	0.7241	0.2759	0.7241	0.3895	0.8063
colposcopies-2	0.7241	0.2759	0.7241	0.3446	0.6808
colposcopies-3	0.7241	0.2759	0.7241	0.4450	0.7776
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.1655	0.7831
colposcopies-6	0.6552	0.3448	0.6552	0.3095	0.8747
colposcopies-c	0.7586	0.2414	0.7586	0.4249	0.7318
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9988	0.0008	0.9988	0.9731	0.0031
cottonmeloidogyne	0.6154	0.3846	0.6154	0.2299	0.9115
coupon	0.6916	0.3084	0.6916	0.3798	0.8267
covtype	0.9759	0.0069	0.9759	0.9613	0.0845
covtypeCD	0.9920	0.0080	0.9920	0.9661	0.0958
covtypeT	0.9894	0.0106	0.9894	0.9182	0.2061
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.3722	0.7266
crowdsourced	0.9530	0.0157	0.9530	0.9032	0.1902
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3555	0.1193
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	1.0000	0.0000	1.0000	1.0000	0.0000
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.6933	0.3067	0.6933	0.2940	0.7518
deposit	0.8910	0.1090	0.8910	0.5392	0.6245
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3684	0.5443
dexter	0.8500	0.1500	0.8500	0.7000	0.5590
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5346	0.7157
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5767	0.2756	0.5738	0.1591	0.5368
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.4583	0.5417	0.4583	-0.0986	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5538	0.4462	0.5538	0.0916	0.9541
dropout	0.7540	0.1640	0.7540	0.5989	0.4817
drug-01	0.2181	0.2234	0.2181	0.0337	0.8475
drug-02	0.3989	0.1717	0.3989	0.1748	0.7980
drug-03	0.5585	0.1261	0.5585	0.1205	0.8241
drug-04	0.3404	0.1885	0.3404	0.1001	0.8068
drug-05	0.5532	0.1277	0.5532	0.0257	0.7368
drug-06	0.2872	0.2036	0.2872	0.1459	0.7127
drug-07	0.2128	0.2249	0.2128	0.0100	0.8334
drug-08	0.4628	0.1535	0.4628	0.2394	0.7646
drug-09	0.7766	0.0638	0.7766	0.1548	0.6900
drug-10	0.4574	0.1550	0.4574	0.1945	0.7595
drug-11	0.7287	0.0775	0.7287	0.1426	0.7721
drug-12	0.6223	0.1079	0.6223	0.1078	0.8197
drug-13	0.4947	0.1444	0.4947	0.2197	0.7929
drug-14	0.5372	0.1322	0.5372	0.2861	0.7533
drug-15	0.6117	0.1109	0.6117	0.1319	0.8437
drug-16	0.4681	0.1520	0.4681	0.2426	0.7234
drug-17	0.2819	0.2052	0.2819	0.1213	0.8142
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.5745	0.1216	0.5745	0.0909	0.7567
drybean	0.9192	0.0231	0.9192	0.9023	0.1295
ecoli	0.6765	0.0809	0.6765	0.5735	0.2274
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5702	0.0537	0.5702	0.5257	0.5580
eeg-eye	0.9199	0.0801	0.9199	0.8379	0.3725
EPA_FHM	0.9180	0.0820	0.9180	0.2432	0.6536
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.5390	0.7035
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.5704	0.5288
er_tox_rdkit_AVALON	0.8361	0.1639	0.8361	0.4544	0.6436
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5436	0.6650
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.8871	0.1129	0.8871	0.6528	0.5611
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	0.5709	0.5288
er_tox_rdkit_MORGAN	0.8065	0.1935	0.8065	0.2749	0.3900
er_tox_rdkit_PATTERN	0.9194	0.0806	0.9194	0.8183	0.4044
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6059	0.6342
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.4678	0.5898
eucalyptus	0.6575	0.1370	0.6575	0.5650	0.3744
euthyroid	0.9620	0.0380	0.9620	0.7723	0.3520
exon.vs.intron-freq	0.9823	0.0177	0.9823	0.9645	0.1206
fbis-wc	0.8415	0.0187	0.8415	0.8212	0.1837
fda.atompair_fp	0.4091	0.5909	0.4091	-0.2883	0.9209
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.5000	0.1250	0.5000	0.4186	0.2269
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5448	0.0062	0.5357	0.5006	0.5580
forest	0.9231	0.0385	0.9231	0.8934	0.0853
gas	0.9950	0.0017	0.9950	0.9939	0.0122
gastrointestinal	0.7500	0.1667	0.7500	0.6322	0.3178
gender	0.5474	0.3018	0.5474	0.1336	0.7543
gene	0.9432	0.0379	0.9432	0.9093	0.1880
german	0.6500	0.3500	0.6500	0.2045	0.8963
gina	0.9481	0.0519	0.9481	0.8962	0.2707
glass	0.7143	0.0952	0.7143	0.6159	0.2588
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.8571	0.1429	0.8571	0.5039	0.3038
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7295	0.5195
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4608
haberman	0.6000	0.4000	0.6000	0.0526	0.8954
hapt	0.9726	0.0046	0.9726	0.9676	0.0320
har70	0.9309	0.0197	0.9309	0.8986	0.3137
harth10%	0.8396	0.0256	0.8577	0.8018	0.2120
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8609	0.1391	0.8609	0.7220	0.5229
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.7230	0.2770	0.7230	0.4401	0.7832
higher	0.1429	0.2143	0.1429	0.0508	0.3626
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8162	0.1838	0.8162	0.4821	0.6560
hiva	0.9527	0.0473	0.9527	0.0699	0.6111
horse	0.6667	0.2222	0.6667	0.3958	0.5509
htru2	0.9754	0.0246	0.9754	0.8499	0.2948
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0001
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5932	0.4068	0.5932	0.0419	0.9194
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9243	0.0058	0.9243	0.9212	0.0688
jm1	0.6887	0.3113	0.6887	0.2605	0.7294
fvowels	0.9869	0.0029	0.9869	0.9852	0.0231
kc1	0.8341	0.1659	0.8341	0.5008	0.6430
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.2432	0.0614
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.6923	0.3077	0.6923	0.2715	0.7563
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.9152	0.0094	0.9152	0.9053	0.1214
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8921	0.0360	0.8921	0.8639	0.1942
la2s-wc	0.8841	0.0386	0.8841	0.8543	0.2063
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7221	0.0630
led24	0.6000	0.0800	0.6000	0.5531	0.1952
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9555	0.0034	0.9555	0.9537	0.0531
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8210	0.0781
linkage10%	1.0000	0.0001	1.0000	1.0000	0.0209
liver	0.7353	0.2647	0.7353	0.3806	0.7996
localization	0.7414	0.0470	0.7414	0.6794	0.5333
lrs	0.8491	0.0302	0.8491	0.7934	0.1358
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7846	0.2154	0.7846	0.5692	0.6916
magic04	0.8769	0.1231	0.8769	0.7287	0.5146

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5434	0.7038
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7446	0.3750
messidor	0.6522	0.3478	0.6522	0.2988	0.8751
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0481
mfeat-fou	0.8000	0.0400	0.8000	0.7778	0.1653
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0670
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2061
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0250
mfeat-zer	0.7900	0.0420	0.7900	0.7667	0.1276
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4832	0.4149
mobile	0.9056	0.0034	0.9056	0.9039	0.0445
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9773	0.0227	0.9773	0.9083	0.1182
mutagen_class_1	0.5735	0.4265	0.5735	0.1471	0.8735
mutagen_class_2	0.6029	0.3971	0.6029	0.2059	0.8575
mutagen_class_3	0.5362	0.4638	0.5362	0.0831	0.7336
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7929
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3745	0.8355
MUT_ci300400a	0.8484	0.1516	0.8484	0.6882	0.5666
MUT_ci300400a_cdk_ECFP2	0.8153	0.1847	0.8153	0.6197	0.6410
myocardial	0.8588	0.0353	0.8588	0.4347	0.4544
naticusdroid	0.9021	0.0979	0.9021	0.8042	0.3893
nci9	0.3333	0.1481	0.3333	0.2727	0.1042
ncRNA10%	0.9168	0.0092	0.9027	0.7516	0.4283
newspop	0.6473	0.3527	0.6473	0.2828	0.8727
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9707	0.0293	0.9707	0.9285	0.2082
NPHA-doctor-visits	0.4167	0.3889	0.4167	0.0363	0.7954
nursery	0.9985	0.0006	0.9985	0.9977	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0807
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9505	0.0099	0.9505	0.9434	0.0528
oh10-wc	0.7810	0.0438	0.7810	0.7533	0.2002
oh15-wc	0.8913	0.0217	0.8913	0.8768	0.1090
oh5-wc	0.8571	0.0286	0.8571	0.8395	0.1445
opn310k	0.7833	0.2167	0.7833	0.2685	0.5742
opnat310k-hg16-17	0.7818	0.2182	0.7818	0.2606	0.5769
optdigits	0.9626	0.0075	0.9626	0.9585	0.0514
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9051	0.0949	0.9051	0.3650	0.4781
ozone8hr	0.9012	0.0988	0.9012	0.3055	0.6641
p53-mutants10%	0.9554	0.0446	0.9554	-0.0060	0.1144
page-blocks	0.9726	0.0110	0.9726	0.8496	0.2081

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8917	0.1083	0.8917	0.7292	0.5002
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.8288	0.1712	0.8288	0.2685	0.5667
pcmac	0.5258	0.4742	0.5258	-0.0483	0.9743
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.9118	0.0252	0.9118	0.8924	0.0778
pendigits	0.9954	0.0009	0.9954	0.9949	0.0088
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.3333	0.6667	0.3333	-0.2857	0.9644
P-Glycoprotein_b_Inhibitor	0.8093	0.1907	0.8093	0.5469	0.6365
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8626
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3269	0.7462
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9755	0.0245	0.9755	0.9484	0.1522
phoneme	0.9185	0.0815	0.9185	0.8017	0.4238
phy	0.6868	0.3132	0.6868	0.3739	0.8343
pima	0.6974	0.3026	0.6974	0.3555	0.8332
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.8205	0.0359	0.8205	0.6942	0.5318
polish-1st	0.9744	0.0256	0.9744	0.6653	0.4877
polish-2nd	0.9597	0.0403	0.9597	0.4728	0.5726
polish-3rd	0.9476	0.0524	0.9476	0.4945	0.5892
polish-4th	0.9622	0.0378	0.9622	0.6467	0.5191
polish-5th	0.9645	0.0355	0.9645	0.7152	0.4280
polya	0.7027	0.2973	0.7027	0.3421	0.8339
popularity	0.6547	0.2302	0.6547	0.2719	0.6929
post-operative	0.4444	0.3704	0.4444	-0.2500	0.4666
postures	0.9948	0.0021	0.9948	0.9934	0.0160
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8819
primary-tumor	0.2424	0.0689	0.2424	0.1717	0.2364
profb	0.6866	0.3134	0.6866	0.2976	0.8512
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9960	0.0016	0.9960	0.9947	0.0141
pufs-6410%	0.4936	0.5064	0.4936	-0.0127	0.9854
raisin	0.8444	0.1556	0.8444	0.6889	0.5706
re0-wc	0.8000	0.0308	0.8000	0.7409	0.2441
re1-wc	0.8554	0.0116	0.8554	0.8350	0.1253
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7083	0.2917	0.7083	0.3903	0.8172
RT_IOT2022	0.9955	0.0007	0.9955	0.9888	0.0115
satimage	0.9067	0.0311	0.9067	0.8851	0.1604
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.9425	0.0575	0.9425	0.6304	0.4082
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.8654	0.1346	0.8654	0.2095	0.6098
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9740	0.0074	0.9740	0.9696	0.0292
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8411	0.1589	0.8411	0.2573	0.5627
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.7921	0.2079	0.7921	0.2166	0.7338
sens-2-gram	0.8211	0.1789	0.8211	0.2782	0.7305
sens-3-gram	0.8263	0.1737	0.8263	0.3207	0.7167
sens-4-gram	0.8053	0.1947	0.8053	0.1621	0.7600
sensorless	0.9968	0.0006	0.9968	0.9964	0.0069
sepsis	0.4251	0.5749	0.4251	0.0551	0.3693
shoppers	0.8800	0.1200	0.8800	0.5454	0.6303
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9761	0.0239	0.9761	0.7958	0.3118
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9992	0.0008	0.9992	0.9975	0.0173
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7410	0.0863	0.7410	0.6737	0.2425
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9196	0.0804	0.9196	0.8300	0.3685
spect	0.7407	0.2593	0.7407	0.2921	0.7993
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.4151	0.0244	0.4151	0.3874	0.1211
splice-EI	0.9748	0.0252	0.9748	0.9331	0.1912
splice-IE	0.9432	0.0568	0.9432	0.8428	0.3504
sport-articles	0.8400	0.1600	0.8400	0.6490	0.5884
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8462	0.1538	0.8462	0.5449	0.6593
steel-d	0.9846	0.0154	0.9846	0.7613	0.4382
steel_industry	0.8856	0.0763	0.8856	0.8159	0.2719
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.8256	0.1744	0.8256	0.6187	0.6358
steel-p	0.9385	0.0615	0.9385	0.5915	0.5517
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.5385	0.3077	0.5385	0.2909	0.5491
student-weekend	0.3231	0.2708	0.3231	0.1154	0.7138
student-workday	0.5938	0.1625	0.5938	0.1536	0.6596
susy10%	0.7858	0.2142	0.7858	0.5678	0.6915
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8333	0.1667	0.8333	0.5574	0.6583
texture	0.9855	0.0026	0.9855	0.9840	0.0223
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7021	0.2979	0.7021	0.1319	0.7275
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8983	0.1017	0.8983	0.7093	0.4598
titanic	0.7364	0.2636	0.7364	0.4184	0.7820
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.6471	0.1765	0.6471	0.5321	0.2107
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5067	0.4933	0.5067	-0.1185	0.8720
trec11-wc	0.9024	0.0217	0.9024	0.8811	0.0869
trec12-wc	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.7971	0.0793
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9576	0.0669
trec41-wc	0.8864	0.0227	0.8864	0.8632	0.1213
trec45-wc	0.9710	0.0058	0.9710	0.9663	0.0306
tuandromd	0.9821	0.0179	0.9821	0.9457	0.1915
turkish	0.7500	0.1250	0.7500	0.6667	0.2582
tvnews	0.9584	0.0416	0.9584	0.9092	0.2187
urban	0.8806	0.0265	0.8806	0.8600	0.1088
vehicle	0.8095	0.0952	0.8095	0.7428	0.1781
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.7907	0.2093	0.7907	0.5816	0.6797
vowel	0.6869	0.0569	0.6869	0.6556	0.1703
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.7813	0.2187	0.7813	0.2612	0.5754
wap-wc	0.7692	0.0231	0.7692	0.7444	0.1974
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0725
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9990	0.0003	0.9990	0.9989	0.0029
watch-gyr10%	0.9993	0.0002	0.9993	0.9992	0.0023
waveform	0.8360	0.1093	0.8360	0.7540	0.3742
web-phishing	0.8519	0.0988	0.8519	0.7349	0.4032
weight-lift	0.9997	0.0001	0.9997	0.9997	0.0008
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6415	0.1195	0.6415	0.4637	0.5782
winequality-white	0.6421	0.1022	0.6421	0.4934	0.6494
winnipeg	0.9868	0.0038	0.9868	0.9833	0.0601
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.5473	0.0905	0.5473	0.4328	0.4446
yeastCYT-POX	0.9388	0.0612	0.9388	0.5449	0.5239
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9495	0.0101	0.9495	0.9434	0.0830
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 151: Detailed results for EASE(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0647	0.0645	0.0647	0.0219	0.7019
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.7534	0.2466	0.7534	0.1012	0.4302
accelerometer	0.9806	0.0194	0.9806	0.3578	0.5362
ads	0.9543	0.0457	0.9543	0.8276	0.4062
adult	0.7830	0.2170	0.7830	0.4853	0.6889
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.6984	0.3016	0.6984	-0.0386	0.5637
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.7379	0.2621	0.7379	0.0387	0.4441
AID_1878	0.7333	0.2667	0.7333	0.2534	0.7609
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6743	0.3257	0.6743	0.0002	0.0292
AID600_MACCS	0.6486	0.3514	0.6486	0.2789	0.8812
AID_602330	0.7083	0.2917	0.7083	-0.0060	0.3258
AID604	0.9994	0.0006	0.9994	0.9140	0.2373
AID604AID644_AllRed	0.9341	0.0659	0.9341	0.0130	0.0352
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.8687	0.0875	0.8687	0.1936	0.5323
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9955	0.0045	0.9955	-0.0020	0.5425
AID688red	0.7433	0.2567	0.7433	0.0075	0.0947
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9923	0.0077	0.9923	0.1121	0.5235
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9805	0.0097	0.9805	0.9627	0.0473
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9861	0.0035	0.9861	0.9772	0.0842
anuran-species	0.9833	0.0033	0.9833	0.9768	0.0478
aps-failure	0.9949	0.0051	0.9949	0.8524	0.2656
arcene	0.7500	0.2500	0.7500	0.4681	0.7547
arrhythmia	0.6667	0.0513	0.6667	0.5436	0.3065
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0333
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8693	0.0386
avila	0.9957	0.0007	0.9957	0.9944	0.0339
balance	0.7419	0.1720	0.7419	0.5764	0.3773
bank	0.9048	0.0952	0.9048	0.5715	0.6053
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7834	0.2166	0.7834	0.5460	0.6985
basehock	0.9598	0.0402	0.9598	0.9196	0.2182
bio	0.9981	0.0019	0.9981	0.8898	0.1530
biodeg	0.8476	0.1524	0.8476	0.6830	0.5747
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9833	0.0000	0.9851	0.1539	0.3223
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5000	0.5000	0.5000	0.0000	0.8803
breast-cancer-co	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer-ma	0.5455	0.4545	0.5455	0.0351	0.9096
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.6957	0.3043	0.6957	0.1826	0.5087
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.7465	0.0507	0.7465	0.6964	0.2911
cardiotocography-nsp	0.8967	0.0689	0.8967	0.7376	0.2977
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7324	0.3976
cas_N6512_cdk_ECFP2	0.7235	0.2765	0.7235	0.4395	0.7868
cdc_diabetes	0.7662	0.1558	0.7662	0.1611	0.6286
census10%	0.9603	0.0472	0.9607	0.4359	0.3758
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.8256	0.1744	0.8256	0.0387	0.5425
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8432	0.3203
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3934	0.7250
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6502	0.6084
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6949	0.5482
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7692	0.4727
ci900367j_MACCS	0.6947	0.3053	0.6947	0.3941	0.7813
cirrhosis	0.7381	0.1746	0.7381	0.5043	0.5693
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7565	0.1218	0.7565	0.6408	0.4924
climate	0.8333	0.1667	0.8333	-0.0897	0.6582
cil_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.7000	0.3000	0.7000	0.0741	0.5948
cmc	0.5170	0.3220	0.5170	0.2515	0.7175
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0557
codon_usage	0.9394	0.0110	0.9394	0.9266	0.1797
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.7586	0.2414	0.7586	0.4781	0.7496
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7931	0.2069	0.7931	0.4821	0.7248

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.3741	0.7250
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9985	0.0010	0.9985	0.9663	0.0036
cottonmeloidogyne	0.6562	0.3438	0.6562	0.3122	0.8730
coupon	0.6853	0.3147	0.6853	0.3682	0.8328
covtype	0.9762	0.0068	0.9762	0.9618	0.0841
covtypeCD	0.9925	0.0075	0.9925	0.9684	0.1004
covtypeT	0.9881	0.0119	0.9881	0.9081	0.2210
cox2_cdk_ECFP2	0.6522	0.3478	0.6522	0.2655	0.6729
crowdsourced	0.9512	0.0163	0.9512	0.8997	0.1801
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4688	0.0266	0.4688	0.4527	0.0939
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8519	0.1481	0.8519	0.6971	0.5615
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.6913	0.3087	0.6913	0.2972	0.7457
deposit	0.8881	0.1119	0.8881	0.5300	0.6285
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3684	0.5443
dexter	0.8500	0.1500	0.8500	0.7000	0.5590
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.5100	0.7349
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5690	0.2819	0.5715	0.1602	0.5302
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.5000	0.5283
dlbcl-nih	0.5833	0.4167	0.5833	0.1176	0.9466
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5567	0.4433	0.5567	0.0968	0.9499
dropout	0.7630	0.1580	0.7630	0.6153	0.4611
drug-01	0.1968	0.2295	0.1968	0.0100	0.8538
drug-02	0.3617	0.1824	0.3617	0.1416	0.8245
drug-03	0.5266	0.1353	0.5266	0.1033	0.8077
drug-04	0.3617	0.1824	0.3617	0.1128	0.8107
drug-05	0.5798	0.1201	0.5798	0.0400	0.8011
drug-06	0.2819	0.2052	0.2819	0.1405	0.7256
drug-07	0.2660	0.2097	0.2660	0.0726	0.8340
drug-08	0.4574	0.1550	0.4574	0.2252	0.7954
drug-09	0.7500	0.0714	0.7500	0.1524	0.8229
drug-10	0.4628	0.1535	0.4628	0.1974	0.7636
drug-11	0.7181	0.0805	0.7181	0.0838	0.7636
drug-12	0.6117	0.1109	0.6117	0.0519	0.8494
drug-13	0.4734	0.1505	0.4734	0.1982	0.7435
drug-14	0.5160	0.1383	0.5160	0.2541	0.7923
drug-15	0.6330	0.1049	0.6330	0.1716	0.8463
drug-16	0.4521	0.1565	0.4521	0.2296	0.7600
drug-17	0.2500	0.2143	0.2500	0.0883	0.8260
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.5851	0.1185	0.5851	0.0822	0.8590
drybean	0.9229	0.0220	0.9229	0.9067	0.1236
ecoli	0.6765	0.0809	0.6765	0.5696	0.1713
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6393	0.5094
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5664	0.0542	0.5664	0.5213	0.5538
eeg-eye	0.9172	0.0828	0.9172	0.8326	0.3820
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2018	0.8954
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7133	0.5406
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.3807	0.4613
er_tox_rdkit_AVALON	0.7705	0.2295	0.7705	0.3847	0.5837
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5333	0.7088
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.7135	0.5115
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.4609	0.5000
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8910	0.2760
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6183	0.6296
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.5463	0.5751
eucalyptus	0.6301	0.1479	0.6301	0.5284	0.3939
euthyroid	0.9620	0.0380	0.9620	0.7723	0.3520
exon.vs.intron-freq	0.9826	0.0174	0.9826	0.9651	0.1189
fbis-wc	0.8252	0.0206	0.8252	0.8035	0.1828
fda.atompair_fp	0.4545	0.5455	0.4545	-0.2453	0.9308
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.6000	0.1000	0.6000	0.5266	0.1376
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5499	0.0060	0.5285	0.5187	0.5452
forest	0.9423	0.0288	0.9423	0.9203	0.0754
gas	0.9957	0.0014	0.9957	0.9948	0.0101
gastrointestinal	0.8125	0.1250	0.8125	0.7055	0.2670
gender	0.5600	0.2933	0.5600	0.1594	0.7403
gene	0.9401	0.0400	0.9401	0.9040	0.1870
german	0.6400	0.3600	0.6400	0.1982	0.9025
gina	0.9597	0.0403	0.9597	0.9192	0.2239
glass	0.7619	0.0794	0.7619	0.6856	0.2199
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4643	0.4563
haberman	0.7000	0.3000	0.7000	0.2623	0.8380
hapt	0.9634	0.0061	0.9634	0.9567	0.0485
har70	0.9307	0.0198	0.9307	0.8983	0.3090
harth10%	0.8645	0.0259	0.8384	0.7725	0.2033
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8612	0.1388	0.8612	0.7226	0.5222
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6000	0.4000	0.6000	0.1304	0.8900
higgs10%	0.7238	0.2762	0.7238	0.4414	0.7807
higher	0.2857	0.1786	0.2857	0.1954	0.2987
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8331	0.1669	0.8331	0.5206	0.6415
hiva	0.9527	0.0473	0.9527	0.0699	0.6111
horse	0.4722	0.3519	0.4722	0.2366	0.5471
htru2	0.9777	0.0223	0.9777	0.8620	0.2617
ht-sensor	1.0000	0.0000	1.0000	1.0000	0.0001
hypothyroid	0.9894	0.0053	0.9894	0.9359	0.0682
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6610	0.3390	0.6610	0.2016	0.8725
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9191	0.0062	0.9191	0.9159	0.0733
jm1	0.6997	0.3003	0.6997	0.2731	0.7326
fvowels	0.9869	0.0029	0.9869	0.9852	0.0227
kc1	0.8199	0.1801	0.8199	0.4416	0.6786
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.3000	0.0550
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.4234	0.7321
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9144	0.0095	0.9144	0.9045	0.1189
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8984	0.0339	0.8984	0.8721	0.1893
la2s-wc	0.8907	0.0364	0.8907	0.8624	0.1947
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6609	0.0744
led24	0.6500	0.0700	0.6500	0.6067	0.1545
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9565	0.0033	0.9565	0.9547	0.0521
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8611	0.0185	0.8611	0.8510	0.0658
linkage10%	0.9897	0.0001	0.9800	0.9721	0.0216
liver	0.7059	0.2941	0.7059	0.3585	0.8145
localization	0.7402	0.0472	0.7402	0.6780	0.5359
lrs	0.8491	0.0302	0.8491	0.7934	0.1358
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7255	0.1760
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7846	0.2154	0.7846	0.5692	0.6916
magic04	0.8685	0.1315	0.8685	0.7107	0.5371

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7500	0.2500	0.7500	0.4967	0.7500
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6990	0.3961
messidor	0.6522	0.3478	0.6522	0.3020	0.8713
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0446
mfeat-fou	0.8000	0.0400	0.8000	0.7778	0.1549
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0568
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2135
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0251
mfeat-zer	0.7950	0.0410	0.7950	0.7722	0.1187
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5201	0.3882
mobile	0.9091	0.0032	0.9091	0.9074	0.0418
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9803	0.0197	0.9803	0.9212	0.1091
mutagen_class_1	0.5882	0.4118	0.5882	0.1765	0.8854
mutagen_class_2	0.6029	0.3971	0.6029	0.2059	0.8575
mutagen_class_3	0.5217	0.4783	0.5217	0.0548	0.7385
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7238
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.8559	0.1441	0.8559	0.7041	0.5501
MUT_ci300400a_cdk_ECFP2	0.7878	0.2122	0.7878	0.5631	0.6931
myocardial	0.8765	0.0309	0.8765	0.4854	0.4321
naticusdroid	0.9656	0.0344	0.9656	0.9311	0.2017
nci9	0.5000	0.1111	0.5000	0.4375	0.0440
ncRNA10%	0.8925	0.0093	0.9300	0.7380	0.4444
newspop	0.6481	0.3519	0.6481	0.2856	0.8753
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9689	0.0311	0.9689	0.9242	0.2170
NPHA-doctor-visits	0.5000	0.3333	0.5000	0.1273	0.7603
nursery	0.9985	0.0006	0.9985	0.9977	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0807
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9505	0.0099	0.9505	0.9434	0.0528
oh10-wc	0.7810	0.0438	0.7810	0.7542	0.1860
oh15-wc	0.8804	0.0239	0.8804	0.8642	0.1192
oh5-wc	0.8462	0.0308	0.8462	0.8273	0.1615
opn310k	0.6849	0.3151	0.6849	0.1629	0.5083
opnat310k-hg16-17	0.7811	0.2189	0.7811	0.2616	0.5753
optdigits	0.9680	0.0064	0.9680	0.9644	0.0462
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9289	0.0711	0.9289	0.4072	0.5333
ozone8hr	0.9012	0.0988	0.9012	0.2711	0.6703
p53-mutants10%	0.9427	0.0573	0.9427	-0.0061	0.0930
page-blocks	0.9689	0.0124	0.9689	0.8295	0.2305

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8939	0.1061	0.8939	0.7357	0.4951
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.8829	0.1171	0.8829	0.3203	0.6363
pcmac	0.4948	0.5052	0.4948	-0.0880	1.0000
pd	0.9474	0.0526	0.9474	0.8491	0.1655
pediatric-leukemia	0.8824	0.0336	0.8824	0.8556	0.0993
pendigits	0.9945	0.0011	0.9945	0.9939	0.0106
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.7577	0.2423	0.7577	0.4503	0.7608
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7773	0.4632
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7059	0.4011
Pgp_desc	0.7500	0.2500	0.7500	0.5098	0.6824
phishing	0.9673	0.0327	0.9673	0.9315	0.1998
phoneme	0.9241	0.0759	0.9241	0.8141	0.4031
phy	0.6960	0.3040	0.6960	0.3923	0.8209
pima	0.7105	0.2895	0.7105	0.3647	0.8000
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7954	0.0409	0.7954	0.6533	0.5367
polish-1st	0.9758	0.0242	0.9758	0.6892	0.4799
polish-2nd	0.9567	0.0433	0.9567	0.4409	0.5848
polish-3rd	0.9448	0.0552	0.9448	0.4438	0.6004
polish-4th	0.9673	0.0327	0.9673	0.6809	0.4797
polish-5th	0.9628	0.0372	0.9628	0.6981	0.4349
polya	0.6865	0.3135	0.6865	0.2952	0.8543
popularity	0.6658	0.2228	0.6658	0.2901	0.6793
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9945	0.0022	0.9945	0.9931	0.0165
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8981
primary-tumor	0.3333	0.0606	0.3333	0.2696	0.2296
profb	0.6716	0.3284	0.6716	0.2378	0.8762
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9954	0.0019	0.9954	0.9938	0.0152
pufs-6410%	0.4991	0.5009	0.4991	-0.0016	0.9794
raisin	0.8556	0.1444	0.8556	0.7111	0.5469
re0-wc	0.7600	0.0369	0.7600	0.6883	0.2248
re1-wc	0.8434	0.0125	0.8434	0.8221	0.1308
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7126	0.2874	0.7126	0.4024	0.8112
RT_IOT2022	0.9950	0.0008	0.9950	0.9876	0.0193
satimage	0.9067	0.0311	0.9067	0.8850	0.1574
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.9409	0.0591	0.9409	0.6173	0.4130
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.6176	0.3824	0.6176	0.2353	0.8824
secom	0.8462	0.1538	0.8462	0.1252	0.5967
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9567	0.0124	0.9567	0.9494	0.0563
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8411	0.1589	0.8411	0.1799	0.5861
semeion	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram	0.8105	0.1895	0.8105	0.2358	0.7401
sens-2-gram	0.8263	0.1737	0.8263	0.3102	0.7210
sens-3-gram	0.8184	0.1816	0.8184	0.2733	0.7310
sens-4-gram	0.7921	0.2079	0.7921	0.1680	0.7510
sensorless	0.9976	0.0004	0.9976	0.9974	0.0054
sepsis	0.4228	0.5772	0.4228	0.0541	0.3688
shoppers	0.8840	0.1160	0.8840	0.5654	0.6199
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9993	0.0007	0.9993	0.9980	0.0142
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7482	0.0839	0.7482	0.6823	0.2477
sonar	0.5000	0.5000	0.5000	0.0000	1.0000
soybean	0.9118	0.0093	0.9118	0.9029	0.0454
spambase	0.9478	0.0522	0.9478	0.8894	0.2511
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.4528	0.0228	0.4528	0.4276	0.1247
splice-EI	0.9685	0.0315	0.9685	0.9171	0.2344
splice-IE	0.9369	0.0631	0.9369	0.8285	0.3853
sport-articles	0.8600	0.1400	0.8600	0.6963	0.5487
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8667	0.1333	0.8667	0.6315	0.6006
steel-d	0.9846	0.0154	0.9846	0.7613	0.4382
steel_industry	0.9055	0.0630	0.9055	0.8463	0.2257
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8051	0.1949	0.8051	0.5739	0.6758
steel-p	0.9436	0.0564	0.9436	0.6146	0.5232
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	1.0000	0.0000	1.0000	1.0000	0.0000
studentap	0.3846	0.4103	0.3846	0.0545	0.6627
student-weekend	0.3077	0.2769	0.3077	0.1128	0.7234
student-workday	0.6094	0.1562	0.6094	0.1276	0.8012
susy10%	0.7858	0.2142	0.7858	0.5678	0.6917
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9873	0.0023	0.9873	0.9860	0.0195
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.6596	0.3404	0.6596	0.0079	0.7370
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9065	0.0935	0.9065	0.7337	0.4316
titanic	0.7364	0.2636	0.7364	0.4184	0.7820
tourist	0.6250	0.1250	0.6250	0.4894	0.1881
tox_171	0.6471	0.1765	0.6471	0.5321	0.2107
toxicity	0.5294	0.4706	0.5294	-0.0303	0.9755
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5200	0.4800	0.5200	-0.1057	0.8750
trec11-wc	0.8780	0.0271	0.8780	0.8526	0.1290
trec12-wc	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8639	0.0552
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9577	0.0000
trec41-wc	0.9432	0.0114	0.9432	0.9311	0.0628
trec45-wc	0.9710	0.0058	0.9710	0.9663	0.0306
tuandromd	0.9798	0.0202	0.9798	0.9376	0.1851
turkish	0.7750	0.1125	0.7750	0.7000	0.2747
tvnews	0.9575	0.0425	0.9575	0.9074	0.2250
urban	0.8806	0.0265	0.8806	0.8603	0.1211
vehicle	0.7857	0.1071	0.7857	0.7096	0.2016
vehicleVAN	0.9881	0.0119	0.9881	0.9677	0.0550
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8372	0.1628	0.8372	0.6746	0.5867
vowel	0.6364	0.0661	0.6364	0.6000	0.1971
vowelZ	0.9293	0.0707	0.9293	0.5497	0.5632
vrnormat310k-hg16-17	0.6511	0.3489	0.6511	0.1942	0.4440
wap-wc	0.7885	0.0212	0.7885	0.7649	0.1484
warpar10p	0.7692	0.0462	0.7692	0.7383	0.0795
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9991	0.0003	0.9991	0.9990	0.0027
watch-gyr10%	0.9992	0.0002	0.9992	0.9990	0.0027
waveform	0.8140	0.1240	0.8140	0.7210	0.4092
web-phishing	0.8815	0.0790	0.8815	0.7940	0.3657
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0017
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6038	0.1321	0.6038	0.4198	0.6582
winequality-white	0.6401	0.1028	0.6401	0.4854	0.6407
winnipeg	0.9828	0.0049	0.9828	0.9783	0.1039
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.5270	0.0946	0.5270	0.4060	0.4486
yeastCYT-POX	0.8776	0.1224	0.8776	0.3581	0.4422
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9527	0.0095	0.9527	0.9470	0.0794
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 152: Detailed results for TLUSBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1463	0.0589	0.1463	0.0674	0.5484
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9806	0.0194	0.9806	0.1974	0.4852
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.7879	0.2121	0.7879	0.4296	0.7444
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.9048	0.0952	0.9048	0.1095	0.5932
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7810	0.2190	0.7810	0.0938	0.8044
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7297	0.2703	0.7297	0.4013	0.7218
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	-0.0526	0.9519
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8586	0.0943	0.8586	-0.0267	0.5504
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9940	0.0060	0.9940	0.1800	0.3374
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9734	0.0324
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9903	0.0024	0.9903	0.9840	0.0465
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0233
aps-failure	0.9888	0.0112	0.9888	0.5637	0.1548
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.7333	0.0410	0.7333	0.5683	0.2905
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8888	0.0185	0.8888	0.8525	0.0929
balance	0.7903	0.1398	0.7903	0.6402	0.3946
bank	0.8985	0.1015	0.8985	0.3297	0.5664
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8410	0.1590	0.8410	0.6361	0.5437
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9963	0.0037	0.9963	0.7459	0.1232
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9852	0.0010	0.9852	0.2309	0.2960
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.2857	0.7711
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9104	0.0896	0.9104	0.0346	0.2455
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9750	0.0198
card	0.8841	0.1159	0.8841	0.7598	0.4723
cardiotocography	0.8639	0.0272	0.8639	0.8359	0.1521
cardiotocography-nsp	0.9296	0.0469	0.9296	0.7984	0.2540
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7760	0.2195
cas_N6512_cdk_ECFP2	0.5883	0.4117	0.5883	0.1209	0.7000
cdc_diabetes	0.8349	0.1101	0.8349	0.2514	0.3950
census10%	0.9515	0.0481	0.9354	0.4768	0.4562
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9535	0.0465	0.9535	0.4756	0.5775
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	0.9754	0.8850	0.0688
ci100410h_MACCS	0.7500	0.2500	0.7500	0.2686	0.8079
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.5985	0.6406
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6463	0.6129
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.6737	0.3263	0.6737	0.3523	0.8085
cirrhosis	0.6905	0.2063	0.6905	0.3810	0.5232
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8269	0.0866	0.8269	0.7317	0.3720
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9200	0.0800	0.9200	0.4595	0.5360
cmc	0.5306	0.3129	0.5306	0.2608	0.7177
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0511
codon_usage	0.8864	0.0207	0.8864	0.8620	0.1457
coil20	0.9653	0.0035	0.9653	0.9634	0.0242
collins	0.9600	0.0053	0.9600	0.9561	0.0265
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.0333	0.8275
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9987	0.0009	0.9987	0.9693	0.0285
cottonmeloidogyne	0.6250	0.3750	0.6250	0.2543	0.7169
coupon	0.7177	0.2823	0.7177	0.4219	0.8014
covtype	0.9642	0.0110	0.9417	0.9600	0.1069
covtypeCD	0.9766	0.0234	0.9766	0.8999	0.2298
covtypeT	0.9779	0.0221	0.9779	0.8275	0.3205
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.9198	0.0267	0.9198	0.8291	0.2096
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0965
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7407	0.2593	0.7407	0.4514	0.7389
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8717	0.1283	0.8717	0.3931	0.6824
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3143	0.4486
dexter	0.8832	0.1332	0.8897	0.7186	0.5030
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.4564	0.7325
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4791	0.3428	0.4996	0.0415	0.6707
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.7083	0.2917	0.7083	0.3731	0.7878
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5480	0.4560	0.5584	0.1113	0.9509
dropout	0.7020	0.1986	0.7020	0.4950	0.5284
drug-01	0.3723	0.1793	0.3723	0.0263	0.6129
drug-02	0.4574	0.1550	0.4574	0.1663	0.6612
drug-03	0.6596	0.0973	0.6596	0.0268	0.4243
drug-04	0.4255	0.1641	0.4255	0.1080	0.7546
drug-05	0.6862	0.0897	0.6862	-0.0361	0.5030
drug-06	0.3298	0.1915	0.3298	0.1894	0.6625
drug-07	0.3511	0.1854	0.3511	-0.0828	0.5447
drug-08	0.4681	0.1520	0.4681	0.1547	0.6343
drug-09	0.8404	0.0456	0.8404	-0.0025	0.4446
drug-10	0.4840	0.1474	0.4840	0.1443	0.5713
drug-11	0.8245	0.0502	0.8245	0.0871	0.6237
drug-12	0.7660	0.0669	0.7660	-0.0327	0.3679
drug-13	0.5904	0.1170	0.5904	0.2197	0.5510
drug-14	0.5319	0.1337	0.5319	0.2231	0.6192
drug-15	0.7128	0.0821	0.7128	0.0018	0.5273
drug-16	0.5106	0.1398	0.5106	0.2315	0.5679
drug-17	0.3351	0.1900	0.3351	0.1157	0.6585
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6809	0.0912	0.6809	0.0788	0.5319
drybean	0.8927	0.0307	0.8927	0.8705	0.1488
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.3130	0.0859	0.3130	0.2395	0.5630
eeg-eye	0.5374	0.4626	0.5374	0.1429	0.6207
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.8205	0.1795	0.8205	0.6160	0.6337
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6169	0.5922
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6059	0.6342
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6575	0.1370	0.6575	0.5578	0.3688
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9890	0.0220	1.0000	0.9789	0.1399
fbis-wc	0.8089	0.0225	0.8089	0.7821	0.1245
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5556	0.2503
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4878	0.0069	0.4790	0.4526	0.2854
forest	0.9231	0.0385	0.9231	0.8934	0.0853
gas	0.9928	0.0024	0.9928	0.9913	0.0180
gastrointestinal	0.8125	0.1250	0.8125	0.6981	0.2631
gender	0.5895	0.2737	0.5895	0.0257	0.4611
gene	0.9243	0.0505	0.9243	0.8790	0.2153
german	0.6100	0.3900	0.6100	0.1595	0.9166
gina	0.8040	0.1960	0.8040	0.6060	0.5927
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8333	0.1667	0.8333	0.6571	0.6041
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4343
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9533	0.0078	0.9533	0.9449	0.0600
har70	0.9507	0.0232	0.9283	0.8928	0.1174
harth10%	0.8527	0.0245	0.8527	0.7988	0.1891
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.7333	0.2667	0.7333	0.4595	0.7662
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8136	0.1999	0.8170	0.5945	0.5968
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5612	0.4421	0.5476	0.0534	0.5803
higher	0.3571	0.1607	0.3571	0.2222	0.2471
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8988	0.1012	0.8988	0.5867	0.4905
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6667	0.2222	0.6667	0.3864	0.5147
htru2	0.9771	0.0229	0.9771	0.8565	0.2495
ht-sensor	1.0000	0.0001	0.9761	1.0000	0.0016
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0898
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6271	0.3729	0.6271	0.0910	0.9108
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9063	0.0072	0.9063	0.9025	0.0810
jm1	0.8044	0.1956	0.8044	0.2382	0.7420
fvowels	0.9819	0.0040	0.9819	0.9795	0.0311
kc1	0.8768	0.1232	0.8768	0.3590	0.4552
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3694	0.1442
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9255	0.0083	0.9255	0.9168	0.0964
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7555	0.0885	0.7238	0.6467	0.3707
la2s-wc	0.7774	0.0808	0.7555	0.6847	0.3266
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6618	0.0479
led24	0.6000	0.0800	0.6000	0.5556	0.1846
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9590	0.0032	0.9590	0.9573	0.0481
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8207	0.0736
linkage10%	0.9999	0.0001	0.9999	0.9904	0.0370
liver	0.6765	0.3235	0.6765	0.3100	0.8329
localization	0.5801	0.0764	0.5801	0.4750	0.5095
lrs	0.8302	0.0340	0.8302	0.7628	0.1194
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6178	0.1332
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6800	0.1038
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0746
madelon	0.4654	0.5346	0.4654	-0.0692	1.0000
magic04	0.7801	0.2199	0.7801	0.5358	0.7042

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5625	0.6957
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7416	0.2955
messidor	0.5913	0.4087	0.5913	0.0862	0.7602
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0542
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1301
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0351
mfeat-mor	0.7200	0.0560	0.7200	0.6889	0.1980
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0315
mfeat-zer	0.7800	0.0440	0.7800	0.7556	0.1607
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.5588	0.1765	0.5588	0.4457	0.4946
mobile	0.8916	0.0039	0.8916	0.8896	0.0491
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8601	0.1101
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9785
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.8368
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7188
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.3161	0.8597
MUT_ci300400a	0.7105	0.2895	0.7105	0.4369	0.7312
MUT_ci300400a_cdk_ECFP2	0.6020	0.4009	0.5958	0.0319	0.5328
myocardial	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid	0.9683	0.0317	0.9683	0.9366	0.1892
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.9161	0.0088	0.9161	0.7628	0.3063
newspop	0.5320	0.4680	0.5320	0.0008	0.5916
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9321	0.0679	0.9321	0.8314	0.3593
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.1188	0.7934
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9951	0.0049	0.9951	0.9864	0.0616
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.8812	0.0238	0.8812	0.8635	0.1060
oh10-wc	0.7619	0.0476	0.7619	0.7268	0.2119
oh15-wc	0.8370	0.0326	0.8370	0.8145	0.1516
oh5-wc	0.7912	0.0418	0.7912	0.7632	0.1767
opn310k	0.9521	0.0771	0.9205	0.4357	0.5424
opnat310k-hg16-17	0.8937	0.0884	0.9155	0.0382	0.2498
optdigits	0.9680	0.0064	0.9680	0.9644	0.0453
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6250	0.0187	0.6250	0.6154	0.0722
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9994	0.0032	1.0000	0.0000	0.0147
page-blocks	0.9781	0.0088	0.9781	0.8743	0.1672

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8743	0.1257	0.8743	0.6853	0.5482
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5361	0.4639	0.5361	0.0044	0.9799
pd	0.9211	0.0789	0.9211	0.7895	0.4273
pediatric-leukemia	0.7941	0.0588	0.7941	0.7479	0.1780
pendigits	0.9936	0.0013	0.9936	0.9929	0.0123
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9348
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8095	0.1905	0.8095	0.6213	0.6209
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.8222	0.1778	0.8222	0.5247	0.6411
phy	0.6280	0.3720	0.6280	0.2580	0.7948
pima	0.6447	0.3553	0.6447	0.2156	0.8851
plrx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.8008	0.0435	0.8017	0.5935	0.1783
polish-1st	0.9587	0.0413	0.9587	0.0552	0.4343
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9476	0.0524	0.9476	0.0541	0.4921
polish-4th	0.9531	0.0469	0.9531	0.4028	0.5006
polish-5th	0.9577	0.0423	0.9577	0.5575	0.2183
polya	0.6519	0.3481	0.6519	0.0460	0.5852
popularity	0.6308	0.2462	0.6308	0.0024	0.3299
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.9872	0.0051	0.9872	0.9840	0.0321
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.8938
primary-tumor	0.3636	0.0579	0.3636	0.2957	0.2731
profb	0.7463	0.2537	0.7463	0.3224	0.6599
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9821	0.0071	0.9821	0.9760	0.0411
pufs-6410%	0.5033	0.5148	0.5050	0.0011	0.9974
raisin	0.7889	0.2111	0.7889	0.5778	0.6737
re0-wc	0.8400	0.0246	0.8400	0.7926	0.1972
re1-wc	0.8373	0.0130	0.8373	0.8142	0.1390
rejafada	1.0000	0.0000	0.9960	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	0.9887	1.0000	0.0000
rocket	0.5486	0.4514	0.5486	0.1975	0.6141
RT_IOT2022	1.0000	0.0007	1.0000	0.9779	0.0056
satimage	0.8849	0.0384	0.8849	0.8582	0.1736
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9129	0.0871	0.9129	0.5680	0.6004
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.3529	0.6471	0.3529	-0.2941	1.0000
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6088	0.3912	0.6088	0.1334	0.5278
segment	0.9827	0.0049	0.9827	0.9797	0.0256
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8737	0.1263	0.8737	0.0934	0.3668
sens-3-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sens-4-gram	0.8802	0.1367	0.8623	0.1337	0.6633
sensorless	0.9983	0.0003	0.9983	0.9981	0.0039
sepsis	0.9089	0.0911	0.9089	0.0005	0.2525
shoppers	0.8637	0.1363	0.8637	0.5281	0.6500
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9761	0.0239	0.9761	0.7784	0.1990
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0074
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7266	0.0911	0.7266	0.6544	0.2581
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9152	0.0848	0.9152	0.8198	0.3707
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5283	0.0197	0.5283	0.5024	0.1238
splice-EI	0.9621	0.0379	0.9621	0.9021	0.2747
splice-IE	0.9432	0.0568	0.9432	0.8414	0.3428
sport-articles	0.8000	0.2000	0.8000	0.5612	0.6749
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.6974	0.3026	0.6974	0.2555	0.7733
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8604	0.0930	0.8604	0.7716	0.2963
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7282	0.2718	0.7282	0.3458	0.7736
steel-p	0.9282	0.0718	0.9282	0.3829	0.5270
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.6154	0.2564	0.6154	0.3981	0.5877
student-weekend	0.3231	0.2708	0.3231	0.0687	0.7841
student-workday	0.6562	0.1375	0.6562	0.1055	0.4615
susy10%	0.7666	0.2388	0.7714	0.5177	0.7327
swarm_aligned	0.9840	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9929	0.0004	1.0000	1.0000	0.0047
swarm_grouped	0.9939	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6840
Tdp_desc	0.9167	0.0833	0.9167	0.7477	0.4300
texture	0.9836	0.0030	0.9836	0.9820	0.0243
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.0190	0.8083
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8612	0.1392	0.8535	0.6092	0.5837
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.6250	0.1250	0.6250	0.3684	0.1720
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.4118	0.5882	0.4118	-0.3934	1.0000
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.1076	0.9215
trec11-wc	0.9268	0.0163	0.9268	0.9092	0.0360
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8311	0.2231
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9987	0.0063	0.9894	0.9707	0.0482
trec41-wc	0.9545	0.0091	0.9545	0.9443	0.0406
trec45-wc	0.9420	0.0116	0.9420	0.9324	0.0384
tuandromd	0.9821	0.0179	0.9821	0.9448	0.1758
turkish	0.7750	0.1125	0.7750	0.7000	0.2510
tvnews	0.9405	0.0541	0.9329	0.8661	0.2877
urban	0.8507	0.0332	0.8507	0.8250	0.1417
vehicle	0.7619	0.1190	0.7619	0.6853	0.1733
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5758	0.0771	0.5758	0.5333	0.2147
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.8944	0.0926	0.9053	0.0012	0.2403
wap-wc	0.8000	0.0215	0.7764	0.7579	0.1623
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel10p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.9420	0.0166	0.9420	0.9321	0.0404
watch-gyr10%	0.9227	0.0221	0.9227	0.9097	0.0445
waveform	0.7040	0.1973	0.7040	0.5557	0.5310
web-phishing	0.8296	0.1136	0.8296	0.6938	0.4415
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9814	0.0186	0.9814	0.8065	0.3702
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.4843	0.1719	0.4843	0.1919	0.4771
winequality-white	0.4785	0.1490	0.4785	0.2090	0.4683
winnipeg	0.9906	0.0062	0.9587	0.9813	0.0482
yale	0.6875	0.0417	0.6875	0.6624	0.0714
yeast	0.4797	0.1041	0.4797	0.3283	0.4404
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9473	0.0105	0.9473	0.9409	0.0836
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 153: Detailed results for TLUSBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1007	0.0620	0.1007	0.0260	0.4662
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9653	0.0347	0.9653	0.3913	0.5290
ads	0.9726	0.0274	0.9726	0.8830	0.2343
adult	0.7926	0.2074	0.7926	0.4302	0.7421
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7714	0.2286	0.7714	-0.0227	0.8163
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2937	0.8658
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9935	0.0065	0.9935	0.1679	0.4321
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9654	0.0426
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0511
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0195
aps-failure	0.9888	0.0112	0.9888	0.5549	0.1098
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.7333	0.0410	0.7333	0.5599	0.2568
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.7996	0.0387
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8404	0.0266	0.8404	0.7830	0.0689
balance	0.7903	0.1398	0.7903	0.6408	0.3930
bank	0.9009	0.0991	0.9009	0.3308	0.5361
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8479	0.1521	0.8479	0.6525	0.5264
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9962	0.0038	0.9962	0.7400	0.1238
biodeg	0.8476	0.1524	0.8476	0.6830	0.5747
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9863	0.0009	0.9863	0.1237	0.1008
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0984	0.9584
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.8890	0.0892	0.9170	0.0327	0.2320
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.7971	0.2029	0.7971	0.5796	0.6728
cardiotocography	0.8685	0.0263	0.8685	0.8423	0.1632
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8428	0.2347
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6872	0.3501
cas_N6512_cdk_ECFP2	0.6498	0.3502	0.6498	0.3170	0.7983
cdc_diabetes	0.8338	0.1108	0.8338	0.1927	0.4031
census10%	0.9762	0.0481	0.9387	0.4623	0.4596
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	0.9953	0.9093	0.0690
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7537	0.4063
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3600	0.8260
cirrhosis	0.7381	0.1746	0.7381	0.4726	0.4042
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8167	0.0917	0.8167	0.7147	0.3992
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.4966	0.3356	0.4966	0.1989	0.6959
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0671
codon_usage	0.8465	0.0279	0.8465	0.8131	0.1892
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	0.1256	0.9212
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9981	0.0084	0.9804	0.6489	0.2235
cottonmeloidogyne	0.6346	0.3654	0.6346	0.2653	0.7527
coupon	0.7121	0.2879	0.7121	0.3988	0.7967
covtype	0.9428	0.0109	0.9616	0.9270	0.1090
covtypeCD	0.9811	0.0189	0.9811	0.9185	0.1809
covtypeT	0.9766	0.0234	0.9766	0.8183	0.3375
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.8876	0.0375	0.8876	0.7530	0.1932
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5000	0.0250	0.5000	0.4854	0.0746
cyclopentane	0.7037	0.2963	0.7037	0.4098	0.8027
cylinder-bands	0.7407	0.2593	0.7407	0.4514	0.7389
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8263	0.1737	0.8263	0.3874	0.6285
deposit	0.8861	0.1139	0.8861	0.3813	0.6554
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.8705	0.1376	0.8606	0.7414	0.4917
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5695	0.6336
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4802	0.3511	0.4902	0.0398	0.6598
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5488	0.4440	0.5457	0.1148	0.9424
dropout	0.7336	0.1776	0.7336	0.5433	0.4934
drug-01	0.4202	0.1657	0.4202	0.0857	0.4739
drug-02	0.5053	0.1413	0.5053	0.0828	0.5307
drug-03	0.6702	0.0942	0.6702	0.0448	0.3537
drug-04	0.5000	0.1429	0.5000	0.1040	0.7181
drug-05	0.7074	0.0836	0.7074	-0.0337	0.3652
drug-06	0.4202	0.1657	0.4202	0.2639	0.5353
drug-07	0.4149	0.1672	0.4149	0.0287	0.4852
drug-08	0.5266	0.1353	0.5266	0.0709	0.5468
drug-09	0.8457	0.0441	0.8457	-0.0279	0.2419
drug-10	0.5426	0.1307	0.5426	0.1599	0.4848
drug-11	0.8298	0.0486	0.8298	0.0269	0.4324
drug-12	0.7713	0.0654	0.7713	-0.0267	0.3513
drug-13	0.5479	0.1292	0.5479	0.1916	0.6307
drug-14	0.5745	0.1216	0.5745	0.2669	0.4787
drug-15	0.7500	0.0714	0.7500	0.0730	0.4401
drug-16	0.5638	0.1246	0.5638	0.3221	0.5309
drug-17	0.3245	0.1930	0.3245	0.0852	0.7032
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7287	0.0775	0.7287	0.0486	0.4777
drybean	0.9148	0.0244	0.9148	0.8965	0.1214
ecoli	0.7941	0.0515	0.7941	0.7122	0.1297
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2250	0.0969	0.2250	0.1684	0.6620
eeg-eye	0.6142	0.3858	0.6142	0.1575	0.6209
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4715	0.7592
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5402	0.6695
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6285	0.6082
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.5734	0.4552
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.5928	0.6274
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6712	0.1315	0.6712	0.5766	0.3443
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9591	0.0223	0.9746	0.9478	0.1423
fbis-wc	0.8618	0.0163	0.8618	0.8427	0.0919
fda.atompair_fp	0.6364	0.3636	0.6364	0.0833	0.9033
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6795	0.1625
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4771	0.0068	0.4807	0.4434	0.2828
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9957	0.0014	0.9957	0.9948	0.0105
gastrointestinal	0.8125	0.1250	0.8125	0.7037	0.2553
gender	0.5895	0.2737	0.5895	0.0282	0.4644
gene	0.9401	0.0400	0.9401	0.9038	0.1693
german	0.7300	0.2700	0.7300	0.3779	0.7951
gina	0.8069	0.1931	0.8069	0.6120	0.6018
glass	0.8571	0.0476	0.8571	0.8056	0.1666
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6667	0.1667	0.6667	0.5455	0.4006
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.9634	0.0061	0.9634	0.9567	0.0372
har70	0.9409	0.0233	0.9197	0.9025	0.1161
harth10%	0.8529	0.0217	0.8777	0.8235	0.1553
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.9333	0.0667	0.9333	0.8661	0.3279
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8107	0.1926	0.8161	0.6031	0.6051
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higgs10%	0.5589	0.4479	0.5486	0.0545	0.5870
higher	0.2857	0.1786	0.2857	0.1463	0.3659
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8870	0.1130	0.8870	0.5142	0.4973
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6389	0.2407	0.6389	0.3399	0.5684
htru2	0.9788	0.0212	0.9788	0.8666	0.2273
ht-sensor	1.0000	0.0001	1.0000	1.0000	0.0016
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.6949	0.3051	0.6949	0.1352	0.8563
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9114	0.0068	0.9114	0.9079	0.0766
jm1	0.8053	0.1947	0.8053	0.2401	0.7392
fvowels	0.9649	0.0078	0.9649	0.9602	0.0534
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.1250
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9209	0.0088	0.9209	0.9116	0.1127
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7434	0.0867	0.7491	0.6793	0.3727
la2s-wc	0.7643	0.0812	0.7458	0.6994	0.3249
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6298	0.0589
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9185	0.0063	0.9185	0.9152	0.0874
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8215	0.0678
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6765	0.3235	0.6765	0.3392	0.7960
localization	0.4922	0.0923	0.4922	0.3587	0.5281
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.4654	0.5346	0.4654	-0.0692	1.0000
magic04	0.7838	0.2162	0.7838	0.5367	0.7072

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6072	0.6258
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7578	0.3131
messidor	0.6087	0.3913	0.6087	0.1251	0.7129
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9850	0.0030	0.9850	0.9833	0.0189
mfeat-fou	0.8150	0.0370	0.8150	0.7944	0.1530
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0699
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2129
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0248
mfeat-zer	0.8000	0.0400	0.8000	0.7778	0.1326
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4087	0.4731
mobile	0.9161	0.0030	0.9161	0.9146	0.0399
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8601	0.1101
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9709
mutagen_class_2	0.5588	0.4412	0.5588	0.1176	0.8557
mutagen_class_3	0.5072	0.4928	0.5072	0.0076	0.9561
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7157
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4280	0.7642
MUT_ci300400a	0.7030	0.2970	0.7030	0.4235	0.7364
MUT_ci300400a_cdk_ECFP2	0.6106	0.4159	0.6066	0.0313	0.5465
myocardial	0.8882	0.0279	0.8882	0.4447	0.0915
naticusdroid	0.9690	0.0310	0.9690	0.9379	0.1856
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9134	0.0091	0.9134	0.7512	0.4219
newspop	0.5333	0.4667	0.5333	0.0026	0.5414
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9425	0.0575	0.9425	0.8581	0.3235
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0719	0.8029
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0673
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9505	0.0099	0.9505	0.9434	0.0525
oh10-wc	0.8000	0.0400	0.8000	0.7715	0.1832
oh15-wc	0.8696	0.0261	0.8696	0.8512	0.1193
oh5-wc	0.8791	0.0242	0.8791	0.8636	0.1144
opn310k	0.9191	0.0764	0.9092	0.4540	0.5639
opnat310k-hg16-17	0.9145	0.0899	0.9174	0.0394	0.2507
optdigits	0.9733	0.0053	0.9733	0.9703	0.0359
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9000	0.0050	0.9000	0.8974	0.0183
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	1.0000	0.0033	1.0000	0.0000	0.0153
page-blocks	0.9854	0.0059	0.9854	0.9162	0.1081

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8786	0.1214	0.8786	0.6904	0.5275
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.5103	0.4897	0.5103	-0.0414	0.9975
pd	0.9211	0.0789	0.9211	0.7966	0.4359
pediatric-leukemia	0.8824	0.0336	0.8824	0.8565	0.1089
pendigits	0.9918	0.0016	0.9918	0.9909	0.0149
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5365	0.6531
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6529	0.5864
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.8000	0.2000	0.8000	0.5652	0.6314
phishing	0.9878	0.0122	0.9878	0.9743	0.0880
phoneme	0.8259	0.1741	0.8259	0.5180	0.5959
phy	0.6394	0.3606	0.6394	0.2808	0.7746
pima	0.7500	0.2500	0.7500	0.4547	0.7404
plrx	0.7778	0.2222	0.7778	0.3684	0.7203
poker	0.7669	0.0431	0.7688	0.5781	0.1799
polish-1st	0.9744	0.0256	0.9744	0.5155	0.2168
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9476	0.0524	0.9476	0.0541	0.4921
polish-4th	0.9541	0.0459	0.9541	0.4089	0.4844
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6659	0.3341	0.6659	0.0945	0.5765
popularity	0.6315	0.2456	0.6315	0.0049	0.3344
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9613	0.0155	0.9613	0.9517	0.0835
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8502
primary-tumor	0.2424	0.0689	0.2424	0.1650	0.2719
profb	0.7463	0.2537	0.7463	0.4040	0.7813
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9652	0.0139	0.9652	0.9532	0.0636
pufs-6410%	0.4883	0.5149	0.5136	0.0010	0.9933
raisin	0.8667	0.1333	0.8667	0.7333	0.4919
re0-wc	0.8267	0.0267	0.8267	0.7715	0.2270
re1-wc	0.8434	0.0125	0.8434	0.8205	0.1171
rejafada	1.0000	0.0000	0.9950	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9956	0.0000	1.0000	0.9999	0.0000
rocket	0.5515	0.4485	0.5515	0.2011	0.6225
RT_IOT2022	1.0000	0.0007	0.9932	0.9766	0.0058
satimage	0.8834	0.0389	0.8834	0.8563	0.1747
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8942	0.1058	0.8942	0.5329	0.6121
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6064	0.3936	0.6064	0.1270	0.5100
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.0628	0.6074
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-4-gram	0.8694	0.1361	0.8536	0.1354	0.6533
sensorless	0.9997	0.0001	0.9997	0.9996	0.0008
sepsis	0.9084	0.0916	0.9084	0.0009	0.2841
shoppers	0.8719	0.1281	0.8719	0.5383	0.6430
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9998	0.0002	0.9998	0.9994	0.0048
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.7338	0.0887	0.7338	0.6637	0.2711
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9196	0.0804	0.9196	0.8307	0.3749
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6038	0.0165	0.6038	0.5817	0.0962
splice-EI	0.9685	0.0315	0.9685	0.9178	0.2408
splice-IE	0.9401	0.0599	0.9401	0.8348	0.3664
sport-articles	0.7900	0.2100	0.7900	0.5470	0.6985
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8051	0.1949	0.8051	0.3680	0.7419
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8239	0.1174	0.8239	0.7114	0.3117
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7333	0.2667	0.7333	0.3306	0.7043
steel-p	0.9436	0.0564	0.9436	0.5324	0.4232
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3846	0.4103	0.3846	0.0370	0.6038
student-weekend	0.4154	0.2338	0.4154	0.1797	0.6363
student-workday	0.7344	0.1062	0.7344	0.2201	0.3232
susy10%	0.7834	0.2387	0.7556	0.5409	0.7496
swarm_aligned	0.9962	0.0000	0.9870	1.0000	0.0000
swarm_flocking	0.9876	0.0004	1.0000	0.9816	0.0048
swarm_grouped	0.9972	0.0000	0.9868	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4609
Tdp_desc	0.8889	0.1111	0.8889	0.6786	0.5467
texture	0.9836	0.0030	0.9836	0.9820	0.0252
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.8947	0.1053	0.8947	0.7441	0.4906
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8840	0.1376	0.8763	0.6004	0.5826
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.9412	0.0294	0.9412	0.9209	0.0644
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.1383	0.9275
trec11-wc	0.9268	0.0163	0.9268	0.9107	0.0635
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8639	0.0552
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9950	0.0063	0.9672	0.9728	0.0486
trec41-wc	0.9659	0.0068	0.9659	0.9582	0.0365
trec45-wc	0.9855	0.0029	0.9855	0.9831	0.0129
tuandromd	0.9843	0.0157	0.9843	0.9519	0.1658
turkish	0.8000	0.1000	0.8000	0.7333	0.2678
tvnews	0.9243	0.0552	0.9426	0.8870	0.2720
urban	0.8507	0.0332	0.8507	0.8256	0.1331
vehicle	0.7976	0.1012	0.7976	0.7264	0.2137
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6263	0.0680	0.6263	0.5889	0.1925
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9178	0.0936	0.9280	0.0011	0.2361
wap-wc	0.7927	0.0223	0.8082	0.7734	0.1610
warpar10p	0.6923	0.0615	0.6923	0.6510	0.0998
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	1.0000	0.0002	1.0000	1.0000	0.0023
watch-gyr10%	0.9948	0.0015	0.9948	0.9939	0.0113
waveform	0.7280	0.1813	0.7280	0.5925	0.5048
web-phishing	0.8370	0.1086	0.8370	0.7118	0.4352
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8369	0.2405
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6164	0.1279	0.6164	0.3797	0.3876
winequality-white	0.4990	0.1431	0.4990	0.1857	0.4915
winnipeg	1.0000	0.0063	0.9882	0.9831	0.0502
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.4797	0.1041	0.4797	0.3383	0.3674
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9452	0.0110	0.9452	0.9385	0.0880
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 154: Detailed results for sBoost-2(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1703	0.0572	0.1703	0.0797	0.4496
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9816	0.0184	0.9816	0.2065	0.4419
ads	0.9573	0.0427	0.9573	0.7972	0.1300
adult	0.8571	0.1429	0.8571	0.5628	0.5792
AID1284Morered	0.7500	0.2500	0.7500	-0.1408	0.8101
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9813	0.0187	0.9813	0.1909	0.5648
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1618	0.8952
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	1.0000	0.0092	0.9822	0.0000	0.0368
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9933	0.0067	0.9933	0.1641	0.4538
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9509	0.0279
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9527	0.0236	0.9527	0.9074	0.0795
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9471	0.0132	0.9471	0.9109	0.1281
anuran-species	0.9639	0.0072	0.9639	0.9495	0.0462
aps-failure	0.9862	0.0138	0.9862	0.3744	0.0500
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7111	0.0444	0.7111	0.5255	0.2643
auction	0.9706	0.0294	0.9706	0.8533	0.0980
audiology	0.7391	0.0217	0.7391	0.6947	0.0720
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.7968	0.0339	0.7968	0.7198	0.1234
balance	0.8226	0.1183	0.8226	0.6801	0.3520
bank	0.9294	0.0888	0.9003	0.5438	0.5903
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1843	0.8157	0.5541	0.4311
basehock	0.8543	0.1457	0.8543	0.7083	0.4938
bio	0.9964	0.0036	0.9964	0.7471	0.0798
biodeg	0.8381	0.1619	0.8381	0.6679	0.5820
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9885	0.0008	0.9915	0.4286	0.1835
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.2921	0.8190
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.5410	0.4591	0.5328	0.0684	0.9589
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0332	0.2324
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9516	0.1357
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8685	0.0263	0.8685	0.8420	0.1591
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8065	0.3111
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5909	0.4300
cas_N6512_cdk_ECFP2	0.6820	0.3180	0.6820	0.3321	0.6636
cdc_diabetes	0.8453	0.1031	0.8453	0.1798	0.3389
census10%	0.9505	0.0495	0.9505	0.3916	0.4205
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.4819	0.1307
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9535	0.0465	0.9535	0.4756	0.5775
cervical-S	0.9419	0.0581	0.9419	0.5212	0.1556
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9998	0.0002	0.9998	0.8649	0.0698
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7818	0.2182	0.7818	0.5570	0.6674
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5802	0.5823
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2892	0.6874
cirrhosis	0.6905	0.2063	0.6905	0.3824	0.4500
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7657	0.1171	0.7657	0.6452	0.4424
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5714	0.2857	0.5714	0.3179	0.6738
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0882
codon_usage	0.7690	0.0420	0.7690	0.7142	0.2252
coil20	0.9514	0.0049	0.9514	0.9488	0.0271
collins	0.9800	0.0027	0.9800	0.9781	0.0184
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	-0.0675	0.9445
colposcopies-2	0.6552	0.3448	0.6552	0.1471	0.7403
colposcopies-3	0.5517	0.4483	0.5517	-0.0107	0.9381
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	-0.1093	0.8449
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9839	0.0108	0.9839	0.4879	0.2167
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0846	0.6248
coupon	0.7043	0.2957	0.7043	0.3851	0.8128
covtype	0.9491	0.0112	0.9820	0.9518	0.1113
covtypeCD	0.9826	0.0174	0.9826	0.9271	0.2104
covtypeT	0.9803	0.0197	0.9803	0.8416	0.2676
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8470	0.0510	0.8470	0.6442	0.2168
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2500	0.0375	0.2500	0.2297	0.1259
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7593	0.2407	0.7593	0.4753	0.5747
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8250	0.1750	0.8250	0.3795	0.6284
deposit	0.8989	0.1011	0.8989	0.4310	0.6054
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5363	0.3091	0.5363	-0.0023	0.3903
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5538	0.4462	0.5538	0.0791	0.9032
dropout	0.7133	0.1911	0.7133	0.5332	0.5055
drug-01	0.3989	0.1717	0.3989	0.0185	0.3974
drug-02	0.4947	0.1444	0.4947	0.0587	0.5205
drug-03	0.6702	0.0942	0.6702	-0.0290	0.2950
drug-04	0.4628	0.1535	0.4628	0.0797	0.6871
drug-05	0.7128	0.0821	0.7128	-0.0279	0.3503
drug-06	0.3989	0.1717	0.3989	0.2276	0.5292
drug-07	0.4043	0.1702	0.4043	-0.0341	0.3635
drug-08	0.5532	0.1277	0.5532	0.0785	0.4423
drug-09	0.8457	0.0441	0.8457	-0.0267	0.3373
drug-10	0.5213	0.1368	0.5213	0.0404	0.4722
drug-11	0.8298	0.0486	0.8298	0.0930	0.4557
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5957	0.1155	0.5957	0.1812	0.3629
drug-14	0.5638	0.1246	0.5638	0.1439	0.5044
drug-15	0.7447	0.0729	0.7447	0.0865	0.2985
drug-16	0.5532	0.1277	0.5532	0.2301	0.4943
drug-17	0.3723	0.1793	0.3723	0.1148	0.4602
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7553	0.0699	0.7553	-0.0058	0.3075
drybean	0.9251	0.0214	0.9251	0.9094	0.1265
ecoli	0.8824	0.0294	0.8824	0.8348	0.0670
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3032	0.0871	0.3032	0.2099	0.4647
eeg-eye	0.5654	0.4346	0.5654	0.0362	0.5288
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2571	0.6710
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.3754	0.5647
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6617	0.5886
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.6712	0.1315	0.6712	0.5683	0.3043
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	1.0000	0.0218	1.0000	0.9846	0.1392
fbis-wc	0.7439	0.0301	0.7439	0.7061	0.1937
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7500	0.0625	0.7500	0.6753	0.1527
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4882	0.0067	0.4791	0.4504	0.2794
forest	0.8846	0.0577	0.8846	0.8405	0.1609
gas	0.9806	0.0065	0.9806	0.9764	0.0442
gastrointestinal	0.8750	0.0833	0.8750	0.8000	0.2418
gender	0.5853	0.2765	0.5853	0.0029	0.4280
gene	0.9338	0.0442	0.9338	0.8937	0.1963
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.8613	0.1244	0.8866	0.7585	0.5026
glass	0.8095	0.0635	0.8095	0.7342	0.1559
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.7500	0.2500	0.7500	0.4667	0.7630
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4487
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.9094	0.0151	0.9094	0.8930	0.1026
har70	0.9097	0.0225	0.9303	0.8752	0.1222
harth10%	0.8947	0.0216	0.8898	0.8371	0.1571
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7647	0.2353	0.7647	0.5342	0.6845
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8152	0.1942	0.8178	0.6071	0.5863
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5579	0.4434	0.5478	0.0517	0.5766
higher	0.2143	0.1964	0.2143	0.0494	0.3633
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8870	0.1130	0.8870	0.5679	0.5792
hiva	0.9527	0.0473	0.9527	0.2070	0.6124
horse	0.6667	0.2222	0.6667	0.3820	0.5244
htru2	0.9793	0.0207	0.9793	0.8682	0.1975
ht-sensor	0.7189	0.1874	0.7189	0.5843	0.1836
hypothyroid	0.9735	0.0133	0.9735	0.8229	0.1094
hypothyroidT	0.9735	0.0265	0.9735	0.7782	0.0870
ilpd	0.7288	0.2712	0.7288	0.1243	0.6306
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8537	0.0113	0.8537	0.8478	0.1224
jm1	0.8062	0.1938	0.8062	0.0391	0.4962
fvowels	0.9187	0.0181	0.9187	0.9078	0.1202
kc1	0.8626	0.1374	0.8626	0.3196	0.5977
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2020	0.8009
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8592	0.0156	0.8592	0.8427	0.1712
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7560	0.0902	0.7609	0.6694	0.3797
la2s-wc	0.7556	0.0817	0.7548	0.7122	0.3202
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5989	0.0713
led24	0.7500	0.0500	0.7500	0.7183	0.1008
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9195	0.0062	0.9195	0.9163	0.0915
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8213	0.0634
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0000
liver	0.6634	0.3544	0.6416	0.2579	0.8602
localization	0.5911	0.0743	0.5911	0.4462	0.3579
lrs	0.8113	0.0377	0.8113	0.7401	0.1206
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9548	0.0200	0.9698	0.8828	0.0437
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0368
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0746
madelon	0.5000	0.5000	0.5000	0.0000	0.7204
magic04	0.7827	0.2173	0.7827	0.4548	0.5219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6021	0.6610
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7129	0.1914	0.7129	0.5607	0.4915
messidor	0.5739	0.4261	0.5739	0.2179	0.6041
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0690
mfeat-fou	0.7800	0.0440	0.7800	0.7556	0.1811
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0621
mfeat-mor	0.7200	0.0560	0.7200	0.6889	0.1830
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0704
mfeat-zer	0.7600	0.0480	0.7600	0.7333	0.1961
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4463	0.4662
mobile	0.8462	0.0055	0.8462	0.8434	0.0720
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3711	0.8369
MUT_ci300400a	0.7093	0.2907	0.7093	0.3552	0.6024
MUT_ci300400a_cdk_ECFP2	0.7362	0.2638	0.7362	0.4109	0.5792
myocardial	0.8765	0.0309	0.8765	0.3707	0.1653
naticusdroid	0.9991	0.0259	1.0000	0.9567	0.1571
nci9	0.1667	0.1852	0.1667	0.0323	0.1934
ncRNA10%	0.9317	0.0094	0.9009	0.7149	0.2113
newspop	0.6151	0.4003	0.5970	0.1906	0.9573
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9454	0.0546	0.9454	0.8656	0.3140
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0062	0.6793
nursery	0.9985	0.0006	0.9985	0.9977	0.0132
obs	0.9352	0.0324	0.9352	0.9055	0.0976
occupancy	0.9947	0.0053	0.9947	0.9850	0.0673
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0431
oh0-wc	0.9150	0.0204	0.8828	0.8936	0.0851
oh10-wc	0.7662	0.0512	0.7567	0.7119	0.2069
oh15-wc	0.8455	0.0318	0.8641	0.8134	0.1563
oh5-wc	0.7696	0.0495	0.7637	0.7274	0.2023
opn310k	0.9109	0.0891	0.9109	0.0405	0.2317
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9342	0.0132	0.9342	0.9268	0.0915
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6250	0.0187	0.6250	0.6154	0.0674
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	0.9774	0.9846	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9744	0.0102	0.9744	0.8506	0.1767

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8756	0.1244	0.8756	0.6958	0.5492
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8289	0.1711	0.8289	0.4800	0.6233
pediatric-leukemia	0.8412	0.0411	0.8408	0.8163	0.1345
pendigits	0.9718	0.0056	0.9718	0.9686	0.0449
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5916	0.6200
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9190
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6536	0.5727
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9592	0.0408	0.9592	0.9144	0.2360
phoneme	0.8704	0.1296	0.8704	0.7020	0.5422
phy	0.6323	0.3552	0.6509	0.3001	0.8683
pima	0.6842	0.3158	0.6842	0.2897	0.8130
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.8059	0.0438	0.7803	0.5954	0.1805
polish-1st	0.9602	0.0398	0.9602	0.0594	0.3687
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	0.0325	0.3073
polish-4th	0.9510	0.0490	0.9510	0.2760	0.4310
polish-5th	0.9509	0.0491	0.9509	0.4706	0.2987
polya	0.6681	0.3319	0.6681	0.1033	0.5856
popularity	0.5908	0.2578	0.5942	0.1139	0.5564
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9954	0.0043	1.0000	0.9925	0.0307
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.7633
primary-tumor	0.3939	0.0551	0.3939	0.3279	0.2359
profb	0.6716	0.3284	0.6716	0.1110	0.8256
promoters	0.9025	0.1002	0.9241	0.7812	0.3628
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	1.0000	0.0031	0.9894	0.9834	0.0255
pufs-6410%	0.4987	0.5013	0.4987	-0.0027	1.0000
raisin	0.8444	0.1556	0.8444	0.6889	0.5288
re0-wc	0.7533	0.0379	0.7533	0.6650	0.2762
re1-wc	0.7892	0.0169	0.7892	0.7584	0.1702
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6096	0.3904	0.6096	0.0624	0.6548
RT_IOT2022	0.9983	0.0003	0.9983	0.9957	0.0033
satimage	0.8647	0.0451	0.8647	0.8329	0.2012
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9362	0.0638	0.9362	0.5471	0.3455
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.7273	0.4644
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.9998	0.0002	0.9998	0.9997	0.0019
segment	0.9654	0.0099	0.9654	0.9595	0.0411
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	0.0819	0.4920
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-3-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-4-gram	0.8859	0.1396	0.8455	0.1292	0.6497
sensorless	1.0000	0.0015	1.0000	1.0000	0.0155
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8783	0.1217	0.8783	0.3954	0.5315
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9655	0.0345	0.9655	0.6329	0.1049
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9986	0.0086
smk_can_187	0.7856	0.2176	0.7754	0.5938	0.6820
solar-flare	0.7554	0.0815	0.7554	0.6877	0.2378
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9515	0.0237
spambase	0.9087	0.0913	0.9087	0.8065	0.3993
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5472	0.0189	0.5472	0.5214	0.1203
splice-EI	0.9716	0.0284	0.9716	0.9251	0.2138
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.7900	0.2100	0.7900	0.5520	0.6977
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7897	0.2103	0.7897	0.0275	0.4855
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8955	0.0696	0.8955	0.8302	0.2345
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6821	0.3179	0.6821	0.1196	0.5414
steel-p	0.9077	0.0923	0.9077	0.3502	0.6521
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.5385	0.3077	0.5385	0.2778	0.5502
student-weekend	0.4000	0.2400	0.4000	0.1265	0.5853
student-workday	0.6406	0.1437	0.6406	0.0047	0.6156
susy10%	0.7613	0.2387	0.7613	0.5132	0.7184
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9962	0.9749	0.0048
swarm_grouped	0.9835	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6597
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9655	0.0063	0.9655	0.9619	0.0439
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9579	0.0421	0.9579	0.9028	0.1545
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1387
tox_171	0.7059	0.1471	0.7059	0.6083	0.2070
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	0.0497	0.8879
trec11-wc	0.7891	0.0436	0.8291	0.7584	0.1759
trec12-wc	0.8387	0.0403	0.8387	0.8067	0.1133

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8406	0.0607	0.8006	0.5529	0.0997
trec23-wc	0.8571	0.0476	0.8571	0.8037	0.1656
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0472
trec41-wc	0.9205	0.0159	0.9205	0.9023	0.0790
trec45-wc	0.8841	0.0232	0.8841	0.8650	0.0859
tuandromd	0.9865	0.0135	0.9865	0.9586	0.1449
turkish	0.8000	0.1000	0.8000	0.7333	0.2330
tvnews	0.8644	0.1356	0.8644	0.7089	0.5445
urban	0.8507	0.0332	0.8507	0.8245	0.1288
vehicle	0.8214	0.0893	0.8214	0.7522	0.1743
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5253	0.0863	0.5253	0.4778	0.2548
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9092	0.0908	0.9092	0.0019	0.2090
wap-wc	0.7756	0.0224	0.7756	0.7462	0.1457
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8873	0.0322	0.8873	0.8682	0.0719
watch-gyr10%	0.8855	0.0327	0.8855	0.8662	0.0802
waveform	0.6920	0.2053	0.6920	0.5391	0.5081
web-phishing	0.8889	0.0741	0.8889	0.8043	0.3411
weight-lift	0.8418	0.0633	0.8418	0.7959	0.1542
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0385
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.5220	0.1593	0.5220	0.2101	0.4174
winequality-white	0.4622	0.1537	0.4622	0.0693	0.5566
winnipeg	1.0000	0.0062	0.9898	0.9706	0.0475
yale	0.6250	0.0500	0.6250	0.5983	0.0962
yeast	0.4257	0.1149	0.4257	0.2776	0.3185
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9201	0.0153	0.9439	0.9067	0.1192
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 155: Detailed results for sBoost-2(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1223	0.0605	0.1223	0.0461	0.4890
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9828	0.0172	0.9828	0.2199	0.3556
ads	0.9634	0.0366	0.9634	0.8297	0.1164
adult	0.8571	0.1429	0.8571	0.5651	0.5832
AID1284Morered	0.8333	0.1667	0.8333	-0.0485	0.7128
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1618	0.8952
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	-0.0938	0.8482
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	1.0000	0.0093	0.9830	0.0000	0.0365
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9938	0.0062	0.9938	0.1378	0.3423
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8308	0.1692	0.8308	0.5119	0.6792
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9847	0.0076	0.9847	0.9708	0.0462
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9791	0.0052	0.9791	0.9655	0.0367
anuran-species	0.9833	0.0033	0.9833	0.9768	0.0309
aps-failure	0.9870	0.0130	0.9870	0.4361	0.0896
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.6667	0.0513	0.6667	0.4191	0.3165
auction	0.9706	0.0294	0.9706	0.8533	0.0980
audiology	0.7826	0.0181	0.7826	0.7511	0.0391
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.7993	0.1051
avila	0.8409	0.0265	0.8409	0.7859	0.1287
balance	0.7903	0.1398	0.7903	0.6316	0.4369
bank	0.9206	0.0913	0.9270	0.5162	0.5974
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8387	0.1613	0.8387	0.6157	0.4058
basehock	0.8543	0.1457	0.8543	0.7083	0.4938
bio	0.9966	0.0034	0.9966	0.7647	0.0783
biodeg	0.8381	0.1619	0.8381	0.6679	0.5820
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9861	0.0008	1.0000	0.4191	0.1793
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.2921	0.8190
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.5378	0.4650	0.5487	0.0684	0.9597
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9106	0.0894	0.9106	0.0541	0.2959
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9713	0.0144	0.9713	0.9392	0.0834
card	0.8406	0.1594	0.8406	0.6774	0.5801
cardiotocography	0.8357	0.0329	0.8357	0.8030	0.2063
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7845	0.2759
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6815	0.3452
cas_N6512_cdk_ECFP2	0.6805	0.3195	0.6805	0.3288	0.6646
cdc_diabetes	0.8460	0.1027	0.8460	0.1964	0.3837
census10%	0.9502	0.0498	0.9502	0.3941	0.4342
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.4819	0.1307
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5212	0.1556
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	1.0000	0.0002	0.9949	0.9093	0.0708
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.7818	0.2182	0.7818	0.5570	0.6674
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2771	0.7616
cirrhosis	0.7857	0.1429	0.7857	0.5563	0.3219
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7880	0.1060	0.7880	0.6695	0.4436
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5510	0.2993	0.5510	0.3057	0.7020
cnae-9	0.9074	0.0206	0.9074	0.8958	0.0802
codon_usage	0.8741	0.0229	0.8741	0.8465	0.2374
coil20	0.9444	0.0056	0.9444	0.9415	0.0360
collins	0.6800	0.0427	0.6800	0.6451	0.1702
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	-0.0675	0.9445
colposcopies-2	0.6552	0.3448	0.6552	0.1471	0.7403
colposcopies-3	0.5517	0.4483	0.5517	-0.0107	0.9381
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9836	0.0110	0.9836	0.4563	0.1226
cottonmeloidogyne	0.6250	0.3750	0.6250	0.2540	0.7556
coupon	0.7066	0.2934	0.7066	0.3923	0.8124
covtype	0.9682	0.0113	0.9579	0.9481	0.1107
covtypeCD	0.9876	0.0124	0.9876	0.9471	0.1454
covtypeT	0.9823	0.0177	0.9823	0.8603	0.2589
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.9235	0.0255	0.9235	0.8368	0.1510
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1875	0.0406	0.1875	0.1655	0.1343
cyclopentane	0.5556	0.4444	0.5556	0.0357	0.8818
cylinder-bands	0.7593	0.2407	0.7593	0.4753	0.5747
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8233	0.1767	0.8233	0.3772	0.6395
deposit	0.8989	0.1011	0.8989	0.4353	0.6075
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5857	0.4914
diabetes	0.9038	0.0962	0.9038	0.7988	0.4341
diabetic10%	0.5383	0.3078	0.5383	0.0073	0.4156
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2394	0.9011
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5530	0.4470	0.5530	0.0767	0.8989
dropout	0.7269	0.1821	0.7269	0.5260	0.4745
drug-01	0.4043	0.1702	0.4043	0.0463	0.5157
drug-02	0.4947	0.1444	0.4947	0.0323	0.5715
drug-03	0.6755	0.0927	0.6755	0.0083	0.3957
drug-04	0.5160	0.1383	0.5160	0.0800	0.6543
drug-05	0.7287	0.0775	0.7287	0.0210	0.2698
drug-06	0.3989	0.1717	0.3989	0.2405	0.5986
drug-07	0.3936	0.1733	0.3936	-0.0365	0.4693
drug-08	0.5106	0.1398	0.5106	0.0694	0.6271
drug-09	0.8511	0.0426	0.8511	-0.0176	0.3487
drug-10	0.5000	0.1429	0.5000	0.0505	0.7434
drug-11	0.8191	0.0517	0.8191	0.0128	0.4810
drug-12	0.7660	0.0669	0.7660	-0.0277	0.5800
drug-13	0.5798	0.1201	0.5798	0.2206	0.5814
drug-14	0.5851	0.1185	0.5851	0.2155	0.6781
drug-15	0.7287	0.0775	0.7287	0.0609	0.6581
drug-16	0.5691	0.1231	0.5691	0.3030	0.4860
drug-17	0.3511	0.1854	0.3511	0.1375	0.6189
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7553	0.0699	0.7553	0.0249	0.3819
drybean	0.9214	0.0225	0.9214	0.9049	0.1232
ecoli	0.7941	0.0515	0.7941	0.7112	0.1461
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2741	0.0907	0.2741	0.1731	0.5872
eeg-eye	0.7911	0.2089	0.7911	0.5597	0.4677
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.3590	0.5830
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.8061	0.4212
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6849	0.1260	0.6849	0.5897	0.3594
euthyroid	0.9715	0.0285	0.9715	0.8266	0.2470
exon.vs.intron-freq	0.9585	0.0221	0.9755	0.9617	0.1386
fbis-wc	0.6870	0.0368	0.6870	0.6494	0.2944
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3500	0.1625	0.3500	0.1720	0.3076
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4849	0.0066	0.4852	0.4413	0.2771
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9928	0.0024	0.9928	0.9913	0.0192
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5789	0.2807	0.5789	0.0068	0.5285
gene	0.9432	0.0379	0.9432	0.9095	0.1741
german	0.6700	0.3300	0.6700	0.1033	0.6724
gina	0.8747	0.1229	0.8677	0.7488	0.5022
glass	0.8571	0.0476	0.8571	0.8013	0.1361
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.5862	0.6376
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4140
haberman	0.6333	0.3667	0.6333	0.0237	0.9159
hapt	0.9113	0.0148	0.9113	0.8947	0.0921
har70	0.9316	0.0237	0.9353	0.8805	0.1213
harth10%	0.8494	0.0221	0.8737	0.8327	0.1599
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.9000	0.1000	0.9000	0.8000	0.4259
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7968	0.1973	0.8145	0.5978	0.6056
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5522	0.4588	0.5587	0.0517	0.5991
higher	0.4286	0.1429	0.4286	0.3171	0.2664
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8870	0.1130	0.8870	0.5716	0.5822
hiva	0.9645	0.0355	0.9645	0.2709	0.4898
horse	0.6111	0.2593	0.6111	0.3000	0.6537
htru2	0.9799	0.0201	0.9799	0.8722	0.1956
ht-sensor	0.9996	0.0001	0.9798	1.0000	0.0015
hypothyroid	0.9735	0.0133	0.9735	0.8229	0.1094
hypothyroidT	0.9735	0.0265	0.9735	0.7782	0.0870
ilpd	0.7288	0.2712	0.7288	0.1243	0.6306
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7356	0.0203	0.7356	0.7250	0.1685
jm1	0.8090	0.1910	0.8090	0.0709	0.5183
fvowels	0.9458	0.0120	0.9458	0.9386	0.0875
kc1	0.8578	0.1422	0.8578	0.2846	0.6080
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2020	0.8009
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8745	0.0139	0.8745	0.8598	0.1506
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7331	0.0884	0.7215	0.6534	0.3769
la2s-wc	0.7528	0.0788	0.7705	0.6978	0.3283
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5882	0.0206	0.5882	0.5700	0.0814
led24	0.6000	0.0800	0.6000	0.5543	0.1846
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9235	0.0059	0.9235	0.9204	0.0849
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6667	0.0444	0.6667	0.6430	0.1306
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0000
liver	0.6592	0.3601	0.6633	0.2710	0.8487
localization	0.6332	0.0667	0.6332	0.5058	0.3796
lrs	0.7736	0.0453	0.7736	0.6942	0.1900
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9787	0.0206	0.9393	0.9173	0.0453
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8400	0.0648
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5038	0.4962	0.5038	0.0077	0.7713
magic04	0.8112	0.1888	0.8112	0.5362	0.4949

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6225	0.6394
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6522	0.4173
messidor	0.5739	0.4261	0.5739	0.2146	0.6541
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0316
mfeat-fou	0.7400	0.0520	0.7400	0.7111	0.2169
mfeat-kar	0.8750	0.0250	0.8750	0.8611	0.1401
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2094
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0250
mfeat-zer	0.7650	0.0470	0.7650	0.7389	0.1965
mice-prot	0.9630	0.0093	0.9630	0.9576	0.0443
mines	0.5294	0.1882	0.5294	0.4106	0.4840
mobile	0.6573	0.0122	0.6573	0.6511	0.1552
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9364	0.0636	0.9364	0.7072	0.1736
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9723
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.6664
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3711	0.8369
MUT_ci300400a	0.7093	0.2907	0.7093	0.3552	0.6024
MUT_ci300400a_cdk_ECFP2	0.7362	0.2638	0.7362	0.4109	0.5792
myocardial	0.8647	0.0338	0.8647	0.3721	0.3129
naticusdroid	0.9789	0.0254	0.9920	0.9589	0.1625
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.9043	0.0094	0.9160	0.7478	0.2085
newspop	0.6072	0.4067	0.6038	0.1824	0.9402
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9495	0.0505	0.9495	0.8766	0.3039
NPHA-doctor-visits	0.4306	0.3796	0.4306	-0.0250	0.7593
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	0.9352	0.0324	0.9352	0.9055	0.0976
occupancy	0.9951	0.0049	0.9951	0.9864	0.0645
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9233	0.0195	0.8833	0.8957	0.0861
oh10-wc	0.7739	0.0494	0.7507	0.7070	0.2085
oh15-wc	0.8455	0.0318	0.8429	0.7957	0.1547
oh5-wc	0.7596	0.0490	0.7697	0.7358	0.2024
opn310k	0.9105	0.0895	0.9105	0.0753	0.3518
opnat310k-hg16-17	0.9096	0.0904	0.9096	0.0564	0.3475
optdigits	0.9555	0.0089	0.9555	0.9505	0.0640
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7500	0.0125	0.7500	0.7436	0.0429
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	0.9930	0.9845	0.0000
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8600	0.2646

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8864	0.1136	0.8864	0.7174	0.5170
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5464	0.4536	0.5464	-0.0542	0.8652
pd	0.8421	0.1579	0.8421	0.4894	0.4817
pediatric-leukemia	0.8786	0.0421	0.8450	0.8392	0.1355
pendigits	0.9900	0.0020	0.9900	0.9889	0.0192
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5916	0.6200
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6838	0.5614
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.8685	0.1315	0.8685	0.6994	0.5425
phy	0.6488	0.3497	0.6606	0.2890	0.8758
pima	0.6842	0.3158	0.6842	0.2897	0.8130
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.7978	0.0444	0.7611	0.6056	0.1783
polish-1st	0.9602	0.0398	0.9602	0.0594	0.3687
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	0.0325	0.3073
polish-4th	0.9510	0.0490	0.9510	0.2760	0.4310
polish-5th	0.9509	0.0491	0.9509	0.4706	0.2987
polya	0.6692	0.3308	0.6692	0.1055	0.5744
popularity	0.6192	0.2577	0.5902	0.1173	0.5536
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9891	0.0043	0.9713	1.0000	0.0316
pred-tox_mutagen_ref-desc	0.6029	0.3971	0.6029	0.2059	0.7633
primary-tumor	0.3939	0.0551	0.3939	0.3320	0.2570
profb	0.6866	0.3134	0.6866	0.1394	0.7748
promoters	0.9104	0.1022	0.8776	0.7896	0.3629
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9808	0.0033	0.9839	1.0000	0.0251
pufs-6410%	0.4987	0.5013	0.4987	-0.0027	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.7067	0.0451	0.7067	0.5975	0.3582
re1-wc	0.7711	0.0183	0.7711	0.7397	0.1958
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6096	0.3904	0.6096	0.0624	0.6548
RT_IOT2022	0.9982	0.0003	0.9982	0.9955	0.0039
satimage	0.8927	0.0358	0.8927	0.8671	0.1719
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9409	0.0591	0.9409	0.5689	0.2252
scadi	0.7143	0.0816	0.7143	0.6410	0.0842
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.4706	0.5294	0.4706	-0.0588	0.7608
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9610	0.0111	0.9610	0.9544	0.0457
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.0719	0.5611
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sens-3-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-4-gram	0.8835	0.1420	0.8457	0.1331	0.6548
sensorless	0.9865	0.0015	0.9734	1.0000	0.0155
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8792	0.1208	0.8792	0.4044	0.5352
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9682	0.0318	0.9682	0.6692	0.0989
sirtuin6	1.0000	0.0000	0.9804	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9991	0.0072
smk_can_187	0.7733	0.2153	0.8116	0.5836	0.6907
solar-flare	0.7554	0.0815	0.7554	0.6868	0.2394
sonar	0.7500	0.2500	0.7500	0.5000	0.6793
soybean	0.9412	0.0062	0.9412	0.9354	0.0293
spambase	0.9109	0.0891	0.9109	0.8106	0.3857
spect	0.7778	0.2222	0.7778	0.3571	0.7720
spectf	0.9143	0.0857	0.9143	0.7835	0.4068
spectrometer	0.4717	0.0220	0.4717	0.4406	0.1334
splice-EI	0.9748	0.0252	0.9748	0.9331	0.1912
splice-IE	0.9338	0.0662	0.9338	0.8191	0.3954
sport-articles	0.8200	0.1800	0.8200	0.6095	0.6396
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8410	0.1590	0.8410	0.3688	0.4795
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8970	0.0687	0.8970	0.8329	0.2429
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7744	0.2256	0.7744	0.4200	0.4740
steel-p	0.9077	0.0923	0.9077	0.3085	0.6532
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9744	0.0256	0.9744	0.8576	0.3271
studentap	0.5385	0.3077	0.5385	0.2909	0.5610
student-weekend	0.3077	0.2769	0.3077	0.0037	0.7352
student-workday	0.6875	0.1250	0.6875	0.1512	0.4274
susy10%	0.7649	0.2351	0.7649	0.5211	0.7152
swarm_aligned	0.9810	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9881	0.0004	0.9890	1.0000	0.0047
swarm_grouped	0.9752	0.0000	1.0000	0.9780	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5077
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9709	0.0053	0.9709	0.9679	0.0437
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.7472	0.2528	0.7472	-0.0104	0.5153
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8440	0.0951
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	0.0497	0.8879
trec11-wc	0.8085	0.0443	0.8013	0.7470	0.1750
trec12-wc	0.9032	0.0242	0.9032	0.8832	0.0733

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8245	0.0620	0.8038	0.5398	0.1001
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9659	0.0068	0.9659	0.9585	0.0451
trec45-wc	0.9420	0.0116	0.9420	0.9322	0.0403
tuandromd	0.9865	0.0135	0.9865	0.9586	0.1449
turkish	0.8000	0.1000	0.8000	0.7333	0.2460
tvnews	0.9037	0.0963	0.9037	0.7876	0.4104
urban	0.7761	0.0498	0.7761	0.7376	0.1891
vehicle	0.7857	0.1071	0.7857	0.7041	0.2577
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9070	0.0930	0.9070	0.8143	0.3926
vowel	0.5758	0.0771	0.5758	0.5333	0.2552
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9096	0.0904	0.9096	0.0148	0.2266
wap-wc	0.6538	0.0346	0.6538	0.6108	0.2387
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0925
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9333	0.0191	0.9333	0.9220	0.0792
watch-gyr10%	0.9171	0.0237	0.9171	0.9032	0.0844
waveform	0.7020	0.1987	0.7020	0.5535	0.4951
web-phishing	0.9037	0.0642	0.9037	0.8324	0.3168
weight-lift	0.9786	0.0086	0.9786	0.9729	0.0512
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8174	0.2978
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5094	0.1635	0.5094	0.2335	0.5390
winequality-white	0.5010	0.1426	0.5010	0.1590	0.5397
winnipeg	0.9869	0.0062	0.9753	1.0000	0.0497
yale	0.5000	0.0667	0.5000	0.4667	0.1253
yeast	0.5405	0.0919	0.5405	0.4112	0.4046
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.3410	0.5495
zip	0.9452	0.0155	0.9231	0.9334	0.1161
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 156: Detailed results for AdaC2(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0887	0.0628	0.0887	0.0447	0.6112
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8356	0.1644	0.8356	0.2712	0.4889
accelerometer	0.8709	0.1291	0.8709	0.1686	0.2786
ads	0.4146	0.5854	0.4146	0.1162	0.3818
adult	0.7308	0.2692	0.7308	0.4528	0.5881
AID1284Morered	0.7641	0.2286	0.7727	0.0696	0.8007
AID1284red	0.5833	0.4167	0.5833	0.0940	0.6115
AID_1431	0.4048	0.5952	0.4048	0.0264	0.3744
AID1608Morered	0.1942	0.8058	0.1942	0.0005	0.2445
AID1608red	0.4078	0.5922	0.4078	0.0383	0.2577
AID_1878	0.2381	0.7619	0.2381	0.0111	0.4472
AID362red	0.9673	0.0327	0.9673	0.2860	0.5035
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9965	0.0035	0.9965	0.0856	0.3689
AID439Morered	0.5714	0.4286	0.5714	-0.2353	0.7045
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.4595	0.5405	0.4595	0.0750	0.5288
AID_602330	0.3750	0.6250	0.3750	-0.0014	0.2124
AID604	0.7077	0.2923	0.7077	0.0168	0.0338
AID604AID644_AllRed	0.9983	0.0017	0.9983	0.1658	0.5310
AID644Morered	0.4500	0.5500	0.4500	-0.2500	0.9654
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.2222	0.5185	0.2222	0.0090	0.3508
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.5150	0.4850	0.5150	0.0014	0.0224
AID688red	0.3012	0.6988	0.3012	0.0005	0.0496
AID721morered	0.4444	0.5556	0.4444	0.1509	0.4711
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9973	0.0027	0.9973	0.1099	0.4389
AID746red	0.5316	0.4684	0.5316	0.0078	0.0409
AID_773	0.5185	0.4815	0.5185	-0.2062	0.5672
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9833	0.0083	0.9833	0.9683	0.0618
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9791	0.0052	0.9791	0.9659	0.1343
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0277
aps-failure	0.7266	0.2734	0.7266	0.0808	0.1605
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.5333	0.0718	0.5333	0.3683	0.2907
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6957	0.0254	0.6957	0.6390	0.0972
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8055	0.0324	0.8055	0.7605	0.0750
balance	0.7258	0.1828	0.7258	0.5814	0.3472
bank	0.7660	0.2340	0.7660	0.3812	0.5077
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8363	0.1483	0.8517	0.6929	0.5422
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.7244	0.2756	0.7244	0.0438	0.0853
biodeg	0.6286	0.3714	0.6286	0.3259	0.6436
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.6921	0.0212	0.6921	0.0602	0.3293
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.4286	0.5714	0.4286	0.1250	0.5000
breast-cancer-co	0.7273	0.2727	0.7273	0.4590	0.7617
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1430
bub10at310k-hg16-17	0.4370	0.5630	0.4370	0.0853	0.3390
bze_3d_rdkit_descriptors	0.8049	0.1951	0.8049	0.4727	0.7114
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.2500	0.8686
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9877	0.0284
card	0.7101	0.2899	0.7101	0.4422	0.6944
cardiotocography	0.8216	0.0357	0.8216	0.7898	0.2418
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7821	0.3262
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6684	0.4069
cas_N6512_cdk_ECFP2	0.4823	0.5177	0.4823	0.0351	0.6007
cdc_diabetes	0.0942	0.6039	0.0942	0.0120	0.2703
census10%	0.5084	0.4916	0.5084	0.0965	0.2573
central-nervous-system	0.8556	0.1648	0.8260	0.5847	0.3555
cervical-B	0.9419	0.0581	0.9419	0.5841	0.5676
cervical-C	0.6512	0.3488	0.6512	0.0739	0.3715
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9186	0.0814	0.9186	0.5432	0.6013
chemo_fontaine	0.9530	0.0477	0.9806	0.9203	0.2355
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9955	0.0045	0.9955	0.2816	0.3523
ci100410h_MACCS	0.4375	0.5625	0.4375	0.1454	0.4669
ci200186.atompair_fp	0.8105	0.1861	0.8325	0.6079	0.6285
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6534	0.6013
ci200186m_ExtendedFingerprinter	0.8780	0.1315	0.8533	0.7103	0.4379
ci900367j_MACCS	0.4421	0.5579	0.4421	0.0712	0.6156
cirrhosis	0.7143	0.1905	0.7143	0.4990	0.5664
cjs	0.9928	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7204	0.1398	0.7204	0.6044	0.4790
climate	0.8148	0.1852	0.8148	0.2012	0.5795
cil_sub_111	0.5000	0.3333	0.5000	0.2174	0.5128
cm1	0.3600	0.6400	0.3600	-0.0738	0.4582
cmc	0.4354	0.3764	0.4354	0.1978	0.6338
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0626
codon_usage	0.7943	0.0374	0.7943	0.7558	0.2666
coil20	0.9653	0.0035	0.9653	0.9634	0.0242
collins	0.9600	0.0053	0.9600	0.9561	0.0267
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.2799	0.7834
colposcopies-2	0.5172	0.4828	0.5172	0.1542	0.7214
colposcopies-3	0.5172	0.4828	0.5172	0.0287	0.9760
colposcopies-4	0.5862	0.4138	0.5862	0.1031	0.8707

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6552	0.3448	0.6552	0.2602	0.6330
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.5172	0.4828	0.5172	0.0514	0.7987
column-2c	0.9032	0.0968	0.9032	0.7947	0.3833
column-3c	0.8065	0.1290	0.8065	0.6895	0.2733
connect-4	0.9892	0.0072	0.9892	0.7987	0.4360
cottonmeloidogyne	0.7400	0.2584	0.7591	0.5092	0.7405
coupon	0.4566	0.5434	0.4566	0.0359	0.5920
covtype	0.4914	0.1453	0.4914	0.3222	0.4660
covtypeCD	0.8951	0.1049	0.8951	0.6625	0.5192
covtypeT	0.9057	0.0943	0.9057	0.5437	0.5425
cox2_cdk_ECFP2	0.8251	0.1953	0.8161	0.1232	0.6328
crowdsourced	0.8984	0.0265	0.9192	0.8457	0.1701
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4062	0.0297	0.4062	0.3877	0.1070
cyclopentane	0.6667	0.3333	0.6667	0.3415	0.8344
cylinder-bands	0.7551	0.2479	0.7689	0.4749	0.6600
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.2250	0.7750	0.2250	0.0013	0.4232
deposit	0.6021	0.3979	0.6021	0.2136	0.4412
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.5921	0.4079	0.5921	0.2764	0.5292
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.1473	0.5684	0.1473	0.0039	0.5488
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4132	0.5859	0.4035	-0.3706	1.0000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.3750	0.6250	0.3750	-0.2329	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4735	0.5265	0.4735	0.0011	0.5539
dropout	0.3725	0.4184	0.3725	0.1504	0.6024
drug-01	0.1436	0.2447	0.1436	0.0213	0.7822
drug-02	0.1968	0.2295	0.1968	0.0752	0.7394
drug-03	0.3457	0.1869	0.3457	0.0835	0.6249
drug-04	0.1489	0.2432	0.1489	0.0576	0.6566
drug-05	0.3617	0.1824	0.3617	-0.0520	0.7778
drug-06	0.1968	0.2295	0.1968	0.1074	0.5600
drug-07	0.2606	0.2112	0.2606	0.0358	0.6263
drug-08	0.2553	0.2128	0.2553	0.1134	0.7417
drug-09	0.6543	0.0988	0.6543	-0.0073	0.4497
drug-10	0.1755	0.2356	0.1755	0.0177	0.7293
drug-11	0.6862	0.0897	0.6862	0.0669	0.7993
drug-12	0.4681	0.1520	0.4681	0.1370	0.7534
drug-13	0.3670	0.1809	0.3670	0.1280	0.7836
drug-14	0.3191	0.1945	0.3191	0.1377	0.6970
drug-15	0.5000	0.1429	0.5000	0.0780	0.8229
drug-16	0.1862	0.2325	0.1862	0.0674	0.5418
drug-17	0.1170	0.2523	0.1170	0.0323	0.6809
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.1755	0.2356	0.1755	0.0303	0.4855
drybean	0.8839	0.0332	0.8839	0.8604	0.1544
ecoli	0.8529	0.0368	0.8529	0.7974	0.1292
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1676	0.1041	0.1676	0.1395	0.5541
eeg-eye	0.5053	0.4947	0.5053	0.0922	0.5412
EPA_FHM	0.9180	0.0820	0.9180	0.5041	0.5919
er_lit_cdk_ECFP2	0.7006	0.3173	0.6790	0.2382	0.4596
er_tox_cdk_ECFP2	0.7000	0.3000	0.7000	0.4286	0.6726
er_tox_rdkit_ATOMPAIR	0.8197	0.1803	0.8197	0.2959	0.4064
er_tox_rdkit_AVALON	0.5574	0.4426	0.5574	0.2016	0.4216
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5626	0.6572
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.8065	0.1935	0.8065	0.4904	0.6005
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8226	0.1774	0.8226	0.2969	0.4064
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.6885	0.3115	0.6885	0.4126	0.6177
er_tox_rdkit_TORSION	0.9032	0.0968	0.9032	0.3564	0.5599
eucalyptus	0.5068	0.1973	0.5068	0.3822	0.4448
euthyroid	0.9557	0.0443	0.9557	0.7632	0.4522
exon.vs.intron-freq	0.9244	0.0756	0.9244	0.8483	0.3567
fbis-wc	0.7967	0.0239	0.7967	0.7724	0.1689
fda.atompair_fp	0.2273	0.7727	0.2273	-0.1615	0.7841
fertility	0.2000	0.8000	0.2000	-0.2121	0.4673
flags	0.5000	0.1250	0.5000	0.3827	0.2999
fontaine_MACCS	0.9091	0.0909	0.9091	0.8136	0.3522
fonts10%	0.5736	0.0056	0.5736	0.5589	0.5366
forest	0.9231	0.0385	0.9231	0.8934	0.0853
gas	0.9942	0.0019	0.9942	0.9930	0.0149
gastrointestinal	0.5625	0.2917	0.5625	0.3373	0.5568
gender	0.2611	0.4926	0.2611	0.0585	0.6114
gene	0.9387	0.0373	0.9663	0.9326	0.1624
german	0.6600	0.3400	0.6600	0.3320	0.7917
gina	0.7666	0.2334	0.7666	0.5356	0.6544
glass	0.6667	0.1111	0.6667	0.5505	0.3123
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.7619	0.2381	0.7619	-0.0825	0.3983
gli_85	0.7500	0.2500	0.7500	0.5000	0.5283
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.5833	0.4167	0.5833	0.2391	0.6785
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3824	0.4700
haberman	0.3333	0.6667	0.3333	-0.0417	0.7389
hapt	0.9579	0.0070	0.9579	0.9503	0.0517
har70	0.4557	0.1555	0.4557	0.3912	0.2342
harth10%	0.3804	0.1033	0.3804	0.2921	0.5005
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.8667	0.1333	0.8667	0.6667	0.5000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5764
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higgs10%	0.4705	0.5295	0.4705	-0.0000	0.5309
higher	0.2143	0.1964	0.2143	0.0941	0.2824
hinselmann	0.5000	0.5000	0.5000	-0.3158	0.8298
hiv1-proteasa	0.6728	0.3271	0.6728	0.3254	0.5573
hiva	0.4870	0.5130	0.4870	-0.0149	0.2150
horse	0.5556	0.2963	0.5556	0.2854	0.6528
htru2	0.8480	0.1520	0.8480	0.4548	0.5520
ht-sensor	0.6743	0.2171	0.6743	0.5210	0.3510
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.3898	0.6102	0.3898	0.0676	0.6061
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8922	0.0083	0.8922	0.8879	0.0938
jm1	0.2617	0.7383	0.2617	0.0330	0.4093
fvowels	0.9799	0.0045	0.9799	0.9772	0.0354
kc1	0.6066	0.3934	0.6066	0.2158	0.5706
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2075	0.1807
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.3846	0.6154	0.3846	0.1063	0.4473
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9216	0.0087	0.9216	0.9126	0.1212
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8254	0.0582	0.8254	0.7849	0.2550
la2s-wc	0.8344	0.0552	0.8344	0.7952	0.2824
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6622	0.0471
led24	0.6000	0.0800	0.6000	0.5506	0.1696
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9196	0.0052	0.9519	0.9611	0.0801
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8377	0.1468	0.8478	0.7247	0.4024
libra	0.8333	0.0222	0.8333	0.8209	0.0652
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0000
liver	0.4118	0.5882	0.4118	0.0885	0.5097
localization	0.1584	0.1530	0.1584	0.1261	0.5418
lrs	0.8113	0.0377	0.8113	0.7385	0.1507
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.8571	0.0571	0.8571	0.6986	0.1108
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.9007	0.0249	0.8829	0.8497	0.0302
madelon	0.5269	0.4731	0.5269	0.0538	0.9826
magic04	0.7491	0.2509	0.7491	0.4960	0.6976

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7188	0.2812	0.7188	0.4504	0.6538
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7476	0.3099
messidor	0.6000	0.4000	0.6000	0.2518	0.7190
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9661	0.0060	0.9917	0.9621	0.0386
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1691
mfeat-kar	0.9800	0.0040	0.9800	0.9778	0.0228
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2144
mfeat-pix	0.9315	0.0124	0.9340	0.9241	0.0688
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1391
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5575	0.3789
mobile	0.8741	0.0045	0.8741	0.8718	0.0562
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.6667	0.3333	0.6667	0.3220	0.4911
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.8947
mutagen_class_2	0.5588	0.4412	0.5588	0.1176	0.8239
mutagen_class_3	0.4348	0.5652	0.4348	-0.1236	1.0000
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.7818
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.1944	0.9037
MUT_ci300400a	0.6855	0.3145	0.6855	0.3921	0.7500
MUT_ci300400a_cdk_ECFP2	0.4448	0.5552	0.4448	0.0391	0.5465
myocardial	0.8588	0.0353	0.8588	0.3578	0.3275
naticusdroid	0.9666	0.0334	0.9666	0.9332	0.1967
nci9	0.3333	0.1481	0.3333	0.2258	0.1303
ncRNA10%	0.5473	0.0476	0.5473	0.3158	0.6278
newspop	0.4700	0.5300	0.4700	0.0039	0.5401
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9364	0.0636	0.9364	0.8509	0.3586
NPHA-doctor-visits	0.2500	0.5000	0.2500	0.0409	0.6249
nursery	1.0000	0.0016	0.9892	1.0000	0.0109
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0700
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.8911	0.0218	0.8911	0.8753	0.1006
oh10-wc	0.7143	0.0571	0.7143	0.6776	0.2582
oh15-wc	0.8152	0.0370	0.8152	0.7911	0.1782
oh5-wc	0.7802	0.0440	0.7802	0.7529	0.2060
opn310k	0.9115	0.0885	0.9115	0.0625	0.2708
opnat310k-hg16-17	0.9144	0.0856	0.9144	0.1250	0.2872
optdigits	0.9391	0.0120	0.9512	0.9151	0.0840
optdigitsZ	0.9788	0.0035	0.9876	0.9678	0.0180
orl	0.9443	0.0039	0.9291	0.9104	0.0143
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8933	0.1067	0.8933	0.2676	0.4778
ozone8hr	0.6798	0.3202	0.6798	0.1517	0.4422
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8708	0.2067

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.7895	0.2105	0.7895	0.5190	0.6808
particle	0.8678	0.1322	0.8678	0.6973	0.5431
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.6216	0.3784	0.6216	0.1443	0.3737
pcmac	0.4227	0.5773	0.4227	0.0074	0.5276
pd	0.7632	0.2368	0.7632	0.5068	0.5924
pediatric-leukemia	0.8235	0.0504	0.8235	0.7862	0.1779
pendigits	0.9927	0.0015	0.9927	0.9919	0.0140
period	0.5556	0.4444	0.5556	0.2500	0.5288
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.6907	0.3093	0.6907	0.4106	0.6840
P-Glycoprotein_b_Substrate	0.6178	0.3923	0.6170	0.2003	0.8925
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6396	0.5437
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.3137	0.8299
phishing	0.9796	0.0204	0.9796	0.9574	0.1428
phoneme	0.7963	0.2037	0.7963	0.5756	0.5845
phy	0.6284	0.3716	0.6284	0.2590	0.7678
pima	0.6184	0.3816	0.6184	0.3164	0.5271
plx	0.7222	0.2778	0.7222	0.4156	0.7199
poker	0.7612	0.0478	0.7612	0.6061	0.3713
polish-1st	0.9639	0.0215	0.9587	0.6232	0.0722
polish-2nd	0.4012	0.5988	0.4012	0.0140	0.1972
polish-3rd	0.3867	0.6133	0.3867	0.0266	0.2165
polish-4th	0.2571	0.7429	0.2571	0.0260	0.1764
polish-5th	0.9520	0.0445	0.9624	0.5857	0.3852
polya	0.4173	0.5827	0.4173	0.0635	0.5723
popularity	0.0724	0.6184	0.0724	0.0057	0.4369
post-operative	0.1111	0.5926	0.1111	-0.0909	0.5000
postures	0.9686	0.0125	0.9686	0.9608	0.0494
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.9023
primary-tumor	0.5455	0.0413	0.5455	0.5010	0.1948
profb	0.3582	0.6418	0.3582	0.0296	0.5025
promoters	0.9000	0.1000	0.9000	0.7826	0.2846
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9703	0.0119	0.9703	0.9602	0.0648
pufs-6410%	0.4962	0.5038	0.4962	-0.0076	1.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.6200	0.0585	0.6200	0.5546	0.2755
re1-wc	0.8193	0.0145	0.8193	0.7977	0.1944
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5269	0.4731	0.5269	0.1687	0.5629
RT_IOT2022	0.9988	0.0002	0.9988	0.9969	0.0088
satimage	0.7652	0.0783	0.7652	0.7194	0.1893
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.7994	0.2006	0.7994	0.3816	0.5494
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5588	0.4412	0.5588	0.1176	0.9174
secom	0.4936	0.5064	0.4936	0.0200	0.3347
secondary_mushroom	0.6409	0.3591	0.6409	0.3267	0.5170
segment	0.9610	0.0111	0.9610	0.9544	0.0475
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.4961	0.5039	0.4961	0.0558	0.3210
semeion	1.0000	0.0185	0.9599	0.8918	0.0675
sens-1-gram	0.2237	0.7763	0.2237	-0.0139	0.4295
sens-2-gram	0.3737	0.6263	0.3737	0.0496	0.4522
sens-3-gram	0.5526	0.4474	0.5526	0.1189	0.5431
sens-4-gram	0.5395	0.4605	0.5395	0.0607	0.5756
sensorless	0.9988	0.0002	0.9988	0.9987	0.0027
sepsis	0.9344	0.0915	0.9204	0.0000	0.2114
shoppers	0.8959	0.1113	0.8976	0.5365	0.5874
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9995	0.0005	0.9995	0.9985	0.0115
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.5324	0.1559	0.5324	0.4506	0.2792
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9412	0.0062	0.9412	0.9355	0.0336
spambase	0.8304	0.1696	0.8304	0.6651	0.5245
spect	0.2963	0.7037	0.2963	0.0447	0.4329
spectf	0.9429	0.0571	0.9429	0.8600	0.3290
spectrometer	0.5094	0.0204	0.5094	0.4818	0.1459
splice-EI	0.9913	0.0193	1.0000	0.9424	0.1648
splice-IE	0.9386	0.0497	0.9480	0.8599	0.3421
sport-articles	0.4100	0.5900	0.4100	0.0478	0.5202
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.6308	0.3692	0.6308	0.3010	0.5918
steel-d	0.9846	0.0154	0.9846	0.7613	0.4382
steel_industry	0.7900	0.1400	0.7900	0.6671	0.3131
steel-k	0.9897	0.0103	0.9897	0.9685	0.1057
steel-o	0.5282	0.4718	0.5282	0.2056	0.5733
steel-p	0.8718	0.1282	0.8718	0.5027	0.5215
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9795	0.0205	0.9795	0.8934	0.3231
studentap	0.3846	0.4103	0.3846	0.0714	0.8076
student-weekend	0.1692	0.3323	0.1692	-0.0227	0.7693
student-workday	0.4375	0.2250	0.4375	-0.0295	0.8067
susy10%	0.7593	0.2407	0.7593	0.5139	0.7364
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.6944	0.3056	0.6944	0.2774	0.7708
texture	0.9782	0.0040	0.9782	0.9759	0.0297
theorem	1.0000	0.0000	0.9765	1.0000	0.0000
thoracic	0.2766	0.7234	0.2766	0.0499	0.3524
Thyroid_Diff	0.8947	0.1053	0.8947	0.7441	0.4906
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.7046	0.2954	0.7046	0.4220	0.5893
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.7500	0.0833	0.7500	0.6098	0.1060
tox_171	0.5294	0.2353	0.5294	0.3674	0.3572
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.2817	0.8486
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.2667	0.7333	0.2667	0.0172	0.4391
trec11-wc	0.8780	0.0271	0.8780	0.8530	0.1327
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7818	0.2320
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0271
trec41-wc	0.9318	0.0136	0.9318	0.9167	0.0725
trec45-wc	0.9275	0.0145	0.9275	0.9157	0.0561
tuandromd	0.9821	0.0179	0.9821	0.9457	0.1915
turkish	0.8000	0.1000	0.8000	0.7333	0.2411
tvnews	0.7848	0.2152	0.7848	0.5672	0.6483
urban	0.8657	0.0299	0.8657	0.8432	0.1434
vehicle	0.7857	0.1071	0.7857	0.7094	0.1872
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5455	0.0826	0.5455	0.5000	0.2339
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.1530	0.8470	0.1530	0.0123	0.2361
wap-wc	0.8782	0.0122	0.8782	0.8644	0.0903
warpar10p	0.7835	0.0469	0.7883	0.7380	0.0739
warppie10p	1.0000	0.0000	1.0000	0.9839	0.0000
watch-acc10%	0.9193	0.0231	0.9193	0.9056	0.0439
watch-gyr10%	0.9086	0.0261	0.9086	0.8933	0.0460
waveform	0.7340	0.1773	0.7340	0.6013	0.4845
web-phishing	0.8296	0.1136	0.8296	0.7164	0.3759
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0018
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9793	0.0207	0.9793	0.8169	0.4373
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5346	0.1551	0.5346	0.3225	0.5755
winequality-white	0.2597	0.2115	0.2597	0.1005	0.5561
winnipeg	0.9863	0.0039	0.9863	0.9826	0.0349
yale	0.6875	0.0417	0.6875	0.6624	0.0721
yeast	0.5338	0.0932	0.5338	0.4056	0.4866
yeastCYT-POX	0.9592	0.0408	0.9592	0.4787	0.5697
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9392	0.0608	0.9392	0.2761	0.6261
zip	0.9376	0.0125	0.9376	0.9301	0.0950
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 157: Detailed results for AdaC2(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1990	0.0552	0.1990	0.1157	0.4090
abalone19	0.9856	0.0144	0.9856	-0.0072	0.5293
abalone9-18	0.8356	0.1644	0.8356	0.2712	0.4889
accelerometer	0.8937	0.1063	0.8937	0.1989	0.3158
ads	0.5793	0.4207	0.5793	0.2264	0.4422
adult	0.7351	0.2649	0.7351	0.4574	0.5936
AID1284Morered	0.7947	0.2201	0.7706	0.0695	0.7940
AID1284red	0.6389	0.3611	0.6389	0.1397	0.6349
AID_1431	0.3413	0.6587	0.3413	-0.0124	0.3773
AID1608Morered	0.2718	0.7282	0.2718	-0.0321	0.3086
AID1608red	0.4369	0.5631	0.4369	0.0457	0.2649
AID_1878	0.3238	0.6762	0.3238	0.0553	0.4654
AID362red	0.9766	0.0234	0.9766	0.3639	0.5508
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9980	0.0020	0.9980	0.2491	0.5039
AID439Morered	0.7143	0.2857	0.7143	0.3636	0.5000
AID439red	0.7143	0.2857	0.7143	0.3636	0.5000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.4324	0.5676	0.4324	0.0202	0.7134
AID_602330	0.3073	0.6927	0.3073	0.0178	0.1727
AID604	0.6419	0.3581	0.6419	0.0125	0.0278
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.1994	0.5258
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.6000	0.4000	0.6000	0.1304	0.8900
AID_652128	0.2424	0.5051	0.2424	0.0362	0.3413
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.6495	0.3505	0.6495	0.0009	0.0280
AID688red	0.3222	0.6778	0.3222	-0.0000	0.0517
AID721morered	0.7778	0.2222	0.7778	0.5263	0.5283
AID721red	0.5556	0.4444	0.5556	0.0526	0.7987
AID746AID1284red	0.9980	0.0020	0.9980	-0.0010	0.5055
AID746red	0.4282	0.5718	0.4282	0.0048	0.0352
AID_773	0.4815	0.5185	0.4815	-0.0678	0.5349
AID852_MACCS	0.8769	0.1231	0.8769	0.6688	0.5724
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9889	0.0056	0.9889	0.9788	0.0327
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9861	0.0035	0.9861	0.9772	0.0749
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0415
aps-failure	0.9000	0.1000	0.9000	0.2339	0.3282
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.6073	0.2499
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8457	0.0257	0.8457	0.7973	0.1278
balance	0.7097	0.1935	0.7097	0.5430	0.3919
bank	0.7689	0.2311	0.7689	0.3852	0.5092
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8467	0.1499	0.8459	0.6800	0.5625
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.7947	0.2053	0.7947	0.0633	0.1108
biodeg	0.6952	0.3048	0.6952	0.4353	0.5814
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.6916	0.0213	0.6916	0.0608	0.3254
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.4286	0.5714	0.4286	0.1250	0.5000
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1621
bub10at310k-hg16-17	0.3952	0.6048	0.3952	0.0720	0.3210
bze_3d_rdkit_descriptors	0.8049	0.1951	0.8049	0.4727	0.7114
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.5294	0.5000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.7681	0.2319	0.7681	0.5415	0.6788
cardiotocography	0.8685	0.0263	0.8685	0.8425	0.1707
cardiotocography-nsp	0.8685	0.0876	0.8685	0.6968	0.3803
cargo2k	0.9871	0.0000	0.9804	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5864	0.4926
cas_N6512_cdk_ECFP2	0.4716	0.5284	0.4716	0.0184	0.5307
cdc_diabetes	0.1772	0.5486	0.1772	0.0441	0.3035
census10%	0.4947	0.5053	0.4947	0.0914	0.2525
central-nervous-system	0.8576	0.1721	0.8405	0.5661	0.3614
cervical-B	0.9535	0.0465	0.9535	0.6895	0.5225
cervical-C	0.0581	0.9419	0.0581	0.0000	0.1495
cervical-H	0.9535	0.0465	0.9535	0.6446	0.5283
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9739	0.0456	0.9614	0.9342	0.2439
Choi_MACCS	0.3750	0.6250	0.3750	0.0909	0.4711
chrom19	0.9987	0.0013	0.9987	0.5770	0.5294
ci100410h_MACCS	0.4688	0.5312	0.4688	0.0685	0.6986
ci200186.atompair_fp	0.8125	0.1835	0.8453	0.6112	0.6617
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7304	0.5155
ci200186m_ExtendedFingerprinter	0.8714	0.1265	0.8866	0.7341	0.4341
ci900367j_MACCS	0.4842	0.5158	0.4842	0.1265	0.6150
cirrhosis	0.7381	0.1746	0.7381	0.4889	0.4566
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7583	0.1208	0.7583	0.6531	0.4527
climate	0.8519	0.1481	0.8519	0.2603	0.6164
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.3200	0.6800	0.3200	0.0608	0.2874
cmc	0.5102	0.3265	0.5102	0.2638	0.7139
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0516
codon_usage	0.7905	0.0381	0.7905	0.7491	0.2023
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.2494	0.8405
colposcopies-2	0.4828	0.5172	0.4828	0.0523	0.8822
colposcopies-3	0.5517	0.4483	0.5517	0.1087	0.9445
colposcopies-4	0.5862	0.4138	0.5862	0.0387	0.9049

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	0.3003	0.6424
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.4138	0.5862	0.4138	-0.0423	0.7829
column-2c	0.9355	0.0645	0.9355	0.8597	0.3145
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9985	0.0010	0.9985	0.9671	0.1193
cottonmeloidogyne	0.7482	0.2541	0.7523	0.4936	0.7692
coupon	0.4621	0.5379	0.4621	0.0448	0.5847
covtype	0.6927	0.0878	0.6927	0.5066	0.3609
covtypeCD	0.9190	0.0810	0.9190	0.7225	0.4963
covtypeT	0.9358	0.0642	0.9358	0.6450	0.5374
cox2_cdk_ECFP2	0.8090	0.1931	0.8017	0.1226	0.6487
crowdsourced	0.9263	0.0261	0.8983	0.8137	0.1692
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5625	0.0219	0.5625	0.5502	0.0505
cyclopentane	0.7407	0.2593	0.7407	0.4793	0.7616
cylinder-bands	0.7763	0.2414	0.7544	0.4711	0.6318
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.9935	0.0000	1.0000	1.0000	0.0000
default	0.2253	0.7747	0.2253	0.0015	0.4232
deposit	0.6541	0.3459	0.6541	0.2547	0.4714
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6000	0.2311
dexter	0.9333	0.0667	0.9333	0.8667	0.2500
dhfr_cdk_ECFP2	0.5921	0.4079	0.5921	0.2692	0.6237
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.3428	0.4381	0.3428	0.0000	0.5118
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4135	0.5971	0.3942	-0.3582	1.0000
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.4583	0.5417	0.4583	-0.0685	0.9943
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4733	0.5267	0.4733	0.0009	0.5429
dropout	0.7020	0.1986	0.7020	0.5371	0.5063
drug-01	0.3723	0.1793	0.3723	0.0866	0.6861
drug-02	0.2500	0.2143	0.2500	0.1139	0.5556
drug-03	0.2181	0.2234	0.2181	0.0798	0.4113
drug-04	0.1436	0.2447	0.1436	0.0187	0.5579
drug-05	0.1596	0.2401	0.1596	-0.0129	0.4731
drug-06	0.3670	0.1809	0.3670	0.2245	0.6587
drug-07	0.3936	0.1733	0.3936	0.0018	0.4681
drug-08	0.1809	0.2340	0.1809	0.0363	0.5872
drug-09	0.2553	0.2128	0.2553	0.0414	0.3299
drug-10	0.2340	0.2188	0.2340	0.0372	0.6138
drug-11	0.4255	0.1641	0.4255	0.0830	0.6443
drug-12	0.3457	0.1869	0.3457	0.1181	0.4615
drug-13	0.3298	0.1915	0.3298	0.1333	0.6199
drug-14	0.3564	0.1839	0.3564	0.1992	0.5859
drug-15	0.2074	0.2264	0.2074	0.0704	0.6204
drug-16	0.3511	0.1854	0.3511	0.1857	0.5599
drug-17	0.2926	0.2021	0.2926	0.1116	0.7002
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.2606	0.2112	0.2606	0.0828	0.3650
drybean	0.9368	0.0181	0.9368	0.9236	0.1058
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.7576	0.2424	0.7576	0.2281	0.5602
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2340	0.0958	0.2340	0.1667	0.5627
eeg-eye	0.5047	0.4953	0.5047	0.0909	0.5498
EPA_FHM	0.9508	0.0492	0.9508	0.6405	0.5426
er_lit_cdk_ECFP2	0.6813	0.3153	0.6892	0.2361	0.4530
er_tox_cdk_ECFP2	0.5833	0.4167	0.5833	0.2690	0.6359
er_tox_rdkit_ATOMPAIR	0.8525	0.1475	0.8525	0.3488	0.4422
er_tox_rdkit_AVALON	0.7869	0.2131	0.7869	0.4466	0.5189
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4953	0.7134
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.6774	0.3226	0.6774	0.3404	0.5000
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	0.5709	0.5288
er_tox_rdkit_MORGAN	0.8226	0.1774	0.8226	0.2969	0.4064
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.7377	0.2623	0.7377	0.4858	0.6068
er_tox_rdkit_TORSION	0.8871	0.1129	0.8871	0.4182	0.4809
eucalyptus	0.5890	0.1644	0.5890	0.4722	0.4010
euthyroid	0.9684	0.0316	0.9684	0.8212	0.3529
exon.vs.intron-freq	0.9256	0.0744	0.9256	0.8507	0.3532
fbis-wc	0.8293	0.0201	0.8293	0.8053	0.1272
fda.atompair_fp	0.3182	0.6818	0.3182	-0.0248	0.6920
fertility	0.1000	0.9000	0.1000	0.0000	0.2369
flags	0.6500	0.0875	0.6500	0.5527	0.2097
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4771	0.0067	0.4829	0.4517	0.2790
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9942	0.0019	0.9942	0.9930	0.0151
gastrointestinal	0.8125	0.1250	0.8125	0.7193	0.2820
gender	0.3474	0.4351	0.3474	0.0146	0.4819
gene	0.9474	0.0391	0.9692	0.8938	0.1549
german	0.6600	0.3400	0.6600	0.3241	0.8073
gina	0.8242	0.1758	0.8242	0.6486	0.6138
glass	0.8095	0.0635	0.8095	0.7462	0.2384
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.6667	0.3333	0.6667	0.3226	0.8108
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.7619	0.2381	0.7619	-0.0825	0.3983
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.7619	0.2381	0.7619	0.5367	0.6381
green	0.8000	0.2000	0.8000	0.6000	0.5000
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6667	0.1667	0.6667	0.5482	0.3670
haberman	0.4667	0.5333	0.4667	0.1667	0.5000
hapt	0.9634	0.0061	0.9634	0.9567	0.0404
har70	0.9469	0.0227	0.9016	0.8633	0.1173
harth10%	0.8404	0.0266	0.8404	0.7827	0.2549
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5294	0.4706	0.5294	0.0685	0.9552
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.8667	0.1333	0.8667	0.6667	0.5000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7970	0.2030	0.7970	0.5932	0.5883
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.4705	0.5295	0.4705	-0.0000	0.5311
higher	0.1429	0.2143	0.1429	-0.0060	0.3940
hinselmann	0.5000	0.5000	0.5000	-0.3158	0.8298
hiv1-proteasa	0.4536	0.5464	0.4536	0.1442	0.4552
hiva	0.4586	0.5414	0.4586	-0.0096	0.2072
horse	0.6111	0.2593	0.6111	0.3906	0.5956
htru2	0.9011	0.0989	0.9011	0.5799	0.5625
ht-sensor	0.7475	0.1683	0.7475	0.6230	0.4220
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.4576	0.5424	0.4576	0.1526	0.5064
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9204	0.0061	0.9204	0.9172	0.0717
jm1	0.2709	0.7291	0.2709	0.0351	0.4267
jvowels	0.9538	0.0103	0.9538	0.9477	0.0724
kc1	0.6019	0.3981	0.6019	0.2409	0.5190
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3438	0.1871
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.2308	0.7692	0.2308	0.0105	0.4079
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9191	0.0090	0.9191	0.9096	0.1112
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7619	0.0794	0.7619	0.7049	0.2997
la2s-wc	0.8609	0.0464	0.8609	0.8237	0.2272
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6308	0.0616
led24	0.6000	0.0800	0.6000	0.5467	0.1551
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9448	0.0052	0.9647	0.9590	0.0806
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8532	0.1412	0.8598	0.7259	0.4043
libra	0.8333	0.0222	0.8333	0.8215	0.0552
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0000
liver	0.4706	0.5294	0.4706	0.1524	0.5184
localization	0.4242	0.1047	0.4242	0.3334	0.5368
lrs	0.8302	0.0340	0.8302	0.7646	0.1507
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8956	0.0244	0.9109	0.8662	0.0293
madelon	0.5231	0.4769	0.5231	0.0462	0.9695
magic04	0.6907	0.3093	0.6907	0.4156	0.6691

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7500	0.2500	0.7500	0.5083	0.6598
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8713	0.0858	0.8713	0.8057	0.2902
messidor	0.6000	0.4000	0.6000	0.2549	0.6866
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9895	0.0062	0.9544	0.9662	0.0374
mfeat-fou	0.8400	0.0320	0.8400	0.8222	0.1319
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0698
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2087
mfeat-pix	0.9388	0.0124	0.9720	0.9302	0.0695
mfeat-zer	0.7300	0.0540	0.7300	0.7000	0.1874
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4119	0.4478
mobile	0.8846	0.0041	0.8846	0.8825	0.0540
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.5515	0.4485	0.5515	0.2148	0.4477
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.5441	0.4559	0.5441	0.0882	0.8625
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.6809
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1644	0.9123
MUT_ci300400a	0.6792	0.3208	0.6792	0.3798	0.7611
MUT_ci300400a_cdk_ECFP2	0.4544	0.5456	0.4544	0.0518	0.5721
myocardial	0.6353	0.0912	0.6353	0.2313	0.6400
naticusdroid	0.9690	0.0310	0.9690	0.9379	0.1861
nci9	0.6667	0.0741	0.6667	0.6129	0.0312
ncRNA10%	0.5664	0.0456	0.5664	0.3323	0.4796
newspop	0.4690	0.5310	0.4690	0.0020	0.5441
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9335	0.0665	0.9335	0.8451	0.3650
NPHA-doctor-visits	0.2361	0.5093	0.2361	-0.0112	0.6996
nursery	0.9843	0.0015	0.9984	1.0000	0.0105
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0729
Occupancy_Estimation	0.9970	0.0015	0.9970	0.9910	0.0077
oh0-wc	0.8911	0.0218	0.8911	0.8753	0.1038
oh10-wc	0.8095	0.0381	0.8095	0.7833	0.1849
oh15-wc	0.8478	0.0304	0.8478	0.8265	0.1494
oh5-wc	0.8022	0.0396	0.8022	0.7773	0.1948
opn310k	0.9142	0.0858	0.9142	0.1087	0.2498
opnat310k-hg16-17	0.9118	0.0882	0.9118	0.0728	0.2748
optdigits	0.9693	0.0117	0.9635	0.9293	0.0809
optdigitsZ	1.0000	0.0036	1.0000	0.9750	0.0181
orl	0.9530	0.0037	0.9353	0.9154	0.0149
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9051	0.0949	0.9051	0.3322	0.4901
ozone8hr	0.7233	0.2767	0.7233	0.1710	0.4792
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9360	0.0256	0.9360	0.7278	0.4391

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.8520	0.1480	0.8520	0.6740	0.5390
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.6577	0.3423	0.6577	0.1677	0.3929
pcmac	0.4227	0.5773	0.4227	0.0074	0.5276
pd	0.7763	0.2237	0.7763	0.5143	0.6313
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9936	0.0013	0.9936	0.9929	0.0124
period	0.4444	0.5556	0.4444	0.0000	0.8722
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.6907	0.3093	0.6907	0.4068	0.6981
P-Glycoprotein_b_Substrate	0.6171	0.3949	0.6010	0.2019	0.8752
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8016	0.1984	0.8016	0.6091	0.5609
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.6000	0.4000	0.6000	0.2000	0.9053
phishing	0.9878	0.0122	0.9878	0.9745	0.0927
phoneme	0.8037	0.1963	0.8037	0.5896	0.5736
phy	0.6304	0.3696	0.6304	0.2587	0.7863
pima	0.5789	0.4211	0.5789	0.2494	0.6257
plx	0.7222	0.2778	0.7222	0.3478	0.8027
poker	0.7757	0.0449	0.7757	0.6426	0.4262
polish-1st	1.0000	0.0211	0.9807	0.6175	0.0736
polish-2nd	0.3491	0.6509	0.3491	0.0149	0.1807
polish-3rd	0.4371	0.5629	0.4371	0.0369	0.2273
polish-4th	0.2796	0.7204	0.2796	0.0275	0.1864
polish-5th	0.9642	0.0439	0.9452	0.5935	0.3999
polya	0.4357	0.5643	0.4357	0.0807	0.6101
popularity	0.3130	0.4580	0.3130	0.0016	0.4212
post-operative	0.3333	0.4444	0.3333	0.0000	0.2500
postures	0.9520	0.0192	0.9520	0.9399	0.0937
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.9222
primary-tumor	0.3030	0.0634	0.3030	0.2356	0.2526
profb	0.3582	0.6418	0.3582	0.0296	0.5025
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9795	0.0082	0.9795	0.9726	0.0606
pufs-6410%	0.5009	0.4991	0.5009	0.0018	0.9995
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.8067	0.0297	0.8067	0.7548	0.1917
re1-wc	0.8373	0.0130	0.8373	0.8131	0.1178
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5283	0.4717	0.5283	0.1716	0.5489
RT_IOT2022	0.9993	0.0001	0.9993	0.9984	0.0011
satimage	0.8834	0.0389	0.8834	0.8568	0.1753
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.7994	0.2006	0.7994	0.3863	0.5438
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.5256	0.4744	0.5256	0.0069	0.3540
secondary_mushroom	0.6096	0.3904	0.6096	0.2727	0.5252
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.6085	0.3915	0.6085	0.1291	0.3448
semeion	0.9732	0.0191	0.9914	0.9031	0.0691
sens-1-gram	0.2316	0.7684	0.2316	-0.0011	0.4129
sens-2-gram	0.3684	0.6316	0.3684	0.0528	0.4423
sens-3-gram	0.5579	0.4421	0.5579	0.1359	0.5322
sens-4-gram	0.5605	0.4395	0.5605	0.0744	0.5837
sensorless	0.9995	0.0001	0.9995	0.9994	0.0012
sepsis	0.9152	0.0885	0.8878	0.0000	0.2069
shoppers	0.8694	0.1138	0.8890	0.5186	0.6106
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8472	0.2891
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9995	0.0005	0.9995	0.9985	0.0115
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7050	0.0983	0.7050	0.6305	0.2836
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9559	0.0046	0.9559	0.9516	0.0280
spambase	0.8609	0.1391	0.8609	0.7227	0.4724
spect	0.2963	0.7037	0.2963	0.0447	0.4329
spectf	0.8857	0.1143	0.8857	0.7200	0.5179
spectrometer	0.5472	0.0189	0.5472	0.5223	0.1096
splice-EI	1.0000	0.0190	0.9815	0.9549	0.1664
splice-IE	0.9387	0.0518	0.9272	0.8818	0.3502
sport-articles	0.4100	0.5900	0.4100	0.0397	0.6090
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.6359	0.3641	0.6359	0.3146	0.5717
steel-d	0.9846	0.0154	0.9846	0.7613	0.4382
steel_industry	0.8730	0.0847	0.8730	0.7974	0.2753
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.5692	0.4308	0.5692	0.2552	0.6045
steel-p	0.8615	0.1385	0.8615	0.4629	0.5417
steel-s	0.9949	0.0051	0.9949	0.9307	0.0228
steel-z	0.9692	0.0308	0.9692	0.8467	0.3920
studentap	0.4615	0.3590	0.4615	0.1875	0.7090
student-weekend	0.2923	0.2831	0.2923	0.0320	0.6650
student-workday	0.2344	0.3063	0.2344	0.0342	0.3570
susy10%	0.4581	0.5419	0.4581	0.0002	0.5317
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.7222	0.2778	0.7222	0.3182	0.7675
texture	0.9782	0.0040	0.9782	0.9759	0.0308
theorem	0.9820	0.0000	1.0000	1.0000	0.0000
thoracic	0.3830	0.6170	0.3830	0.0606	0.4838
Thyroid_Diff	0.9211	0.0789	0.9211	0.8131	0.4145
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.6978	0.3022	0.6978	0.4162	0.5757
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.9412	0.0294	0.9412	0.9209	0.0644
toxicity	0.6471	0.3529	0.6471	0.2273	0.8920
toxicity-13f	0.7059	0.2941	0.7059	0.3796	0.8113
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.2667	0.7333	0.2667	-0.0015	0.5346
trec11-wc	0.9024	0.0217	0.9024	0.8811	0.0903
trec12-wc	0.9032	0.0242	0.9032	0.8838	0.0618

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0135
trec41-wc	0.9659	0.0068	0.9659	0.9586	0.0416
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9865	0.0135	0.9865	0.9593	0.1598
turkish	0.9250	0.0375	0.9250	0.9000	0.1034
tvnews	0.7800	0.2200	0.7800	0.5583	0.6543
urban	0.8657	0.0299	0.8657	0.8428	0.1214
vehicle	0.7024	0.1488	0.7024	0.6075	0.2272
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7676	0.4739
vowel	0.5556	0.0808	0.5556	0.5111	0.2324
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.1481	0.8519	0.1481	0.0115	0.2333
wap-wc	0.8269	0.0173	0.8269	0.8054	0.1045
warpar10p	0.7507	0.0462	0.7831	0.7251	0.0723
warppie10p	0.9864	0.0000	0.9920	1.0000	0.0000
watch-acc10%	0.9996	0.0001	0.9996	0.9995	0.0014
watch-gyr10%	0.9993	0.0002	0.9993	0.9992	0.0022
waveform	0.7460	0.1693	0.7460	0.6192	0.4864
web-phishing	0.8741	0.0840	0.8741	0.7833	0.3614
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9793	0.0207	0.9793	0.8169	0.4373
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.3900	0.3632
winequality-white	0.4724	0.1507	0.4724	0.2620	0.5508
winnipeg	0.9890	0.0032	0.9890	0.9860	0.0319
yale	0.6875	0.0417	0.6875	0.6667	0.0817
yeast	0.5068	0.0986	0.5068	0.3610	0.3903
yeastCYT-POX	0.9592	0.0408	0.9592	0.4787	0.5697
yeastEXC	0.9527	0.0473	0.9527	0.1981	0.5887
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9257	0.0743	0.9257	0.1152	0.6481
zip	0.9484	0.0103	0.9484	0.9422	0.0838
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 158: Detailed results for AdaC1(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1679	0.0574	0.1679	0.0820	0.4636
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9834	0.0166	0.9834	0.1559	0.1518
ads	0.9634	0.0366	0.9634	0.8364	0.2304
adult	0.8612	0.1388	0.8612	0.5786	0.5723
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.7500	0.2500	0.7500	-0.1408	0.8101
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7429	0.2571	0.7429	-0.0638	0.8550
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.7027	0.2973	0.7027	0.3898	0.8195
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9941	0.0059	0.9941	0.0537	0.0247
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9666	0.0167	0.9666	0.9356	0.0659
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9374	0.0156	0.9374	0.8933	0.0726
anuran-species	0.9528	0.0094	0.9528	0.9336	0.0505
aps-failure	0.9880	0.0120	0.9880	0.5086	0.1139
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7778	0.0342	0.7778	0.6124	0.1192
auction	0.9853	0.0147	0.9853	0.9305	0.0577
audiology	0.7391	0.0217	0.7391	0.6954	0.0637
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8251	0.0291	0.8251	0.7606	0.0878
balance	0.8226	0.1183	0.8226	0.6813	0.4522
bank	0.9109	0.0891	0.9109	0.5888	0.5933
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8387	0.1613	0.8387	0.6180	0.4401
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.9966	0.0034	0.9966	0.7731	0.1550
biodeg	0.8095	0.1905	0.8095	0.5962	0.6596
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9879	0.0008	0.9879	0.3497	0.1855
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
block10%	0.9999	0.0001	0.9999	0.9903	0.0005
breast-cancer	0.6786	0.3214	0.6786	0.1818	0.8787
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.7143	0.0589
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	1.0000	0.0000	1.0000	1.0000	0.0000
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9713	0.0144	0.9713	0.9363	0.0426
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8263	0.0347	0.8263	0.7894	0.1659
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7766	0.2338
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5244	0.3716
cas_N6512_cdk_ECFP2	0.5469	0.4531	0.5469	0.0200	0.5997
cdc_diabetes	0.8483	0.1012	0.8483	0.1750	0.3097
census10%	0.9495	0.0505	0.9495	0.3437	0.3798
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9535	0.0465	0.9535	0.3120	0.5355
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8407	0.3256
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.4500	0.7722
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5535	0.6713
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4368	0.7800
cirrhosis	0.6905	0.2063	0.6905	0.3531	0.4284
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8213	0.0894	0.8213	0.7185	0.3476
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5918	0.2721	0.5918	0.3490	0.6311
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0606
codon_usage	0.8611	0.0253	0.8611	0.8296	0.1478
coil20	0.9792	0.0021	0.9792	0.9781	0.0147
collins	0.9600	0.0053	0.9600	0.9561	0.0267
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	-0.0116	0.9557
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6207	0.3793	0.6207	0.1671	0.8893
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9922	0.0052	0.9922	0.7941	0.0735
cottonmeloidogyne	0.6370	0.3630	0.6370	0.2778	0.7423
coupon	0.7114	0.2886	0.7114	0.4168	0.8052
covtype	0.7357	0.0755	0.7357	0.5718	0.3006
covtypeCD	0.9886	0.0114	0.9886	0.9506	0.1020
covtypeT	0.9795	0.0205	0.9795	0.8391	0.3010
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8848	0.0384	0.8848	0.7465	0.1911
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3896	0.0964
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7407	0.2593	0.7407	0.4514	0.7389
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.6923	0.3077	0.6923	-0.1304	0.5140
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8270	0.1730	0.8270	0.3961	0.6353
deposit	0.8998	0.1002	0.8998	0.4824	0.6187
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.0588	0.6762
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6176	0.4759
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5403	0.3065	0.5403	0.0038	0.3556
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	-0.0154	0.9600
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5874	0.4126	0.5874	0.1769	0.9350
dropout	0.7381	0.1746	0.7381	0.5624	0.4924
drug-01	0.3936	0.1733	0.3936	0.0106	0.4359
drug-02	0.5585	0.1261	0.5585	0.1891	0.4333
drug-03	0.6702	0.0942	0.6702	-0.0082	0.4014
drug-04	0.5160	0.1383	0.5160	0.1445	0.5983
drug-05	0.7394	0.0745	0.7394	0.0447	0.1846
drug-06	0.4043	0.1702	0.4043	0.2413	0.5247
drug-07	0.4096	0.1687	0.4096	-0.0275	0.3439
drug-08	0.5426	0.1307	0.5426	0.0879	0.4646
drug-09	0.8670	0.0380	0.8670	0.0325	0.1030
drug-10	0.5426	0.1307	0.5426	0.1009	0.4090
drug-11	0.8457	0.0441	0.8457	-0.0070	0.2075
drug-12	0.7979	0.0578	0.7979	0.0434	0.1515
drug-13	0.6064	0.1125	0.6064	0.2229	0.3880
drug-14	0.5479	0.1292	0.5479	0.1913	0.5338
drug-15	0.7606	0.0684	0.7606	0.0842	0.2421
drug-16	0.5851	0.1185	0.5851	0.2922	0.4545
drug-17	0.3564	0.1839	0.3564	0.1211	0.6332
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7766	0.0638	0.7766	0.0689	0.1606
drybean	0.9280	0.0206	0.9280	0.9128	0.1203
ecoli	0.7941	0.0515	0.7941	0.7087	0.1478
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8485	0.1515	0.8485	0.5692	0.6280
ecoliMU	0.8788	0.1212	0.8788	-0.0476	0.7114
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3399	0.0825	0.3399	0.2569	0.5120
eeg-eye	0.5968	0.4032	0.5968	0.1141	0.5840
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.4115	0.8025
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6169	0.5922
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6369	0.6155
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.2439	0.6242
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6059	0.6342
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5568	0.3680
euthyroid	0.9589	0.0411	0.9589	0.7415	0.3303
exon.vs.intron-freq	0.9418	0.0582	0.9418	0.8833	0.2969
fbis-wc	0.7154	0.0335	0.7154	0.6684	0.1824
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5380	0.2251
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5860	0.0054	0.5860	0.5608	0.2482
forest	0.8846	0.0577	0.8846	0.8405	0.1609
gas	0.9914	0.0029	0.9914	0.9895	0.0215
gastrointestinal	0.9375	0.0417	0.9375	0.8968	0.0977
gender	0.5895	0.2737	0.5895	0.0078	0.3919
gene	0.9180	0.0547	0.9180	0.8684	0.2317
german	0.7300	0.2700	0.7300	0.3216	0.7041
gina	0.8415	0.1585	0.8415	0.6829	0.5798
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.6000	0.2846
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4479	0.4633
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.9460	0.0090	0.9460	0.9362	0.0680
har70	0.8809	0.0340	0.8809	0.8282	0.1265
harth10%	0.8618	0.0230	0.8618	0.8107	0.1633
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.8235	0.1765	0.8235	0.6277	0.6077
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8333	0.1667	0.8333	0.6696	0.5487
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7957	0.2043	0.7957	0.5906	0.5799
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5520	0.4480	0.5520	0.0519	0.5911
higher	0.3571	0.1607	0.3571	0.2075	0.2583
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8904	0.1096	0.8904	0.5419	0.5094
hiva	0.9645	0.0355	0.9645	0.1102	0.3399
horse	0.5833	0.2778	0.5833	0.2128	0.6179
htru2	0.9788	0.0212	0.9788	0.8651	0.2094
ht-sensor	0.6792	0.2139	0.6792	0.5280	0.3554
hypothyroid	0.9867	0.0066	0.9867	0.9176	0.0930
hypothyroidT	0.9947	0.0053	0.9947	0.9614	0.0242
ilpd	0.6610	0.3390	0.6610	0.0767	0.9032
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8678	0.0102	0.8678	0.8625	0.1097
jm1	0.8108	0.1892	0.8108	0.2132	0.6965
fvowels	0.9618	0.0085	0.9618	0.9567	0.0550
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.7143	0.0238	0.7143	0.4563	0.0715
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.2956	0.7699
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.9291	0.0079	0.9291	0.9207	0.0868
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8603	0.0466	0.8603	0.8213	0.1720
la2s-wc	0.8444	0.0519	0.8444	0.8002	0.2060
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6929	0.0421
led24	0.5500	0.0900	0.5500	0.4915	0.2008
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9390	0.0047	0.9390	0.9365	0.0695
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7912	0.0656
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.5882	0.4118	0.5882	0.1765	0.8627
localization	0.5784	0.0767	0.5784	0.4581	0.4385
lrs	0.7736	0.0453	0.7736	0.6767	0.1367
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6178	0.1332
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.6667	0.0741	0.6667	0.5263	0.1040
madelon	0.5038	0.4962	0.5038	0.0077	0.9764
magic04	0.8106	0.1894	0.8106	0.5808	0.6647

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5399	0.7171
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7747	0.3494
messidor	0.6000	0.4000	0.6000	0.2454	0.7706
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0631
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1724
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0629
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2088
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0480
mfeat-zer	0.7650	0.0470	0.7650	0.7389	0.1611
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5201	0.3913
mobile	0.8497	0.0054	0.8497	0.8469	0.0673
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8894	0.1106	0.8894	0.4085	0.2983
mutagen_class_1	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9915
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7241
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4404	0.7925
MUT_ci300400a	0.6429	0.3571	0.6429	0.1889	0.6276
MUT_ci300400a_cdk_ECFP2	0.5947	0.4053	0.5947	0.0342	0.5277
myocardial	0.8824	0.0294	0.8824	0.4156	0.0930
naticusdroid	0.9639	0.0361	0.9639	0.9277	0.2087
nci9	0.3333	0.1481	0.3333	0.2258	0.1169
ncRNA10%	0.9179	0.0086	0.9179	0.7589	0.2256
newspop	0.5320	0.4680	0.5320	-0.0005	0.5284
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9492	0.0508	0.9492	0.8760	0.3063
NPHA-doctor-visits	0.4028	0.3981	0.4028	0.0240	0.8264
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.8614	0.0277	0.8614	0.8404	0.1230
oh10-wc	0.7238	0.0552	0.7238	0.6803	0.2223
oh15-wc	0.7609	0.0478	0.7609	0.7250	0.2088
oh5-wc	0.7033	0.0593	0.7033	0.6600	0.2185
opn310k	0.9112	0.0888	0.9112	0.0476	0.2378
opnat310k-hg16-17	0.9109	0.0891	0.9109	0.0471	0.2505
optdigits	0.9573	0.0085	0.9573	0.9525	0.0616
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6500	0.0175	0.6500	0.6410	0.0631
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9762	0.0095	0.9762	0.8545	0.0635

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8875	0.1125	0.8875	0.7231	0.5168
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5155	0.4845	0.5155	-0.0792	0.9773
pd	0.8947	0.1053	0.8947	0.6863	0.3954
pediatric-leukemia	0.7941	0.0588	0.7941	0.7433	0.1549
pendigits	0.9909	0.0018	0.9909	0.9899	0.0161
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8041	0.1959	0.8041	0.5436	0.6666
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9597
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6368	0.6094
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9878	0.0122	0.9878	0.9744	0.0960
phoneme	0.8111	0.1889	0.8111	0.5914	0.6109
phy	0.6328	0.3672	0.6328	0.2677	0.7770
pima	0.7368	0.2632	0.7368	0.4154	0.7389
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.9012	0.0198	0.9012	0.8169	0.0901
polish-1st	0.9687	0.0313	0.9687	0.3425	0.2419
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9476	0.0524	0.9476	-0.0087	0.4454
polish-4th	0.9551	0.0449	0.9551	0.4010	0.4510
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6432	0.3568	0.6432	0.0107	0.5529
popularity	0.6305	0.2463	0.6305	0.0009	0.3277
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9625	0.0150	0.9625	0.9531	0.0670
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8487
primary-tumor	0.4545	0.0496	0.4545	0.3914	0.2194
profb	0.7761	0.2239	0.7761	0.4611	0.7218
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9800	0.0080	0.9800	0.9731	0.0451
pufs-6410%	0.4985	0.5015	0.4985	-0.0031	0.9991
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.7600	0.0369	0.7600	0.6760	0.1966
re1-wc	0.7892	0.0169	0.7892	0.7553	0.1405
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9834	0.0178
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9985	0.0002	0.9985	0.9963	0.0029
satimage	0.8880	0.0373	0.8880	0.8620	0.1694
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9129	0.0871	0.9129	0.5680	0.6004
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9231	0.0769	0.9231	-0.0218	0.5944
secondary_mushroom	0.6402	0.3598	0.6402	0.3252	0.5329
segment	0.9697	0.0087	0.9697	0.9646	0.0374
segmentO	0.9913	0.0087	0.9913	0.9647	0.0385

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sensorless	0.9974	0.0005	0.9974	0.9972	0.0058
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8727	0.1273	0.8727	0.5715	0.6239
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9708	0.0292	0.9708	0.7171	0.2170
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9999	0.0001	0.9999	0.9996	0.0020
smk_can_187	0.5789	0.4211	0.5789	0.1556	0.9466
solar-flare	0.7842	0.0719	0.7842	0.7244	0.1869
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9130	0.0870	0.9130	0.8161	0.3887
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8857	0.1143	0.8857	0.6818	0.2781
spectrometer	0.5472	0.0189	0.5472	0.5200	0.1296
splice-EI	0.9558	0.0442	0.9558	0.8800	0.2532
splice-IE	0.9211	0.0789	0.9211	0.7678	0.3777
sport-articles	0.7900	0.2100	0.7900	0.5520	0.6977
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8667	0.1333	0.8667	0.5110	0.4803
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8898	0.0734	0.8898	0.8213	0.2492
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.7077	0.2923	0.7077	0.2142	0.5739
steel-p	0.9231	0.0769	0.9231	0.4046	0.5933
steel-s	0.9846	0.0154	0.9846	0.7617	0.0555
steel-z	0.9795	0.0205	0.9795	0.8776	0.2019
studentap	0.5385	0.3077	0.5385	0.2778	0.6502
student-weekend	0.3846	0.2462	0.3846	0.0884	0.6148
student-workday	0.7344	0.1062	0.7344	0.1726	0.2018
susy10%	0.7572	0.2428	0.7572	0.5059	0.7308
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9727	0.0050	0.9727	0.9699	0.0387
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9684	0.0316	0.9684	0.9276	0.1262
tis	0.8721	0.1279	0.8721	0.6426	0.5626
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.5882	0.2059	0.5882	0.4465	0.3508
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.0540	0.9098
trec11-wc	0.8537	0.0325	0.8537	0.8141	0.0883
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6504	0.1966
trec23-wc	0.9048	0.0317	0.9048	0.8720	0.1218
trec31-wc	0.9462	0.0154	0.9462	0.9277	0.0764
trec41-wc	0.8977	0.0205	0.8977	0.8735	0.0915
trec45-wc	0.8841	0.0232	0.8841	0.8636	0.0800
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.9000	0.0500	0.9000	0.8667	0.1440
tvnews	0.8441	0.1559	0.8441	0.6559	0.5792
urban	0.8060	0.0431	0.8060	0.7716	0.1664
vehicle	0.8452	0.0774	0.8452	0.7888	0.1721
vehicleVAN	0.9405	0.0595	0.9405	0.8387	0.3402
voice	0.6667	0.3333	0.6667	0.2500	0.8750
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5657	0.0790	0.5657	0.5222	0.2332
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.7692	0.0231	0.7692	0.7380	0.1348
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9345	0.0187	0.9345	0.9234	0.0404
watch-gyr10%	0.9286	0.0204	0.9286	0.9166	0.0397
waveform	0.7660	0.1560	0.7660	0.6490	0.4736
web-phishing	0.8815	0.0790	0.8815	0.7916	0.3506
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0033
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0255
wilt	0.9876	0.0124	0.9876	0.8508	0.0472
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5472	0.1509	0.5472	0.2672	0.5259
winequality-white	0.4888	0.1461	0.4888	0.1687	0.5069
winnipeg	0.9913	0.0025	0.9913	0.9890	0.0211
yale	0.6250	0.0500	0.6250	0.5966	0.0925
yeast	0.5000	0.1000	0.5000	0.3539	0.3463
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9344	0.0131	0.9344	0.9265	0.1024
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 159: Detailed results for AdaC1(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0791	0.0635	0.0791	0.0368	0.5565
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9726	0.0274	0.9726	0.6540	0.0876
accelerometer	0.9834	0.0166	0.9834	0.1291	0.0577
ads	0.9695	0.0305	0.9695	0.8663	0.2126
adult	0.8632	0.1368	0.8632	0.5837	0.5636
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.8641	0.1359	0.8641	-0.0729	0.6742
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7619	0.2381	0.7619	-0.0371	0.8340
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7027	0.2973	0.7027	0.3898	0.8195
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.8586	0.0943	0.8586	-0.0267	0.5504
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6176	0.5221
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9492	0.0545
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9764	0.0059	0.9764	0.9605	0.0340
anuran-species	0.9792	0.0042	0.9792	0.9710	0.0382
aps-failure	0.9880	0.0120	0.9880	0.5035	0.0850
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7778	0.0342	0.7778	0.6262	0.1783
auction	0.9853	0.0147	0.9853	0.9305	0.0577
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8088	0.0319	0.8088	0.7363	0.0888
balance	0.8387	0.1075	0.8387	0.7140	0.2568
bank	0.9102	0.0898	0.9102	0.5792	0.5966
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8295	0.1705	0.8295	0.5950	0.4660
basehock	0.9849	0.0151	0.9849	0.9698	0.1051
bio	0.9966	0.0034	0.9966	0.7690	0.1206
biodeg	0.8857	0.1143	0.8857	0.7600	0.4858
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9858	0.0010	0.9858	0.0000	0.0117
block10%	0.9999	0.0001	0.9999	0.9879	0.0006
block10%	0.9999	0.0001	0.9999	0.9879	0.0006
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0635
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9107	0.0893	0.9107	0.0417	0.2509
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9885	0.0057	0.9885	0.9750	0.0198
card	0.8841	0.1159	0.8841	0.7598	0.4723
cardiotocography	0.8357	0.0329	0.8357	0.8008	0.1666
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8236	0.1955
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.5866	0.3501
cas_N6512_cdk_ECFP2	0.5607	0.4393	0.5607	0.0546	0.6574
cdc_diabetes	0.8481	0.1013	0.8481	0.1778	0.3127
census10%	0.9499	0.0501	0.9499	0.3247	0.3283
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.7882	0.0783
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9997	0.0003	0.9997	0.8366	0.3402
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6071	0.6470
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.7368	0.2632	0.7368	0.4254	0.7798
cirrhosis	0.7619	0.1587	0.7619	0.5070	0.3634
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8296	0.0852	0.8296	0.7319	0.3458
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5374	0.3084	0.5374	0.2715	0.6893
cnae-9	0.9074	0.0206	0.9074	0.8958	0.0925
codon_usage	0.7859	0.0389	0.7859	0.7356	0.2242
coil20	0.9861	0.0014	0.9861	0.9854	0.0100
collins	0.9400	0.0080	0.9400	0.9341	0.0261
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.0963	0.9266
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.6897	0.3103	0.6897	0.3359	0.8266
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3680	0.6869
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9867	0.0089	0.9867	0.5884	0.0278
cottonmeloidogyne	0.6322	0.3678	0.6322	0.2685	0.7218
coupon	0.7319	0.2681	0.7319	0.4532	0.7811
covtype	0.7069	0.0837	0.7069	0.5211	0.2924
covtypeCD	0.9896	0.0104	0.9896	0.9550	0.0983
covtypeT	0.9816	0.0184	0.9816	0.8569	0.2886
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.9078	0.0307	0.9078	0.8072	0.2092
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3750	0.0312	0.3750	0.3587	0.1004
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7407	0.2593	0.7407	0.4383	0.6625
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8270	0.1730	0.8270	0.3937	0.6320
deposit	0.8927	0.1073	0.8927	0.5071	0.6359
dermatology	0.9730	0.0090	0.9730	0.9663	0.0307
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9167	0.0833	0.9167	0.8333	0.2846
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6129	0.3731
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5403	0.3065	0.5403	0.0030	0.3420
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	-0.0154	0.9600
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5849	0.4151	0.5849	0.1703	0.9394
dropout	0.7269	0.1821	0.7269	0.5182	0.4377
drug-01	0.2074	0.2264	0.2074	0.0421	0.7996
drug-02	0.5106	0.1398	0.5106	0.1089	0.5217
drug-03	0.6702	0.0942	0.6702	-0.0186	0.3448
drug-04	0.4840	0.1474	0.4840	0.0581	0.7329
drug-05	0.7181	0.0805	0.7181	-0.0081	0.3315
drug-06	0.3883	0.1748	0.3883	0.2212	0.6146
drug-07	0.1968	0.2295	0.1968	0.0096	0.7582
drug-08	0.5266	0.1353	0.5266	0.1012	0.6476
drug-09	0.8564	0.0410	0.8564	-0.0148	0.2152
drug-10	0.5266	0.1353	0.5266	0.0922	0.6669
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6170	0.1094	0.6170	0.2526	0.3491
drug-14	0.5745	0.1216	0.5745	0.2537	0.5790
drug-15	0.7181	0.0805	0.7181	0.1389	0.6354
drug-16	0.5745	0.1216	0.5745	0.2612	0.4461
drug-17	0.2926	0.2021	0.2926	0.0753	0.8124
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0152	0.1593
drybean	0.9258	0.0212	0.9258	0.9101	0.1137
ecoli	0.8235	0.0441	0.8235	0.7527	0.1400
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1358	0.1080	0.1358	0.1122	0.5552
eeg-eye	0.5955	0.4045	0.5955	0.1099	0.5571
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.5063	0.7302
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	-0.0252	0.6347
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6617	0.5586
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.2439	0.6242
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6142	0.5398
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.7123	0.1151	0.7123	0.6254	0.3205
euthyroid	0.9652	0.0348	0.9652	0.7880	0.3094
exon.vs.intron-freq	0.9430	0.0570	0.9430	0.8857	0.2925
fbis-wc	0.8577	0.0167	0.8577	0.8382	0.1057
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6078	0.1844
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5925	0.0055	0.5921	0.5684	0.2505
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9842	0.0053	0.9842	0.9808	0.0326
gastrointestinal	0.8125	0.1250	0.8125	0.7055	0.3694
gender	0.5853	0.2765	0.5853	0.0002	0.3774
gene	0.9432	0.0379	0.9432	0.9090	0.1666
german	0.7400	0.2600	0.7400	0.3612	0.7202
gina	0.8617	0.1383	0.8617	0.7227	0.5197
glass	0.8095	0.0635	0.8095	0.7423	0.2203
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8571	0.1429	0.8571	0.6400	0.3261
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3636	0.4904
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9158	0.0140	0.9158	0.9004	0.0727
har70	0.8725	0.0344	0.8729	0.8241	0.1252
harth10%	0.8443	0.0259	0.8443	0.7863	0.1684
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7647	0.2353	0.7647	0.5143	0.7332
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.9000	0.1000	0.9000	0.7964	0.3038
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8105	0.1895	0.8105	0.6206	0.6061
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5502	0.4498	0.5502	0.0476	0.5850
higher	0.4286	0.1429	0.4286	0.3293	0.2295
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8870	0.1130	0.8870	0.5278	0.5254
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.6667	0.2222	0.6667	0.4000	0.5440
htru2	0.9821	0.0179	0.9821	0.8870	0.1772
ht-sensor	0.6591	0.2273	0.6591	0.4997	0.3895
hypothyroid	0.9894	0.0053	0.9894	0.9331	0.0189
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136
ilpd	0.6780	0.3220	0.6780	-0.0163	0.8299
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6662	0.0257	0.6662	0.6529	0.2462
jm1	0.8136	0.1864	0.8136	0.2192	0.6826
fvowels	0.9127	0.0194	0.9127	0.9009	0.0981
kc1	0.8673	0.1327	0.8673	0.2854	0.4739
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1250	0.1818
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9105	0.0099	0.9105	0.9001	0.1249
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7651	0.0783	0.7651	0.6938	0.2113
la2s-wc	0.7417	0.0861	0.7417	0.6597	0.2372
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6298	0.0789
led24	0.6000	0.0800	0.6000	0.5480	0.1698
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9320	0.0052	0.9320	0.9293	0.0723
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6944	0.0407	0.6944	0.6719	0.1389
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.5588	0.4412	0.5588	0.1356	0.8674
localization	0.5019	0.0906	0.5019	0.3093	0.5108
lrs	0.7925	0.0415	0.7925	0.7173	0.1224
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.6667	0.0741	0.6667	0.5000	0.1309
madelon	0.5423	0.4577	0.5423	0.0846	0.9630
magic04	0.8122	0.1878	0.8122	0.5847	0.6617

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5839	0.6742
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.6174	0.3826	0.6174	0.2782	0.7403
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0565
mfeat-fou	0.7700	0.0460	0.7700	0.7444	0.2074
mfeat-kar	0.9150	0.0170	0.9150	0.9056	0.0994
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.2109
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0311
mfeat-zer	0.7500	0.0500	0.7500	0.7222	0.1853
mice-prot	0.9815	0.0046	0.9815	0.9788	0.0235
mines	0.4412	0.2235	0.4412	0.2978	0.5465
mobile	0.7727	0.0081	0.7727	0.7686	0.1062
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8879	0.1121	0.8879	0.3970	0.3007
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.6634
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.6965
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.6892	0.3108	0.6892	0.3895	0.7906
MUT_ci300400a_cdk_ECFP2	0.5899	0.4101	0.5899	0.0210	0.5291
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9669	0.0331	0.9669	0.9339	0.1949
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.9035	0.0102	0.9035	0.7410	0.4089
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9565	0.0435	0.9565	0.8942	0.2785
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0227	0.8006
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.0963
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9010	0.0198	0.9010	0.8868	0.0972
oh10-wc	0.7810	0.0438	0.7810	0.7516	0.2312
oh15-wc	0.8261	0.0348	0.8261	0.8024	0.1593
oh5-wc	0.7802	0.0440	0.7802	0.7527	0.2185
opn310k	0.9108	0.0892	0.9108	0.0387	0.2319
opnat310k-hg16-17	0.9108	0.0892	0.9108	0.0469	0.2563
optdigits	0.9680	0.0064	0.9680	0.9644	0.0462
optdigitsZ	0.9929	0.0071	0.9929	0.9545	0.0312
orl	0.6500	0.0175	0.6500	0.6410	0.0683
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.0821	0.3855
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8600	0.1539

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.6885	0.2605
particle	0.8882	0.1118	0.8882	0.7235	0.5139
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5773	0.4227	0.5773	0.0138	0.7818
pd	0.8947	0.1053	0.8947	0.7091	0.4943
pediatric-leukemia	0.8529	0.0420	0.8529	0.8191	0.1097
pendigits	0.9882	0.0024	0.9882	0.9868	0.0217
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8196	0.1804	0.8196	0.5844	0.6407
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6999	0.5365
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9878	0.0122	0.9878	0.9744	0.0960
phoneme	0.8056	0.1944	0.8056	0.5772	0.6283
phy	0.6360	0.3640	0.6360	0.2740	0.7771
pima	0.7500	0.2500	0.7500	0.4412	0.6999
plx	0.5000	0.5000	0.5000	-0.1739	0.9401
poker	0.8995	0.0201	0.8995	0.8141	0.0974
polish-1st	0.9716	0.0284	0.9716	0.4617	0.3058
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9457	0.0543	0.9457	-0.0118	0.5026
polish-4th	0.9592	0.0408	0.9592	0.4419	0.3694
polish-5th	0.9526	0.0474	0.9526	0.4968	0.2932
polya	0.6454	0.3546	0.6454	0.0150	0.5210
popularity	0.6318	0.2455	0.6318	0.0024	0.3068
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.9187	0.0325	0.9187	0.8983	0.1462
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7673
primary-tumor	0.4242	0.0523	0.4242	0.3615	0.2253
profb	0.7164	0.2836	0.7164	0.3787	0.8069
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9576	0.0170	0.9576	0.9429	0.0717
pufs-6410%	0.4998	0.5002	0.4998	-0.0003	1.0000
raisin	0.8667	0.1333	0.8667	0.7333	0.4667
re0-wc	0.7467	0.0390	0.7467	0.6542	0.2837
re1-wc	0.8554	0.0116	0.8554	0.8353	0.1179
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9988	0.0002	0.9988	0.9969	0.0023
satimage	0.8896	0.0368	0.8896	0.8639	0.1685
satimageF	0.9907	0.0093	0.9907	0.9513	0.1170
satimageT	0.9222	0.0778	0.9222	0.5601	0.5742
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6391	0.3609	0.6391	0.3232	0.5332
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	0.9784	0.0216	0.9784	0.9082	0.0792

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9978	0.0004	0.9978	0.9976	0.0049
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8808	0.1192	0.8808	0.5863	0.6160
shuttle	0.9998	0.0000	0.9998	0.9995	0.0004
sick	0.9761	0.0239	0.9761	0.7685	0.0796
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9999	0.0001	0.9999	0.9998	0.0024
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7194	0.0935	0.7194	0.6407	0.2481
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9152	0.0848	0.9152	0.8208	0.3832
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4717	0.0220	0.4717	0.4438	0.1450
splice-EI	0.9685	0.0315	0.9685	0.9150	0.1989
splice-IE	0.9274	0.0726	0.9274	0.7925	0.3865
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8821	0.1179	0.8821	0.5811	0.4523
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8850	0.0767	0.8850	0.8138	0.2533
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7179	0.2821	0.7179	0.2542	0.6039
steel-p	0.9282	0.0718	0.9282	0.3829	0.5270
steel-s	0.9795	0.0205	0.9795	0.7039	0.3276
steel-z	0.9744	0.0256	0.9744	0.8432	0.2195
studentap	0.4615	0.3590	0.4615	0.1574	0.5990
student-weekend	0.4154	0.2338	0.4154	0.1590	0.5789
student-workday	0.7500	0.1000	0.7500	0.2213	0.1906
susy10%	0.7585	0.2415	0.7585	0.5085	0.7286
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6796
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9800	0.0036	0.9800	0.9779	0.0292
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8721	0.1279	0.8721	0.6426	0.5626
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8426	0.1448
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.0234	0.9014
trec11-wc	0.9024	0.0217	0.9024	0.8809	0.0926
trec12-wc	0.9355	0.0161	0.9355	0.9219	0.0418

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7067	0.0718
trec23-wc	0.9048	0.0317	0.9048	0.8650	0.0869
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9659	0.0068	0.9659	0.9584	0.0350
trec45-wc	0.9275	0.0145	0.9275	0.9154	0.0592
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8000	0.1000	0.8000	0.7333	0.2501
tvnews	0.8455	0.1545	0.8455	0.6581	0.5735
urban	0.8358	0.0365	0.8358	0.8076	0.1544
vehicle	0.8214	0.0893	0.8214	0.7575	0.1927
vehicleVAN	0.9524	0.0476	0.9524	0.8730	0.3040
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5859	0.0753	0.5859	0.5444	0.2167
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9087	0.0913	0.9087	0.0027	0.2547
wap-wc	0.8333	0.0167	0.8333	0.8133	0.1214
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0992
warppie10p	0.9048	0.0190	0.9048	0.8939	0.0371
watch-acc10%	0.9931	0.0020	0.9931	0.9919	0.0141
watch-gyr10%	0.9216	0.0224	0.9216	0.9085	0.0815
waveform	0.7740	0.1507	0.7740	0.6609	0.4519
web-phishing	0.8815	0.0790	0.8815	0.7931	0.3402
weight-lift	0.7185	0.1126	0.7185	0.6389	0.2306
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9896	0.0104	0.9896	0.8835	0.1561
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5535	0.1488	0.5535	0.3015	0.4338
winequality-white	0.3374	0.1893	0.3374	0.1730	0.6077
winnipeg	0.9981	0.0025	0.9790	0.9944	0.0210
yale	0.4375	0.0750	0.4375	0.4000	0.1329
yeast	0.5541	0.0892	0.5541	0.4185	0.3929
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.8882	0.0224	0.8882	0.8746	0.1325
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 160: Detailed results for AdaC3(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0767	0.0637	0.0767	0.0345	0.5868
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8493	0.1507	0.8493	0.2026	0.5343
accelerometer	0.5533	0.4467	0.5533	0.0397	0.1043
ads	0.1494	0.8506	0.1494	0.0030	0.3092
adult	0.2883	0.7117	0.2883	0.0331	0.4419
AID1284Morered	0.6389	0.3611	0.6389	0.2778	0.4652
AID1284red	0.5278	0.4722	0.5278	0.1257	0.5303
AID_1431	0.3254	0.6746	0.3254	0.0405	0.3065
AID1608Morered	0.1942	0.8058	0.1942	-0.0208	0.2766
AID1608red	0.3495	0.6505	0.3495	0.0251	0.2450
AID_1878	0.2381	0.7619	0.2381	0.0111	0.4472
AID362red	0.5350	0.4650	0.5350	0.0212	0.0883
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.7329	0.2671	0.7329	0.0042	0.0111
AID439Morered	0.4286	0.5714	0.4286	-0.2727	0.6435
AID439red	0.4286	0.5714	0.4286	-0.2727	0.6435
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.4054	0.5946	0.4054	0.0000	0.5250
AID_602330	0.2083	0.7917	0.2083	-0.0066	0.1794
AID604	0.2505	0.7495	0.2505	0.0023	0.0135
AID604AID644_AllRed	0.9988	0.0012	0.9988	0.2217	0.4869
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.4646	0.3569	0.4646	-0.0498	0.4416
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.3054	0.6946	0.3054	0.0000	0.0179
AID688red	0.1199	0.8801	0.1199	-0.0001	0.0375
AID721morered	0.4444	0.5556	0.4444	0.1509	0.4711
AID721red	0.6667	0.3333	0.6667	0.3721	0.5239
AID746AID1284red	0.7679	0.2321	0.7679	0.0009	0.0126
AID746red	0.2610	0.7390	0.2610	0.0019	0.0285
AID_773	0.3704	0.6296	0.3704	0.0000	0.4518
AID852_MACCS	0.8923	0.1077	0.8923	0.7165	0.5280
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9374	0.0313	0.9374	0.8844	0.1212
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9764	0.0059	0.9764	0.9609	0.0852
anuran-species	0.9764	0.0047	0.9764	0.9671	0.0395
aps-failure	0.2158	0.7842	0.2158	0.0084	0.0643
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.5778	0.0650	0.5778	0.4219	0.2247
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6087	0.0326	0.6087	0.5285	0.1339
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.7849	0.0359	0.7849	0.7364	0.0826
balance	0.6935	0.2043	0.6935	0.5504	0.3224
bank	0.2156	0.7844	0.2156	0.0287	0.2830
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.3963	0.6037	0.3963	0.0378	0.5449
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
bio	0.3729	0.6271	0.3729	0.0100	0.0399
biodeg	0.5905	0.4095	0.5905	0.2747	0.6026
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.2834	0.0494	0.2834	0.0199	0.1477
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.3571	0.6429	0.3571	0.0156	0.6758
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bub10at310k-hg16-17	0.9106	0.0894	0.9106	0.0383	0.2451
bze_3d_rdkit_descriptors	0.6585	0.3415	0.6585	0.2878	0.7000
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.3333	0.5283
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.6522	0.3478	0.6522	0.3480	0.6786
cardiotocography	0.8075	0.0385	0.8075	0.7717	0.2055
cardiotocography-nsp	0.7934	0.1377	0.7934	0.5716	0.3939
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6617	0.4005
cas_N6512_cdk_ECFP2	0.4839	0.5161	0.4839	0.0382	0.5866
cdc_diabetes	0.1038	0.5975	0.1038	0.0140	0.2367
census10%	0.3219	0.6781	0.3219	0.0434	0.2022
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.5698	0.4302	0.5698	0.0410	0.3349
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9186	0.0814	0.9186	0.5432	0.6013
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.5000	0.5000	0.5000	0.2000	0.5000
chrom19	0.9927	0.0073	0.9927	0.1975	0.2616
ci100410h_MACCS	0.3438	0.6562	0.3438	0.0289	0.5977
ci200186.atompair_fp	0.5818	0.4182	0.5818	0.2624	0.6452
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7357	0.4825
ci200186m_ExtendedFingerprinter	0.7636	0.2364	0.7636	0.5249	0.6842
ci900367j_MACCS	0.4211	0.5789	0.4211	0.0522	0.5229
cirrhosis	0.7143	0.1905	0.7143	0.4930	0.5668
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7352	0.1324	0.7352	0.6241	0.4611
climate	0.9074	0.0926	0.9074	0.3946	0.6420
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.6200	0.3800	0.6200	0.0952	0.5178
cmc	0.3741	0.4172	0.3741	0.1374	0.5877
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0807
codon_usage	0.6232	0.0685	0.6232	0.5634	0.2787
coil20	0.9722	0.0028	0.9722	0.9708	0.0169
collins	0.9600	0.0053	0.9600	0.9561	0.0267
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	0.2129	0.7061
colposcopies-2	0.3793	0.6207	0.3793	-0.0567	0.8345
colposcopies-3	0.6552	0.3448	0.6552	0.3224	0.8322
colposcopies-4	0.4483	0.5517	0.4483	-0.0545	0.8632

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.5862	0.4138	0.5862	0.1907	0.6125
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.4138	0.5862	0.4138	0.0199	0.7262
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.9032	0.0645	0.9032	0.8458	0.1621
connect-4	0.9846	0.0103	0.9846	0.7345	0.4206
cottonmeloidogyne	0.6346	0.3654	0.6346	0.2737	0.6633
coupon	0.4598	0.5402	0.4598	0.0434	0.5302
covtype	0.7357	0.0755	0.7357	0.5718	0.3006
covtypeCD	0.6069	0.3931	0.6069	0.2443	0.4568
covtypeT	0.5891	0.4109	0.5891	0.1501	0.3151
cox2_cdk_ECFP2	0.2391	0.7609	0.2391	0.0219	0.3953
crowdsourced	0.6728	0.1091	0.6728	0.4859	0.5730
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.3125	0.0344	0.3125	0.2918	0.1267
cyclopentane	0.6667	0.3333	0.6667	0.3520	0.7865
cylinder-bands	0.4444	0.5556	0.4444	0.0276	0.5294
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.2220	0.7780	0.2220	0.0006	0.4139
deposit	0.1190	0.8810	0.1190	0.0005	0.2685
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4419	0.3309
dexter	0.9500	0.0500	0.9500	0.9000	0.2614
dhfr_cdk_ECFP2	0.5000	0.5000	0.5000	0.1425	0.5300
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.3487	0.4342	0.3487	0.0000	0.3584
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6667	0.3333	0.6667	0.3333	0.8453
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.4730	0.5270	0.4730	0.0004	0.5382
dropout	0.1806	0.5463	0.1806	-0.0020	0.4524
drug-01	0.0851	0.2614	0.0851	0.0172	0.6898
drug-02	0.1543	0.2416	0.1543	0.0759	0.6213
drug-03	0.1543	0.2416	0.1543	0.0545	0.5336
drug-04	0.1064	0.2553	0.1064	0.0410	0.6454
drug-05	0.1277	0.2492	0.1277	-0.0015	0.6140
drug-06	0.1649	0.2386	0.1649	0.0806	0.5243
drug-07	0.1277	0.2492	0.1277	-0.0046	0.5697
drug-08	0.1436	0.2447	0.1436	0.0732	0.6070
drug-09	0.5213	0.1368	0.5213	0.0008	0.3973
drug-10	0.1117	0.2538	0.1117	0.0403	0.6196
drug-11	0.4362	0.1611	0.4362	0.0710	0.6182
drug-12	0.2500	0.2143	0.2500	0.0410	0.6540
drug-13	0.1436	0.2447	0.1436	0.0294	0.6702
drug-14	0.1170	0.2523	0.1170	0.0323	0.5473
drug-15	0.2872	0.2036	0.2872	0.1068	0.6250
drug-16	0.1489	0.2432	0.1489	0.0536	0.4723
drug-17	0.0957	0.2584	0.0957	0.0240	0.5931
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.0851	0.2614	0.0851	-0.0132	0.5953
drybean	0.8288	0.0489	0.8288	0.7952	0.1929
ecoli	0.7647	0.0588	0.7647	0.6746	0.1720
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1212	0.1098	0.1212	0.0986	0.5353
eeg-eye	0.5027	0.4973	0.5027	0.0875	0.5499
EPA_FHM	0.9180	0.0820	0.9180	0.2432	0.6536
er_lit_cdk_ECFP2	0.5385	0.4615	0.5385	0.2041	0.5306
er_tox_cdk_ECFP2	0.4333	0.5667	0.4333	0.0786	0.6396
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.2802	0.5153
er_tox_rdkit_AVALON	0.8361	0.1639	0.8361	0.5300	0.5302
er_tox_rdkit_descriptors	0.7213	0.2787	0.7213	0.4510	0.7040
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.8710	0.1290	0.8710	0.6161	0.5772
er_tox_rdkit_MACCS	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_MORGAN	0.8548	0.1452	0.8548	0.3497	0.4422
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9626	0.1355
er_tox_rdkit_RDKITFP	0.7213	0.2787	0.7213	0.4463	0.6650
er_tox_rdkit_TORSION	0.9032	0.0968	0.9032	0.4609	0.5000
eucalyptus	0.5753	0.1699	0.5753	0.4793	0.3631
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.8866	0.1134	0.8866	0.7749	0.3924
fbis-wc	0.7439	0.0301	0.7439	0.7136	0.1478
fda.atompair_fp	0.3182	0.6818	0.3182	0.0351	0.4711
fertility	0.0000	1.0000	0.0000	-0.2195	0.4690
flags	0.4500	0.1375	0.4500	0.3189	0.3442
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5860	0.0054	0.5860	0.5608	0.2482
forest	0.8654	0.0673	0.8654	0.8133	0.1624
gas	0.9907	0.0031	0.9907	0.9887	0.0243
gastrointestinal	0.6875	0.2083	0.6875	0.5266	0.4186
gender	0.0842	0.6105	0.0842	0.0032	0.4030
gene	0.9274	0.0484	0.9274	0.8839	0.1941
german	0.3500	0.6500	0.3500	0.0000	0.5077
gina	0.8012	0.1988	0.8012	0.6040	0.6036
glass	0.7143	0.0952	0.7143	0.6228	0.1946
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.6667	0.3333	0.6667	0.3636	0.7218
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.6190	0.3810	0.6190	0.3018	0.6133
green	0.6000	0.4000	0.6000	0.3103	0.5288
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.2663	0.3985
haberman	0.2667	0.7333	0.2667	-0.0443	0.6446
hapt	0.9442	0.0093	0.9442	0.9341	0.0570
har70	0.2947	0.2015	0.2947	0.2486	0.2371
harth10%	0.1569	0.1405	0.1569	0.1161	0.4973
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8148	0.1852	0.8148	0.6322	0.5905
heart-c	0.8667	0.1333	0.8667	0.7345	0.4958
hepatitis	0.8667	0.1333	0.8667	0.6667	0.5000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8134	0.1866	0.8134	0.6274	0.5571
hERG-121inputs	0.7143	0.2857	0.7143	0.4615	0.5283
hERG-64inputs	0.4286	0.5714	0.4286	-0.0769	0.8750
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.1250	0.9054
higgs10%	0.4705	0.5295	0.4705	0.0000	0.5306
higher	0.1429	0.2143	0.1429	0.0455	0.3516
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.4266	0.5734	0.4266	0.1233	0.4567
hiva	0.2813	0.7187	0.2813	0.0059	0.1568
horse	0.4722	0.3519	0.4722	0.1934	0.6926
htru2	0.4855	0.5145	0.4855	0.1203	0.3320
ht-sensor	0.6554	0.2297	0.6554	0.4947	0.3808
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.4407	0.5593	0.4407	0.1358	0.5032
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8652	0.0104	0.8652	0.8598	0.1114
jm1	0.1938	0.8062	0.1938	0.0000	0.3824
fvowels	0.9719	0.0062	0.9719	0.9681	0.0481
kc1	0.1564	0.8436	0.1564	0.0000	0.3319
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.2308	0.7692	0.2308	0.0105	0.4079
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9301	0.0078	0.9301	0.9221	0.1011
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7556	0.0815	0.7556	0.7035	0.2834
la2s-wc	0.7682	0.0773	0.7682	0.7175	0.2943
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6311	0.0553
led24	0.6500	0.0700	0.6500	0.6011	0.1889
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9380	0.0048	0.9380	0.9355	0.0709
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7015	0.1207
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.3529	0.6471	0.3529	0.0286	0.5000
localization	0.0221	0.1778	0.0221	0.0106	0.5040
lrs	0.7736	0.0453	0.7736	0.6870	0.1681
lsvt	0.9231	0.0769	0.9231	0.8060	0.2236
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.0587
madelon	0.5192	0.4808	0.5192	0.0385	0.9765
magic04	0.3567	0.6433	0.3567	0.0057	0.5091

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6771	0.3229	0.6771	0.3722	0.6786
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6607	0.3590
messidor	0.5565	0.4435	0.5565	0.1860	0.6578
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0479
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1493
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0668
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2054
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0436
mfeat-zer	0.7450	0.0510	0.7450	0.7167	0.1971
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3724	0.5152
mobile	0.8427	0.0056	0.8427	0.8398	0.0720
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.4470	0.5530	0.4470	0.1405	0.4109
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.5147	0.4853	0.5147	0.0294	0.6675
mutagen_class_3	0.4348	0.5652	0.4348	-0.1388	1.0000
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.8608
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2627	0.8507
MUT_ci300400a	0.4286	0.5714	0.4286	0.0031	0.5478
MUT_ci300400a_cdk_ECFP2	0.4173	0.5827	0.4173	0.0000	0.5272
myocardial	0.7765	0.0559	0.7765	0.2400	0.4530
naticusdroid	0.9615	0.0385	0.9615	0.9229	0.2184
nci9	0.3333	0.1481	0.3333	0.2500	0.0729
ncRNA10%	0.4319	0.0598	0.4319	0.2016	0.4937
newspop	0.4692	0.5308	0.4692	0.0027	0.5307
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.3166	0.6834	0.3166	0.0246	0.4854
NPHA-doctor-visits	0.2639	0.4907	0.2639	0.0827	0.4755
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9625	0.0375	0.9625	0.9003	0.2802
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9109	0.0178	0.9109	0.8984	0.0937
oh10-wc	0.7429	0.0514	0.7429	0.7106	0.2134
oh15-wc	0.8478	0.0304	0.8478	0.8283	0.1521
oh5-wc	0.7692	0.0462	0.7692	0.7400	0.2199
opn310k	0.1176	0.8824	0.1176	0.0051	0.2265
opnat310k-hg16-17	0.1176	0.8824	0.1176	0.0051	0.2267
optdigits	0.9609	0.0078	0.9609	0.9565	0.0552
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6750	0.0163	0.6750	0.6667	0.0596
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.7510	0.2490	0.7510	0.1697	0.2820
ozone8hr	0.5138	0.4862	0.5138	0.1085	0.3175
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8521	0.2315

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.2928	0.7072	0.2928	0.0095	0.4699
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.5766	0.4234	0.5766	0.1466	0.3153
pcmac	0.4227	0.5773	0.4227	0.0074	0.5276
pd	0.6711	0.3289	0.6711	0.3590	0.6489
pediatric-leukemia	0.7353	0.0756	0.7353	0.6779	0.2536
pendigits	0.9854	0.0029	0.9854	0.9838	0.0249
period	0.3333	0.6667	0.3333	-0.1250	0.8750
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.3866	0.6134	0.3866	0.0391	0.5977
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9418
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8095	0.1905	0.8095	0.6258	0.4889
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.5500	0.4500	0.5500	0.1176	0.9262
phishing	0.9918	0.0082	0.9918	0.9829	0.0680
phoneme	0.4037	0.5963	0.4037	0.1026	0.4941
phy	0.6284	0.3716	0.6284	0.2592	0.7333
pima	0.5263	0.4737	0.5263	0.1719	0.6317
plx	0.5556	0.4444	0.5556	0.1910	0.7379
poker	0.7316	0.0537	0.7316	0.5620	0.4670
polish-1st	0.1607	0.8393	0.1607	-0.0013	0.1483
polish-2nd	0.1160	0.8840	0.1160	0.0007	0.1335
polish-3rd	0.1267	0.8733	0.1267	0.0027	0.1550
polish-4th	0.1082	0.8918	0.1082	0.0065	0.1450
polish-5th	0.1777	0.8223	0.1777	0.0041	0.2331
polya	0.4108	0.5892	0.4108	0.0568	0.5632
popularity	0.6315	0.2456	0.6315	0.0019	0.3100
post-operative	0.1111	0.5926	0.1111	-0.1429	0.4584
postures	0.9410	0.0236	0.9410	0.9263	0.0932
pred-tox_mutagen_ref-desc	0.5588	0.4412	0.5588	0.1176	0.8809
primary-tumor	0.4242	0.0523	0.4242	0.3711	0.2107
profb	0.3582	0.6418	0.3582	0.0296	0.5025
promoters	0.7000	0.3000	0.7000	0.4000	0.7967
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.8096	0.0762	0.8096	0.7526	0.1930
pufs-6410%	0.5036	0.4964	0.5036	0.0071	0.9964
raisin	0.8556	0.1444	0.8556	0.7111	0.4841
re0-wc	0.6000	0.0615	0.6000	0.5311	0.2018
re1-wc	0.7711	0.0183	0.7711	0.7461	0.2163
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.4615	0.5385	0.4615	0.0752	0.5290
RT_IOT2022	0.9992	0.0001	0.9992	0.9980	0.0029
satimage	0.7356	0.0881	0.7356	0.6860	0.1914
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.6952	0.3048	0.6952	0.2827	0.4413
scadi	0.5714	0.1224	0.5714	0.4474	0.2036
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.3397	0.6603	0.3397	0.0193	0.2691
secondary_mushroom	0.6085	0.3915	0.6085	0.2708	0.5226
segment	0.9697	0.0087	0.9697	0.9646	0.0374
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.1512	0.8488	0.1512	0.0053	0.2070
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-2-gram	0.8684	0.1316	0.8684	0.0557	0.4398
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sensorless	0.9979	0.0004	0.9979	0.9977	0.0047
sepsis	0.1376	0.8624	0.1376	0.0096	0.2285
shoppers	0.1549	0.8451	0.1549	-0.0010	0.3380
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8472	0.2891
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9942	0.0058	0.9942	0.9826	0.0851
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.5971	0.1343	0.5971	0.5181	0.2898
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9412	0.0062	0.9412	0.9354	0.0353
spambase	0.7304	0.2696	0.7304	0.4939	0.5368
spect	0.3333	0.6667	0.3333	0.0690	0.4422
spectf	0.8286	0.1714	0.8286	0.6038	0.6382
spectrometer	0.4528	0.0228	0.4528	0.4237	0.1701
splice-EI	0.9558	0.0442	0.9558	0.8849	0.2995
splice-IE	0.9495	0.0505	0.9495	0.8652	0.3404
sport-articles	0.4100	0.5900	0.4100	0.0397	0.6090
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.5333	0.4667	0.5333	0.2255	0.4875
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.7406	0.1729	0.7406	0.5999	0.3527
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.4513	0.5487	0.4513	0.1109	0.5696
steel-p	0.7590	0.2410	0.7590	0.3155	0.4457
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.5385	0.3077	0.5385	0.3276	0.5233
student-weekend	0.2000	0.3200	0.2000	0.0376	0.7044
student-workday	0.3750	0.2500	0.3750	-0.0866	0.5549
susy10%	0.4580	0.5420	0.4580	-0.0000	0.5313
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6840
Tdp_desc	0.5833	0.4167	0.5833	0.1401	0.7616
texture	0.9709	0.0053	0.9709	0.9679	0.0418
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.2766	0.7234	0.2766	0.0111	0.4601
Thyroid_Diff	0.8947	0.1053	0.8947	0.7441	0.4906
tic-tac-toe	0.9789	0.0211	0.9789	0.9536	0.1529
tis	0.3328	0.6672	0.3328	0.0585	0.4687
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.6250	0.1250	0.6250	0.4894	0.1773
tox_171	0.6471	0.1765	0.6471	0.5278	0.2154
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.2533	0.7467	0.2533	0.0085	0.4360
trec11-wc	0.9024	0.0217	0.9024	0.8798	0.0548
trec12-wc	0.8710	0.0323	0.8710	0.8444	0.1174

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8830	0.1144
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9714	0.0406
trec41-wc	0.9432	0.0114	0.9432	0.9306	0.0625
trec45-wc	0.9275	0.0145	0.9275	0.9155	0.0489
tuandromd	0.9776	0.0224	0.9776	0.9332	0.2236
turkish	0.8500	0.0750	0.8500	0.8000	0.2282
tvnews	0.3681	0.6319	0.3681	0.0026	0.5142
urban	0.8209	0.0398	0.8209	0.7901	0.1673
vehicle	0.8214	0.0893	0.8214	0.7562	0.2232
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5051	0.0900	0.5051	0.4556	0.2609
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9091	0.0909	0.9091	0.0017	0.2194
wap-wc	0.8141	0.0186	0.8141	0.7932	0.1388
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9048	0.0190	0.9048	0.8937	0.0441
watch-acc10%	0.9279	0.0206	0.9279	0.9157	0.0411
watch-gyr10%	0.9020	0.0280	0.9020	0.8856	0.0467
waveform	0.7540	0.1640	0.7540	0.6310	0.4738
web-phishing	0.7778	0.1481	0.7778	0.6457	0.4080
weight-lift	0.9985	0.0006	0.9985	0.9981	0.0056
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9669	0.0331	0.9669	0.7334	0.5000
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.4591	0.1803	0.4591	0.2465	0.5836
winequality-white	0.1309	0.2483	0.1309	0.0375	0.5093
winnipeg	0.9913	0.0025	0.9913	0.9890	0.0211
yale	0.6875	0.0417	0.6875	0.6639	0.0737
yeast	0.4932	0.1014	0.4932	0.3486	0.4717
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9324	0.0676	0.9324	0.3399	0.6182
zip	0.9387	0.0123	0.9387	0.9313	0.0964
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 161: Detailed results for AdaC3(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1631	0.0577	0.1631	0.0920	0.3632
abalone19	0.9545	0.0455	0.9545	-0.0122	0.2385
abalone9-18	0.8904	0.1096	0.8904	0.3800	0.5534
accelerometer	0.5896	0.4104	0.5896	0.0460	0.1122
ads	0.1433	0.8567	0.1433	0.0010	0.3078
adult	0.2852	0.7148	0.2852	0.0310	0.4412
AID1284Morered	0.5556	0.4444	0.5556	0.2066	0.4310
AID1284red	0.5833	0.4167	0.5833	0.1667	0.5505
AID_1431	0.3016	0.6984	0.3016	0.0336	0.3011
AID1608Morered	0.2136	0.7864	0.2136	-0.0178	0.2788
AID1608red	0.3495	0.6505	0.3495	0.0251	0.2450
AID_1878	0.2190	0.7810	0.2190	0.0173	0.3754
AID362red	0.5467	0.4533	0.5467	0.0224	0.0900
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.7650	0.2350	0.7650	0.0037	0.0125
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.4286	0.5714	0.4286	-0.2727	0.6435
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.3784	0.6216	0.3784	-0.0545	0.7199
AID_602330	0.1927	0.8073	0.1927	-0.0081	0.1780
AID604	0.2456	0.7544	0.2456	0.0023	0.0134
AID604AID644_AllRed	0.7432	0.2568	0.7432	0.0032	0.0117
AID644Morered	0.4500	0.5500	0.4500	-0.1458	0.9361
AID644red	0.5000	0.5000	0.5000	-0.0870	0.9393
AID_652128	0.2020	0.5320	0.2020	-0.0224	0.3957
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.3145	0.6855	0.3145	-0.0008	0.0194
AID688red	0.1008	0.8992	0.1008	-0.0005	0.0371
AID721morered	0.3333	0.6667	0.3333	0.0690	0.4422
AID721red	0.7778	0.2222	0.7778	0.5263	0.5283
AID746AID1284red	0.7941	0.2059	0.7941	0.0012	0.0136
AID746red	0.1410	0.8590	0.1410	0.0007	0.0240
AID_773	0.3704	0.6296	0.3704	-0.1007	0.5052
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.8081	0.0960	0.8081	0.6679	0.1938
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9590	0.1037
anuran-species	0.9764	0.0047	0.9764	0.9671	0.0386
aps-failure	0.2695	0.7305	0.2695	0.0116	0.0684
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.6444	0.0547	0.6444	0.5181	0.2363
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.7537	0.0410	0.7537	0.6793	0.1653
balance	0.7419	0.1720	0.7419	0.5761	0.3913
bank	0.2083	0.7917	0.2083	0.0265	0.2813
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.4078	0.5922	0.4078	0.0514	0.5459
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	0.3734	0.6266	0.3734	0.0101	0.0400
biodeg	0.6095	0.3905	0.6095	0.3028	0.6002
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.1470	0.0588	0.1470	0.0140	0.1585
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.3929	0.6071	0.3929	0.0916	0.4930
breast-cancer-co	0.9091	0.0909	0.9091	0.8197	0.3145
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1621
bub10at310k-hg16-17	0.9107	0.0893	0.9107	0.0401	0.2450
bze_3d_rdkit_descriptors	0.6829	0.3171	0.6829	0.3193	0.7016
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.3333	0.5283
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.6957	0.3043	0.6957	0.4220	0.6598
cardiotocography	0.8263	0.0347	0.8263	0.7891	0.1691
cardiotocography-nsp	0.7371	0.1753	0.7371	0.4985	0.3762
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6691	0.4383
cas_N6512_cdk_ECFP2	0.4777	0.5223	0.4777	0.0281	0.5717
cdc_diabetes	0.1327	0.5782	0.1327	0.0376	0.3030
census10%	0.3199	0.6801	0.3199	0.0430	0.2017
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.7209	0.2791	0.7209	0.1142	0.4148
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9186	0.0814	0.9186	0.4890	0.5993
chemo_fontaine	0.9070	0.0930	0.9070	0.8009	0.4261
Choi_MACCS	0.3750	0.6250	0.3750	0.0909	0.4711
chrom19	0.9903	0.0097	0.9903	0.1559	0.2128
ci100410h_MACCS	0.4062	0.5938	0.4062	0.0732	0.6082
ci200186.atompair_fp	0.5091	0.4909	0.5091	0.1773	0.5284
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.8074	0.4114
ci200186m_ExtendedFingerprinter	0.7455	0.2545	0.7455	0.5032	0.6577
ci900367j_MACCS	0.4211	0.5789	0.4211	0.0522	0.5229
cirrhosis	0.7619	0.1587	0.7619	0.5513	0.4631
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7991	0.1005	0.7991	0.7003	0.4337
climate	0.8704	0.1296	0.8704	0.2974	0.6325
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.6200	0.3800	0.6200	0.0952	0.5178
cmc	0.5034	0.3311	0.5034	0.2520	0.7094
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0518
codon_usage	0.7843	0.0392	0.7843	0.7403	0.2975
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.3584	0.6899
colposcopies-2	0.3793	0.6207	0.3793	-0.0567	0.8345
colposcopies-3	0.5862	0.4138	0.5862	0.1869	0.9040
colposcopies-4	0.4483	0.5517	0.4483	-0.0545	0.8632

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.5862	0.4138	0.5862	0.1907	0.6125
colposcopies-6	0.7241	0.2759	0.7241	0.4502	0.7761
colposcopies-c	0.4138	0.5862	0.4138	-0.0423	0.7829
column-2c	0.9032	0.0968	0.9032	0.7947	0.3833
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9972	0.0019	0.9972	0.9388	0.1997
cottonmeloidogyne	0.6178	0.3822	0.6178	0.2402	0.7019
coupon	0.4566	0.5434	0.4566	0.0378	0.5527
covtype	0.7069	0.0837	0.7069	0.5211	0.2924
covtypeCD	0.6397	0.3603	0.6397	0.2762	0.4631
covtypeT	0.5797	0.4203	0.5797	0.1450	0.3108
cox2_cdk_ECFP2	0.2174	0.7826	0.2174	0.0108	0.3900
crowdsourced	0.4986	0.1671	0.4986	0.3338	0.4740
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5000	0.0250	0.5000	0.4844	0.0830
cyclopentane	0.7037	0.2963	0.7037	0.4286	0.6809
cylinder-bands	0.4630	0.5370	0.4630	0.0555	0.5301
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.2213	0.7787	0.2213	0.0002	0.4137
deposit	0.1197	0.8803	0.1197	0.0007	0.2687
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6000	0.2311
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.4474	0.5526	0.4474	0.0699	0.5271
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5167	0.3222	0.5167	0.0005	0.6505
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4728	0.5272	0.4728	0.0002	0.5305
dropout	0.3702	0.4199	0.3702	0.1674	0.5357
drug-01	0.3830	0.1763	0.3830	0.0415	0.5703
drug-02	0.2287	0.2204	0.2287	0.1056	0.5799
drug-03	0.1543	0.2416	0.1543	0.0472	0.3972
drug-04	0.1330	0.2477	0.1330	0.0169	0.6173
drug-05	0.0957	0.2584	0.0957	-0.0170	0.3609
drug-06	0.2926	0.2021	0.2926	0.1472	0.6664
drug-07	0.3723	0.1793	0.3723	0.0054	0.4422
drug-08	0.1755	0.2356	0.1755	0.0623	0.4834
drug-09	0.0904	0.2599	0.0904	0.0238	0.2570
drug-10	0.1277	0.2492	0.1277	0.0062	0.5801
drug-11	0.1011	0.2568	0.1011	0.0248	0.3975
drug-12	0.1011	0.2568	0.1011	0.0203	0.3895
drug-13	0.1543	0.2416	0.1543	0.0047	0.5915
drug-14	0.2181	0.2234	0.2181	0.1070	0.5198
drug-15	0.0851	0.2614	0.0851	0.0185	0.5395
drug-16	0.2447	0.2158	0.2447	0.1128	0.5359
drug-17	0.3404	0.1885	0.3404	0.1431	0.6729
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.1277	0.2492	0.1277	0.0412	0.3433
drybean	0.9287	0.0204	0.9287	0.9137	0.1103
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1656	0.1043	0.1656	0.1283	0.5131
eeg-eye	0.5020	0.4980	0.5020	0.0867	0.5413
EPA_FHM	0.9180	0.0820	0.9180	0.4008	0.6313
er_lit_cdk_ECFP2	0.5128	0.4872	0.5128	0.1683	0.5300
er_tox_cdk_ECFP2	0.4833	0.5167	0.4833	0.1389	0.6397
er_tox_rdkit_ATOMPAIR	0.8689	0.1311	0.8689	0.3807	0.4613
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.5635	0.5921
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.5156	0.6454
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.7903	0.2097	0.7903	0.4918	0.5294
er_tox_rdkit_MACCS	0.8710	0.1290	0.8710	0.3815	0.4613
er_tox_rdkit_MORGAN	0.8871	0.1129	0.8871	0.4182	0.4809
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.7213	0.2787	0.7213	0.4607	0.6113
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.2520	0.4923
eucalyptus	0.6164	0.1534	0.6164	0.5019	0.3559
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9538	0.0585	0.9507	0.8763	0.2961
fbis-wc	0.7642	0.0277	0.7642	0.7301	0.1704
fda.atompair_fp	0.2727	0.7273	0.2727	-0.0602	0.6895
fertility	0.4000	0.6000	0.4000	0.0909	0.3113
flags	0.5500	0.1125	0.5500	0.4340	0.2650
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5925	0.0055	0.5921	0.5684	0.2505
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9871	0.0043	0.9871	0.9843	0.0327
gastrointestinal	0.6875	0.2083	0.6875	0.5266	0.4318
gender	0.1958	0.5361	0.1958	-0.0107	0.6158
gene	0.9464	0.0358	0.9464	0.9143	0.1720
german	0.3500	0.6500	0.3500	0.0000	0.5077
gina	0.8012	0.1988	0.8012	0.6039	0.6097
glass	0.8571	0.0476	0.8571	0.7987	0.1263
glassBWFP	0.9048	0.0952	0.9048	0.7981	0.4308
glassBWNFP	0.7143	0.2857	0.7143	0.4375	0.7044
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.6429	0.3571	0.6429	0.3407	0.6074
green	0.5000	0.5000	0.5000	0.1935	0.5170
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4479	0.4083
haberman	0.3667	0.6333	0.3667	0.0339	0.6531
hapt	0.9414	0.0098	0.9414	0.9307	0.0586
har70	0.8712	0.0342	0.8707	0.8355	0.1253
harth10%	0.7899	0.0350	0.7899	0.7193	0.3734
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4295	0.7316
heart	0.7037	0.2963	0.7037	0.4194	0.7601
heart-c	0.8667	0.1333	0.8667	0.7345	0.4958
hepatitis	0.8000	0.2000	0.8000	0.5455	0.5283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8137	0.1863	0.8137	0.6279	0.5594
hERG-121inputs	0.4286	0.5714	0.4286	0.1250	0.5000
hERG-64inputs	0.5714	0.4286	0.5714	0.0870	0.8810
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.1250	0.9054
higgs10%	0.5525	0.4440	0.5530	0.0524	0.5840
higher	0.4286	0.1429	0.4286	0.3171	0.2112
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.4334	0.5666	0.4334	0.1307	0.4490
hiva	0.2388	0.7612	0.2388	0.0016	0.1524
horse	0.5556	0.2963	0.5556	0.3318	0.5472
htru2	0.3547	0.6453	0.3547	0.0695	0.2809
ht-sensor	0.7347	0.1769	0.7347	0.6017	0.4586
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.4237	0.5763	0.4237	0.1194	0.5000
immuno-therapy	0.7778	0.2222	0.7778	0.5263	0.5283
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8537	0.0113	0.8537	0.8478	0.1208
jm1	0.1938	0.8062	0.1938	0.0000	0.3824
fvowels	0.8815	0.0263	0.8815	0.8660	0.1395
kc1	0.1611	0.8389	0.1611	0.0018	0.3330
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3750	0.1287
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.2115	0.7885	0.2115	0.0000	0.4033
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.9219	0.0087	0.9219	0.9128	0.1084
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8628	0.0462	0.8712	0.8108	0.1710
la2s-wc	0.8407	0.0518	0.8383	0.7913	0.2044
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6603	0.0578
led24	0.6000	0.0800	0.6000	0.5493	0.1744
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8935	0.0082	0.8935	0.8892	0.1137
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8213	0.0650
linkage10%	1.0000	0.0000	1.0000	0.9976	0.0001
liver	0.3529	0.6471	0.3529	0.0286	0.5000
localization	0.4087	0.1075	0.4087	0.3229	0.5934
lrs	0.7925	0.0415	0.7925	0.7105	0.1751
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4962	0.5038	0.4962	-0.0077	1.0000
magic04	0.3551	0.6449	0.3551	0.0040	0.5088

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7292	0.2708	0.7292	0.4701	0.6467
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8713	0.0858	0.8713	0.8054	0.3104
messidor	0.5826	0.4174	0.5826	0.2291	0.6521
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0417
mfeat-fou	0.7500	0.0500	0.7500	0.7222	0.2006
mfeat-kar	0.9100	0.0180	0.9100	0.9000	0.1110
mfeat-mor	0.6600	0.0680	0.6600	0.6222	0.2087
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0442
mfeat-zer	0.7150	0.0570	0.7150	0.6833	0.2108
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4412	0.2235	0.4412	0.3009	0.5554
mobile	0.8671	0.0047	0.8671	0.8647	0.0598
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.4091	0.5909	0.4091	0.1175	0.3985
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.5147	0.4853	0.5147	0.0294	0.6675
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7188
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1731	0.8759
MUT_ci300400a	0.4298	0.5702	0.4298	0.0056	0.5287
MUT_ci300400a_cdk_ECFP2	0.4221	0.5779	0.4221	0.0062	0.5457
myocardial	0.3471	0.1632	0.3471	0.1190	0.2949
naticusdroid	0.9673	0.0327	0.9673	0.9345	0.1934
nci9	0.6667	0.0741	0.6667	0.6129	0.0312
ncRNA10%	0.4355	0.0594	0.4355	0.2578	0.5554
newspop	0.4685	0.5315	0.4685	0.0013	0.5359
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.2922	0.7078	0.2922	0.0054	0.4724
NPHA-doctor-visits	0.2500	0.5000	0.2500	-0.0044	0.6499
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9650	0.0350	0.9650	0.9064	0.2696
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.8911	0.0218	0.8911	0.8749	0.1024
oh10-wc	0.6286	0.0743	0.6286	0.5744	0.3292
oh15-wc	0.7935	0.0413	0.7935	0.7654	0.1889
oh5-wc	0.7802	0.0440	0.7802	0.7548	0.2019
opn310k	0.1197	0.8803	0.1197	0.0054	0.2279
opnat310k-hg16-17	0.1183	0.8817	0.1183	0.0053	0.2268
optdigits	0.9644	0.0071	0.9644	0.9604	0.0454
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.8000	0.0100	0.8000	0.7949	0.0333
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.7589	0.2411	0.7589	0.1759	0.2880
ozone8hr	0.5257	0.4743	0.5257	0.1026	0.3367
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9470	0.0212	0.9470	0.7558	0.5350

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7895	0.2105	0.7895	0.5190	0.6808
particle	0.2863	0.7137	0.2863	0.0045	0.4686
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.6486	0.3514	0.6486	0.1615	0.3879
pcmac	0.4227	0.5773	0.4227	0.0074	0.5276
pd	0.6711	0.3289	0.6711	0.3750	0.6010
pediatric-leukemia	0.8529	0.0420	0.8529	0.8184	0.1102
pendigits	0.9927	0.0015	0.9927	0.9919	0.0136
period	0.4444	0.5556	0.4444	0.0000	0.8722
period-10f	0.3333	0.6667	0.3333	-0.2857	0.9644
P-Glycoprotein_b_Inhibitor	0.4278	0.5722	0.4278	0.0944	0.5164
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8882
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7857	0.2143	0.7857	0.5803	0.5093
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.3137	0.8299
phishing	0.9796	0.0204	0.9796	0.9576	0.1345
phoneme	0.4019	0.5981	0.4019	0.1009	0.4938
phy	0.6332	0.3668	0.6332	0.2685	0.7728
pima	0.4211	0.5789	0.4211	0.0346	0.5250
plx	0.6111	0.3889	0.6111	0.1818	0.8366
poker	0.8036	0.0393	0.8036	0.6735	0.6490
polish-1st	0.4097	0.5903	0.4097	0.0212	0.1895
polish-2nd	0.0964	0.9036	0.0964	-0.0011	0.1317
polish-3rd	0.1286	0.8714	0.1286	0.0049	0.1495
polish-4th	0.1061	0.8939	0.1061	0.0063	0.1447
polish-5th	0.2538	0.7462	0.2538	0.0145	0.2522
polya	0.4032	0.5968	0.4032	0.0498	0.5431
popularity	0.6275	0.2483	0.6275	-0.0035	0.4038
post-operative	0.3333	0.4444	0.3333	0.0000	0.2500
postures	0.9125	0.0350	0.9125	0.8906	0.1517
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8578
primary-tumor	0.2121	0.0716	0.2121	0.1411	0.3093
profb	0.3284	0.6716	0.3284	0.0000	0.4975
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9798	0.0081	0.9798	0.9730	0.0629
pufs-6410%	0.5015	0.4985	0.5015	0.0030	0.9991
raisin	0.8333	0.1667	0.8333	0.6667	0.5670
re0-wc	0.7333	0.0410	0.7333	0.6605	0.1915
re1-wc	0.8193	0.0145	0.8193	0.7924	0.1146
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.4644	0.5356	0.4644	0.0794	0.5292
RT_IOT2022	0.9992	0.0001	0.9992	0.9980	0.0014
satimage	0.8771	0.0410	0.8771	0.8490	0.1878
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.6967	0.3033	0.6967	0.2842	0.4422
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4706	0.5294	0.4706	-0.0588	0.9565
secom	0.3782	0.6218	0.3782	0.0280	0.2771
secondary_mushroom	0.6085	0.3915	0.6085	0.2708	0.5226
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.1395	0.8605	0.1395	0.0112	0.1783
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.7763	0.2237	0.7763	0.0128	0.7813
sens-2-gram	0.8711	0.1289	0.8711	0.0615	0.3715
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless	0.9971	0.0005	0.9971	0.9968	0.0060
sepsis	0.1311	0.8689	0.1311	0.0082	0.2273
shoppers	0.1582	0.8418	0.1582	0.0015	0.3294
shuttle	0.9998	0.0000	0.9998	0.9995	0.0004
sick	0.9814	0.0186	0.9814	0.8412	0.2443
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9967	0.0033	0.9967	0.9901	0.0546
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.7122	0.0959	0.7122	0.6383	0.2636
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.7696	0.2304	0.7696	0.5607	0.5174
spect	0.3704	0.6296	0.3704	0.0947	0.4517
spectf	0.8286	0.1714	0.8286	0.6038	0.6382
spectrometer	0.4906	0.0212	0.4906	0.4624	0.1200
splice-EI	0.9590	0.0410	0.9590	0.8944	0.2900
splice-IE	0.9558	0.0442	0.9558	0.8821	0.3137
sport-articles	0.4300	0.5700	0.4300	0.0643	0.6092
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.4821	0.5179	0.4821	0.1730	0.5098
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8390	0.1073	0.8390	0.7456	0.3358
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.4615	0.5385	0.4615	0.1275	0.5222
steel-p	0.7744	0.2256	0.7744	0.3349	0.4565
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9443	0.2161
studentap	0.5385	0.3077	0.5385	0.3158	0.5606
student-weekend	0.3692	0.2523	0.3692	0.1491	0.6335
student-workday	0.1875	0.3250	0.1875	0.0000	0.2285
susy10%	0.4580	0.5420	0.4580	0.0001	0.5307
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6480
Tdp_desc	0.6944	0.3056	0.6944	0.2774	0.7708
texture	0.9800	0.0036	0.9800	0.9779	0.0300
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.1702	0.8298	0.1702	-0.0292	0.4425
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.3388	0.6612	0.3388	0.0630	0.4700
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7639	0.2059
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.2400	0.7600	0.2400	0.0000	0.4329
trec11-wc	0.9024	0.0217	0.9024	0.8811	0.0903
trec12-wc	0.9032	0.0242	0.9032	0.8843	0.0700

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9432	0.0462
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0520
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9776	0.0224	0.9776	0.9332	0.2236
turkish	0.8500	0.0750	0.8500	0.8000	0.1344
tvnews	0.8315	0.1561	0.8465	0.6574	0.5787
urban	0.8507	0.0332	0.8507	0.8255	0.1207
vehicle	0.6548	0.1726	0.6548	0.5539	0.3249
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6162	0.0698	0.6162	0.5778	0.1841
vowelZ	0.9798	0.0202	0.9798	0.8642	0.0715
vrnormat310k-hg16-17	0.9081	0.0919	0.9081	-0.0002	0.2827
wap-wc	0.7115	0.0288	0.7115	0.6748	0.1696
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9986	0.0004	0.9986	0.9983	0.0043
watch-gyr10%	0.9806	0.0056	0.9806	0.9773	0.0359
waveform	0.7640	0.1573	0.7640	0.6460	0.4712
web-phishing	0.8889	0.0741	0.8889	0.8071	0.3362
weight-lift	0.8726	0.0510	0.8726	0.8399	0.2192
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9689	0.0311	0.9689	0.7383	0.4982
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4780	0.1740	0.4780	0.1515	0.3193
winequality-white	0.4744	0.1502	0.4744	0.0729	0.3307
winnipeg	0.9981	0.0025	0.9790	0.9944	0.0210
yale	0.6250	0.0500	0.6250	0.6000	0.1010
yeast	0.4122	0.1176	0.4122	0.2175	0.3747
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9392	0.0608	0.9392	0.1527	0.6285
zip	0.9183	0.0163	0.9183	0.9085	0.1230
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 162: Detailed results for Stacking

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0000	0.0690	0.0000	0.0000	0.3644
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9859	0.0141	0.9859	0.3948	0.2338
ads	0.9848	0.0152	0.9848	0.9350	0.1232
adult	0.8602	0.1398	0.8602	0.5779	0.5796
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8190	0.1810	0.8190	0.0000	0.3312
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1424	0.8660
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	1.0000	0.0039	1.0000	0.1407	0.4106
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.7500	0.2500	0.7500	0.2188	0.4125
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9945	0.0055	0.9945	0.1939	0.1536
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8923	0.1077	0.8923	0.6894	0.5231
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9735	0.0381
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9917	0.0021	0.9917	0.9863	0.0457
anuran-species	0.9903	0.0019	0.9903	0.9865	0.0164
aps-failure	0.9930	0.0070	0.9930	0.7853	0.2648
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.7556	0.0376	0.7556	0.6115	0.2414
auction	1.0000	0.0000	1.0000	1.0000	0.0000
audiology	0.0000	0.0833	0.0000	0.0000	0.3248
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	1.0000	0.0000	1.0000	1.0000	0.0000
avila	0.9890	0.0018	0.9890	0.9857	0.0366
balance	0.9355	0.0430	0.9355	0.8843	0.2534
bank	0.9090	0.0910	0.9090	0.4839	0.5823
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9263	0.0737	0.9263	0.8358	0.3168
basehock	0.9899	0.0100	0.9899	0.9799	0.0659
bio	0.9977	0.0023	0.9977	0.8560	0.1436
biodeg	0.8857	0.1143	0.8857	0.7553	0.4788
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9960	0.0000	1.0000	0.1483	0.3281
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7857	0.2143	0.7857	0.3226	0.3833
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.5455	0.4545	0.5455	0.0351	0.9096
breast-tissue	0.6364	0.1212	0.6364	0.5644	0.1538
bridges	0.8000	0.0571	0.8000	0.6970	0.0779
bub10at310k-hg16-17	0.9189	0.0841	0.9089	0.2514	0.4430
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6612	0.2404
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9655	0.0172	0.9655	0.9268	0.1561
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8685	0.0263	0.8685	0.8429	0.1827
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8179	0.2221
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8178	0.2204
cas_N6512_cdk_ECFP2	0.7865	0.2135	0.7865	0.5708	0.6903
cdc_diabetes	0.8488	0.1008	0.8488	0.2180	0.3311
census10%	0.9529	0.0471	0.9529	0.4649	0.4535
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.5536	0.4782
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0003	1.0000	0.8262	0.1680
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.9455	0.0545	0.9455	0.8782	0.1892
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m.ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6716	0.5255
ci900367j_MACCS	0.6947	0.3053	0.6947	0.3182	0.8315
cirrhosis	0.7381	0.1746	0.7381	0.4677	0.4040
cjs	0.9964	0.0012	0.9964	0.9956	0.0063
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8648	0.0676	0.8648	0.7902	0.2898
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5306	0.3129	0.5306	0.2543	0.7148
cnae-9	0.9815	0.0041	0.9815	0.9792	0.0206
codon_usage	0.9417	0.0106	0.9417	0.9291	0.1036
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.8400	0.0213	0.8400	0.8232	0.0704
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3591	0.8058
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.7586	0.2414	0.7586	0.4700	0.6390
colposcopies-4	0.8276	0.1724	0.8276	0.4649	0.3439

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.8276	0.1724	0.8276	0.4487	0.6170
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.7742	0.1505	0.7742	0.6297	0.3127
connect-4	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne	0.8029	0.1971	0.8029	0.6059	0.6567
coupon	0.7721	0.2279	0.7721	0.5324	0.7173
covtype	0.7500	0.0743	0.7381	0.5896	0.3549
covtypeCD	0.9930	0.0070	0.9930	0.9702	0.0764
covtypeT	0.9870	0.0130	0.9870	0.8990	0.2213
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9567	0.0144	0.9567	0.9109	0.1414
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5176	0.0695
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8382	0.1708	0.8215	0.3905	0.6259
deposit	0.9047	0.0953	0.9047	0.4888	0.5959
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.0588	0.6762
dexter	0.9333	0.0667	0.9333	0.8667	0.3271
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.4926	0.7331
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5759	0.2819	0.5737	0.1576	0.5394
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.5000	0.5000	0.5000	0.0000	0.8322
dlbcl-nih	0.5833	0.4167	0.5833	0.1176	0.9466
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.6008	0.3992	0.6008	0.1928	0.9245
dropout	0.7698	0.1535	0.7698	0.6140	0.4511
drug-01	0.3989	0.1717	0.3989	0.0296	0.4641
drug-02	0.5160	0.1383	0.5160	0.1267	0.5037
drug-03	0.6968	0.0866	0.6968	0.0979	0.3161
drug-04	0.5266	0.1353	0.5266	0.0968	0.4836
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4255	0.1641	0.4255	0.2662	0.4692
drug-07	0.4149	0.1672	0.4149	-0.0034	0.3517
drug-08	0.5851	0.1185	0.5851	0.1888	0.3474
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5319	0.1337	0.5319	0.1303	0.4327
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6064	0.1125	0.6064	0.2308	0.3317
drug-14	0.6064	0.1125	0.6064	0.2822	0.4082
drug-15	0.7553	0.0699	0.7553	-0.0058	0.2884
drug-16	0.5798	0.1201	0.5798	0.3008	0.4699
drug-17	0.3723	0.1793	0.3723	0.1196	0.4764
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	0.0245	0.3127
drybean	0.9258	0.0212	0.9258	0.9103	0.1238
ecoli	0.8529	0.0368	0.8529	0.7969	0.1316
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5097	0.0613	0.5097	0.4574	0.5830
eeg-eye	0.9246	0.0754	0.9246	0.8472	0.3561
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6739	0.5826
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.4874	0.0997
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.9344	0.0656	0.9344	0.8424	0.3579
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6986	0.1205	0.6986	0.6060	0.3151
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9423	0.0610	0.9277	0.8693	0.2959
fbis-wc	0.7602	0.0282	0.7602	0.7278	0.2005
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6000	0.1000	0.6000	0.4953	0.2390
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.5445	0.0060	0.5434	0.5216	0.5561
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9957	0.0014	0.9957	0.9948	0.0117
gastrointestinal	0.7500	0.1667	0.7500	0.5844	0.3057
gender	0.5895	0.2737	0.5895	0.1005	0.5321
gene	0.9401	0.0400	0.9401	0.9042	0.1818
german	0.7600	0.2400	0.7600	0.4015	0.6372
gina	0.9539	0.0461	0.9539	0.9078	0.2489
glass	0.8571	0.0476	0.8571	0.8013	0.1361
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3713	0.5056
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.9671	0.0055	0.9671	0.9611	0.0327
har70	0.8862	0.0289	0.8861	0.8594	0.1312
harth10%	0.8860	0.0190	0.8860	0.8443	0.1910
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.9667	0.0333	0.9667	0.9327	0.1529
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8324	0.1572	0.8526	0.6816	0.5879
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.4737	0.6644
higgs10%	0.7017	0.3025	0.6969	0.3912	0.8428
higher	0.3571	0.1607	0.3571	0.2075	0.2943
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.9376	0.0624	0.9376	0.7673	0.3859
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.7500	0.1667	0.7500	0.5598	0.4727
htru2	0.9782	0.0218	0.9782	0.8619	0.2206
ht-sensor	0.8058	0.1217	0.8206	0.7387	0.3703
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7119	0.2881	0.7119	0.0907	0.7395
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9166	0.0064	0.9166	0.9132	0.0797
jm1	0.8228	0.1772	0.8228	0.2434	0.6311
fvowels	0.9950	0.0011	0.9950	0.9943	0.0101
kc1	0.8863	0.1137	0.8863	0.4277	0.4363
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.0000	0.0833	0.0000	0.0000	0.1928
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8438	0.0174	0.8438	0.8255	0.2069
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8571	0.0474	0.8491	0.8132	0.2132
la2s-wc	0.8648	0.0483	0.8701	0.8231	0.1958
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5985	0.0738
led24	0.6500	0.0700	0.6500	0.6034	0.1678
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9535	0.0036	0.9535	0.9516	0.0551
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7614	0.0762
linkage10%	1.0000	0.0000	1.0000	0.9976	0.0001
liver	0.8235	0.1765	0.8235	0.5968	0.6488
localization	0.5899	0.0742	0.5966	0.4763	0.4526
lrs	0.0943	0.1811	0.0943	0.0000	0.2932
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.0714	0.4643	0.0714	0.0000	0.2997
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7769	0.2231	0.7769	0.5538	0.7057
magic04	0.8806	0.1194	0.8806	0.7328	0.4936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8646	0.1354	0.8646	0.7285	0.5266
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7740	0.3393
messidor	0.7043	0.2957	0.7043	0.3985	0.8184
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0288
mfeat-fou	0.8150	0.0370	0.8150	0.7944	0.1577
mfeat-kar	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-mor	0.7800	0.0440	0.7800	0.7556	0.1843
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0290
mfeat-zer	0.9150	0.0170	0.9150	0.9056	0.0799
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5575	0.3094
mobile	0.8252	0.0062	0.8252	0.8220	0.0783
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9788	0.0212	0.9788	0.9161	0.1576
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9782
mutagen_class_2	0.5588	0.4412	0.5588	0.1176	0.7296
mutagen_class_3	0.5507	0.4493	0.5507	0.0963	0.9351
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7238
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4661	0.7605
MUT_ci300400a	0.8684	0.1316	0.8684	0.7304	0.5209
MUT_ci300400a_cdk_ECFP2	0.8441	0.1559	0.8441	0.6779	0.5786
myocardial	0.8941	0.0265	0.8941	0.4740	0.0892
naticusdroid	0.9744	0.0256	0.9744	0.9489	0.1607
nci9	0.3333	0.1481	0.3333	0.2500	0.1714
ncRNA10%	0.9266	0.0077	0.9266	0.8017	0.4247
newspop	0.6731	0.3269	0.6731	0.3397	0.8531
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9695	0.0305	0.9695	0.9251	0.2045
NPHA-doctor-visits	0.5417	0.3056	0.5417	0.0744	0.5040
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9822	0.0726
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9307	0.0139	0.9307	0.9209	0.0732
oh10-wc	0.7714	0.0457	0.7714	0.7400	0.2198
oh15-wc	0.8152	0.0370	0.8152	0.7901	0.1763
oh5-wc	0.7912	0.0418	0.7912	0.7649	0.1924
opn310k	0.9157	0.0818	0.9178	0.2610	0.4444
opnat310k-hg16-17	0.9283	0.0785	0.9259	0.2936	0.3883
optdigits	0.9804	0.0039	0.9804	0.9782	0.0278
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9250	0.0037	0.9250	0.9231	0.0126
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9289	0.0711	0.9289	0.2785	0.5157
p53-mutants10%	0.9914	0.0032	1.0000	0.0000	0.0148
page-blocks	0.9872	0.0051	0.9872	0.9273	0.1045

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.9368	0.0632	0.9368	0.8429	0.3517
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5825	0.4175	0.5825	0.0000	0.5072
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.7353	0.0756	0.7353	0.6706	0.1974
pendigits	0.9927	0.0015	0.9927	0.9919	0.0139
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6658	0.5840
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8177
P-Glycoprotein_c_RDkit_AtomPair_FP	0.9048	0.0952	0.9048	0.8095	0.4123
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9673	0.0327	0.9673	0.9315	0.1998
phoneme	0.9241	0.0759	0.9241	0.8119	0.3961
phy	0.7171	0.2893	0.7224	0.4064	0.8145
pima	0.7237	0.2763	0.7237	0.3746	0.7278
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.5754	0.0820	0.5842	0.1951	0.2257
polish-1st	0.9787	0.0213	0.9787	0.6243	0.1984
polish-2nd	0.9646	0.0354	0.9646	0.3424	0.4369
polish-3rd	0.9552	0.0448	0.9552	0.1657	0.2908
polish-4th	0.9663	0.0337	0.9663	0.6038	0.3997
polish-5th	0.9492	0.0508	0.9492	0.5331	0.4750
polya	0.8065	0.1935	0.8065	0.5635	0.6582
popularity	0.6753	0.2166	0.6809	0.1893	0.4328
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9918	0.0033	0.9918	0.9898	0.0234
pred-tox_mutagen_ref-desc	0.7500	0.2500	0.7500	0.5000	0.7494
primary-tumor	0.4848	0.0468	0.4848	0.4287	0.1887
profb	0.7015	0.2985	0.7015	0.1184	0.4472
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9618	0.0209	0.9507	0.9289	0.0992
pufs-6410%	0.4970	0.4944	0.4959	0.0014	1.0000
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8400	0.0246	0.8400	0.7923	0.1855
re1-wc	0.7048	0.0236	0.7048	0.6610	0.2282
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9976	0.0000	0.9978	0.9989	0.0000
rocket	0.7010	0.2990	0.7010	0.3782	0.8264
RT_IOT2022	0.9989	0.0002	0.9989	0.9971	0.0024
satimage	0.9114	0.0295	0.9114	0.8905	0.1403
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9393	0.0607	0.9393	0.5976	0.4015
scadi	0.4286	0.1633	0.4286	0.0000	0.2912
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.6176	0.3824	0.6176	0.2353	0.8487
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8763	0.1237	0.8763	0.0998	0.2600
sens-3-gram	0.8737	0.1263	0.8737	0.1180	0.4289
sens-4-gram	0.8819	0.1309	0.8841	0.1079	0.5351
sensorless	0.9983	0.0003	0.9983	0.9981	0.0039
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.9027	0.0973	0.9027	0.5796	0.5254
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9761	0.0239	0.9761	0.7784	0.1990
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9991	0.0067
smk_can_187	0.6842	0.3158	0.6842	0.3596	0.8222
solar-flare	0.7410	0.0863	0.7410	0.6672	0.1878
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	1.0000	0.0000	1.0000	1.0000	0.0000
spambase	0.9500	0.0500	0.9500	0.8951	0.2695
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.0755	0.0385	0.0755	0.0000	0.3464
splice-EI	0.9748	0.0252	0.9748	0.9342	0.2081
splice-IE	0.9211	0.0789	0.9211	0.7827	0.4370
sport-articles	0.8500	0.1500	0.8500	0.6764	0.5756
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8615	0.1385	0.8615	0.5466	0.6073
steel-d	0.9795	0.0205	0.9795	0.5899	0.3873
steel_industry	0.9212	0.0525	0.9212	0.8717	0.1928
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8051	0.1949	0.8051	0.5650	0.6754
steel-p	0.9538	0.0462	0.9538	0.6174	0.3066
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3846	0.4103	0.3846	0.1186	0.6571
student-weekend	0.3231	0.2708	0.3231	0.0042	0.6560
student-workday	0.6875	0.1250	0.6875	-0.0248	0.2966
susy10%	0.7882	0.2101	0.8047	0.5710	0.6682
swarm_aligned	1.0000	0.0000	1.0000	0.9960	0.0000
swarm_flocking	1.0000	0.0004	0.9869	0.9933	0.0048
swarm_grouped	0.9868	0.0000	0.9864	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9891	0.0020	0.9891	0.9880	0.0170
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.9200	0.0800	0.9200	0.7823	0.4247
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.5000	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.7059	0.2941	0.7059	0.2056	0.4505
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	0.0072	0.8694
trec11-wc	0.8780	0.0271	0.8780	0.8495	0.0577
trec12-wc	0.8065	0.0484	0.8065	0.7652	0.1454

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6586	0.2652
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9570	0.0123	0.9570	0.9427	0.0719
trec41-wc	0.9318	0.0136	0.9318	0.9169	0.0817
trec45-wc	0.8986	0.0203	0.8986	0.8812	0.0844
tuandromd	0.9843	0.0157	0.9843	0.9515	0.1548
turkish	0.8500	0.0750	0.8500	0.8000	0.1732
tvnews	0.8902	0.1162	0.8741	0.7441	0.4737
urban	0.8358	0.0365	0.8358	0.8076	0.1277
vehicle	0.7976	0.1012	0.7976	0.7284	0.1746
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6869	0.0569	0.6869	0.6556	0.1499
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9235	0.0830	0.9261	0.2056	0.3649
wap-wc	0.7564	0.0244	0.7564	0.7279	0.1692
warpar10p	0.7692	0.0462	0.7692	0.7417	0.0896
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.8559	0.0461	0.8278	0.8232	0.2148
watch-gyr10%	0.8330	0.0453	0.8378	0.8140	0.2135
waveform	0.8380	0.1080	0.8380	0.7571	0.3681
web-phishing	0.8741	0.0840	0.8741	0.7747	0.3453
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0018
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9896	0.0104	0.9896	0.8925	0.2660
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6792	0.1069	0.6792	0.4784	0.3388
winequality-white	0.7076	0.0836	0.7076	0.5502	0.3666
winnipeg	0.9891	0.0048	0.9781	0.9987	0.0447
yale	0.6875	0.0417	0.6875	0.6624	0.0715
yeast	0.6014	0.0797	0.6014	0.4830	0.3340
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.9581	0.0084	0.9581	0.9530	0.0724
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 163: Detailed results for DGBF(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1194	0.0594	0.1181	0.0140	0.3440
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9831	0.0169	0.9831	0.0984	0.0586
ads	0.9787	0.0213	0.9787	0.9073	0.1433
adult	0.8511	0.1489	0.8511	0.5217	0.5506
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	-0.0184	0.5483
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7838	0.2162	0.7838	0.5099	0.4155
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9882	0.0036	0.9958	0.0000	0.0165
AID604AID644_AllRed	0.9983	0.0010	0.9761	0.0000	0.0054
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8769	0.1231	0.8769	0.6176	0.5221
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9551	0.0180	0.9551	0.9047	0.1228
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9666	0.0167	0.9666	0.9354	0.0589
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9569	0.0108	0.9569	0.9277	0.0876
anuran-species	0.9667	0.0067	0.9667	0.9534	0.0425
aps-failure	0.9825	0.0127	1.0000	0.4907	0.2189
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.6085	0.0584	0.6332	0.2331	0.2080
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.3529	0.0556	0.3461	0.1579	0.2540
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9861	0.0023	0.9861	0.9819	0.0192
balance	0.9194	0.0538	0.9194	0.8483	0.1304
bank	0.9019	0.0981	0.9019	0.2981	0.4750
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8963	0.1037	0.8963	0.7620	0.3259
basehock	0.9265	0.0745	0.9252	0.8521	0.3219
bio	1.0000	0.0031	0.9827	0.8025	0.1165
biodeg	0.8667	0.1333	0.8667	0.7118	0.5200
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9823	0.0000	0.9859	0.1459	0.3269
block10%	0.9800	0.0000	0.9836	1.0000	0.0003
block10%	0.9800	0.0000	0.9836	1.0000	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.1765	0.8228
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8485	0.0526
bub10at310k-hg16-17	0.9164	0.0884	0.8927	0.0335	0.2358
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5553	0.2744
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9828	0.0086	0.9828	0.9627	0.0483
card	0.8986	0.1014	0.8986	0.7928	0.4424
cardiotocography	0.8592	0.0282	0.8592	0.8300	0.1448
cardiotocography-nsp	0.9343	0.0438	0.9343	0.7991	0.0996
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7091	0.2228
cas_N6512_cdk_ECFP2	0.7942	0.2058	0.7942	0.5842	0.6745
cdc_diabetes	0.8699	0.1006	0.8432	0.1550	0.2818
census10%	0.9693	0.0461	0.9335	0.4277	0.3865
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9302	0.0698	0.9302	0.2229	0.5285
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9803	0.0002	1.0000	0.8675	0.0688
ci100410h_MACCS	0.8438	0.1562	0.8438	0.3846	0.3145
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8358	0.2275
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m.ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5896	0.6206
ci900367j_MACCS	0.7368	0.2632	0.7368	0.3986	0.7394
cirrhosis	0.8333	0.1111	0.8333	0.6636	0.2737
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8213	0.0894	0.8213	0.7135	0.2837
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.4353
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5918	0.2721	0.5918	0.3493	0.6275
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0525
codon_usage	0.8972	0.0187	0.8972	0.8739	0.1064
coil20	0.9861	0.0014	0.9861	0.9854	0.0097
collins	0.9800	0.0027	0.9800	0.9780	0.0058
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6897	0.3103	0.6897	0.2209	0.8139
colposcopies-2	0.6897	0.3103	0.6897	0.2162	0.4644
colposcopies-3	0.7241	0.2759	0.7241	0.3862	0.6717
colposcopies-4	0.7931	0.2069	0.7931	0.3256	0.3750

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6810	0.2682
connect-4	0.9836	0.0110	0.9836	0.4236	0.0332
cottonmeloidogyne	0.7764	0.2236	0.7764	0.5532	0.7012
coupon	0.7863	0.2137	0.7863	0.5538	0.6685
covtype	0.9565	0.0111	0.9473	0.9321	0.1069
covtypeCD	0.9876	0.0124	0.9876	0.9456	0.0781
covtypeT	0.9808	0.0192	0.9808	0.8351	0.1519
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.9217	0.0261	0.9217	0.8292	0.1115
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2625	0.1167
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.8333	0.1667	0.8333	0.6573	0.6005
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8187	0.1813	0.8187	0.3101	0.5674
deposit	0.8954	0.1046	0.8954	0.2493	0.4584
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4074	0.2614
dexter	0.9284	0.0498	0.9416	0.9197	0.2084
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5746	0.6524
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5781	0.2846	0.5888	0.1566	0.5369
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5417	0.4583	0.5417	-0.0820	0.8246
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5646	0.4512	0.5527	0.1122	0.9687
dropout	0.7562	0.1625	0.7562	0.5804	0.4487
drug-01	0.3936	0.1733	0.3936	0.0248	0.4398
drug-02	0.5266	0.1353	0.5266	0.0345	0.2890
drug-03	0.6862	0.0897	0.6862	0.0027	0.2444
drug-04	0.5426	0.1307	0.5426	0.0471	0.2910
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4202	0.1657	0.4202	0.2536	0.4823
drug-07	0.4574	0.1550	0.4574	0.0851	0.3957
drug-08	0.5851	0.1185	0.5851	0.1224	0.2739
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5532	0.1277	0.5532	0.0496	0.2796
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6277	0.1064	0.6277	0.1934	0.2780
drug-14	0.5957	0.1155	0.5957	0.1765	0.4353
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5426	0.1307	0.5426	0.1219	0.3515
drug-17	0.3989	0.1717	0.3989	0.1516	0.4299
drug-18	1.0000	0.0021	0.9757	0.0000	0.0074
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9295	0.0202	0.9295	0.9146	0.1132
ecoli	0.5471	0.1080	0.5451	0.2802	0.2443
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9091	0.0909	0.9091	0.3529	0.6260
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5460	0.0568	0.5460	0.4921	0.4504
eeg-eye	0.9146	0.0854	0.9146	0.8260	0.3713
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7287	0.4148
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6197	0.5879
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7472	0.3879
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.7260	0.1096	0.7260	0.6416	0.2903
euthyroid	0.9620	0.0380	0.9620	0.7651	0.3200
exon.vs.intron-freq	0.9719	0.0221	0.9992	0.9386	0.1387
fbis-wc	0.7846	0.0253	0.7846	0.7511	0.1354
fda.atompair_fp	0.7727	0.2273	0.7727	0.2254	0.3902
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4097	0.1484	0.4017	0.1873	0.3209
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.0360	0.0126	0.0364	-0.0790	0.3710
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9849	0.0050	0.9849	0.9817	0.0330
gastrointestinal	0.8125	0.1250	0.8125	0.6643	0.1445
gender	0.5916	0.2723	0.5916	0.0725	0.4972
gene	0.9369	0.0421	0.9369	0.8985	0.1782
german	0.7000	0.3000	0.7000	0.2042	0.6475
gina	0.9424	0.0576	0.9424	0.8847	0.2950
glass	0.8095	0.0635	0.8095	0.7246	0.1432
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8095	0.1905	0.8095	0.5385	0.6309
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6803	0.5766
green	0.8000	0.2000	0.8000	0.4118	0.3750
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2547	0.5449
haberman	0.6667	0.3333	0.6667	-0.1194	0.8874
hapt	0.3504	0.1097	0.3578	0.2109	0.2559
har70	0.9199	0.0227	0.9089	0.8896	0.1165
harth10%	0.8713	0.0264	0.8427	0.7732	0.2076
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.9333	0.0667	0.9333	0.7619	0.1858

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8208	0.1937	0.7888	0.6146	0.5948
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.8000	0.2000	0.8000	0.4737	0.6644
higgs10%	0.5650	0.4457	0.5601	0.0522	0.5799
higher	0.3571	0.1607	0.3571	0.2075	0.2730
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8769	0.1231	0.8769	0.4269	0.4479
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.6667	0.2222	0.6667	0.3374	0.3110
htru2	0.9793	0.0207	0.9793	0.8643	0.1352
ht-sensor	0.9847	0.0002	1.0000	0.9983	0.0016
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136
ilpd	0.7627	0.2373	0.7627	0.2338	0.4011
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8909	0.0084	0.8909	0.8865	0.0917
jm1	0.8173	0.1827	0.8173	0.1324	0.5057
fvowels	0.9398	0.0134	0.9398	0.9317	0.0979
kc1	0.8626	0.1374	0.8626	0.1888	0.2810
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.6529	0.0295	0.6370	0.0000	0.1544
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.8077	0.1923	0.8077	0.2145	0.6041
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8970	0.0114	0.8970	0.8847	0.1082
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8700	0.0431	0.8683	0.8404	0.2207
la2s-wc	0.8944	0.0377	0.8860	0.8790	0.2006
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6915	0.0647
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9325	0.0052	0.9325	0.9298	0.0785
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7778	0.0296	0.7778	0.7616	0.0889
linkage10%	0.9915	0.0001	1.0000	0.9503	0.0209
liver	0.7941	0.2059	0.7941	0.4936	0.6779
localization	0.7198	0.0499	0.7235	0.6492	0.3585
lrs	0.5602	0.0913	0.5372	0.3576	0.1812
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8095	0.0762	0.8095	0.5410	0.1711
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.5013	0.1462	0.5121	0.3335	0.2001
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7943	0.1061	0.7867	0.5711	0.2694
lymphoma2	0.4519	0.1243	0.4548	0.0621	0.2347
madelon	0.8462	0.1538	0.8462	0.6923	0.5690
magic04	0.8827	0.1173	0.8827	0.7323	0.4579

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6042	0.6575
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7591	0.3589
messidor	0.7043	0.2957	0.7043	0.3900	0.8159
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.1220
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0613
mfeat-fou	0.8250	0.0350	0.8250	0.8056	0.1678
mfeat-kar	0.9100	0.0180	0.9100	0.9000	0.1042
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1985
mfeat-pix	0.9450	0.0110	0.9450	0.9389	0.0661
mfeat-zer	0.7550	0.0490	0.7550	0.7278	0.1780
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4809	0.4235
mobile	0.8811	0.0042	0.8811	0.8790	0.0533
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.7795	0.1471
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7265
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.4953	0.7065
MUT_ci300400a	0.8546	0.1454	0.8546	0.7010	0.5515
MUT_ci300400a_cdk_ECFP2	0.8441	0.1559	0.8441	0.6750	0.5693
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9737	0.0263	0.9737	0.9475	0.1637
nci9	0.0000	0.2227	0.0000	-0.0598	0.3118
ncRNA10%	0.9119	0.0091	0.9376	0.7374	0.4381
newspop	0.6688	0.3312	0.6688	0.3273	0.8500
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9620	0.0380	0.9620	0.9046	0.2037
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0433	0.6626
nursery	0.9985	0.0006	0.9985	0.9977	0.0038
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0751
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9850	0.0271
oh0-wc	0.8614	0.0277	0.8614	0.8404	0.1205
oh10-wc	0.7238	0.0552	0.7238	0.6834	0.2360
oh15-wc	0.7826	0.0435	0.7826	0.7503	0.2003
oh5-wc	0.7473	0.0505	0.7473	0.7121	0.1943
opn310k	0.9140	0.0767	0.9176	0.4384	0.5661
opnat310k-hg16-17	0.9312	0.0898	0.8982	0.0379	0.2415
optdigits	0.9520	0.0096	0.9520	0.9466	0.0676
optdigitsZ	0.9947	0.0053	0.9947	0.9662	0.0246
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	1.0000	0.0032	0.9830	0.0000	0.0147
page-blocks	0.9781	0.0088	0.9781	0.8694	0.1226

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9295	0.0760	0.9148	0.8247	0.4070
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9369	0.0631	0.9369	0.2096	0.1619
pcmac	0.5155	0.4845	0.5155	-0.0212	0.9943
pd	0.9079	0.0921	0.9079	0.7200	0.2379
pediatric-leukemia	0.7647	0.0672	0.7647	0.7059	0.1913
pendigits	0.9836	0.0033	0.9836	0.9818	0.0303
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8299	0.1701	0.8299	0.5959	0.5833
P-Glycoprotein_b_Substrate	0.7400	0.2600	0.7400	0.4800	0.7377
P-Glycoprotein_c_RDkit_AtomPair_FP	0.9127	0.0873	0.9127	0.8256	0.3826
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9592	0.0408	0.9592	0.9140	0.2301
phoneme	0.9148	0.0852	0.9148	0.7816	0.3934
phy	0.7036	0.2964	0.7036	0.4071	0.8162
pima	0.7105	0.2895	0.7105	0.3407	0.7408
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.7726	0.0439	0.7798	0.6020	0.1790
polish-1st	0.9744	0.0256	0.9744	0.4902	0.0821
polish-2nd	0.9617	0.0383	0.9617	0.0470	0.1111
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9633	0.0367	0.9633	0.4713	0.1941
polish-5th	0.9543	0.0457	0.9543	0.4911	0.1290
polya	0.7719	0.2281	0.7719	0.4536	0.6543
popularity	0.6666	0.2223	0.6666	0.1578	0.3988
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9838	0.0043	0.9776	1.0000	0.0313
pred-tox_mutagen_ref-desc	0.7353	0.2647	0.7353	0.4706	0.7723
primary-tumor	0.0892	0.0830	0.0922	-0.0541	0.3672
profb	0.7164	0.2836	0.7164	0.2427	0.7434
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	1.0000	0.0032	1.0000	0.9902	0.0245
pufs-6410%	0.4944	0.4944	0.4961	0.0011	0.9873
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.8067	0.0297	0.8067	0.7365	0.1685
re1-wc	0.3789	0.0491	0.3712	0.2093	0.3099
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	0.9853	0.9970	0.0000
rocket	0.7242	0.2758	0.7242	0.4095	0.7827
RT_IOT2022	1.0000	0.0007	0.9948	1.0000	0.0058
satimage	0.8958	0.0347	0.8958	0.8706	0.1466
satimageF	0.9907	0.0093	0.9907	0.9513	0.1170
satimageT	0.9378	0.0622	0.9378	0.5291	0.1639
scadi	0.4356	0.1623	0.4258	0.2571	0.2798
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9560
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.7460	0.2451	0.7665	0.4847	0.7257
segment	0.9524	0.0136	0.9524	0.9443	0.0592
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9748	0.0252	0.9748	0.8437	0.0852
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8899	0.1334	0.8803	0.0000	0.2677
sens-4-gram	0.7683	0.2198	0.7956	0.1782	0.7475
sensorless	0.9920	0.0015	0.9920	0.9912	0.0160
sepsis	0.9261	0.0923	0.9089	0.0000	0.2127
shoppers	0.8889	0.1111	0.8889	0.4432	0.4538
shuttle	0.9997	0.0001	0.9997	0.9990	0.0139
sick	0.9788	0.0212	0.9788	0.7987	0.0728
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9896	0.0004	1.0000	1.0000	0.0101
smk_can_187	0.6842	0.3158	0.6842	0.3596	0.8222
solar-flare	0.7626	0.0791	0.7626	0.6945	0.2003
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	0.9706	0.0031	0.9706	0.9677	0.0184
spambase	0.9478	0.0522	0.9478	0.8896	0.2579
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.1326	0.0365	0.1300	0.0509	0.3176
splice-EI	0.9779	0.0221	0.9779	0.9407	0.1491
splice-IE	0.9274	0.0726	0.9274	0.7884	0.3628
sport-articles	0.8500	0.1500	0.8500	0.6690	0.5577
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8564	0.1436	0.8564	0.4734	0.5312
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9147	0.0569	0.9147	0.8606	0.2037
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8410	0.1590	0.8410	0.6257	0.5356
steel-p	0.9282	0.0718	0.9282	0.2078	0.1781
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9846	0.0154	0.9846	0.9059	0.0582
studentap	0.4615	0.3590	0.4615	0.1250	0.5394
student-weekend	0.4154	0.2338	0.4154	0.1441	0.5867
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7612	0.2368	0.7744	0.5350	0.7292
swarm_aligned	0.9790	0.0000	0.9864	0.9857	0.0000
swarm_flocking	0.9848	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	0.9947	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5288
Tdp_desc	0.8611	0.1389	0.8611	0.4828	0.2958
texture	0.9709	0.0053	0.9709	0.9679	0.0413
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9155	0.0918	0.8981	0.7390	0.4074
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6247	0.1228	0.6376	0.4473	0.1602
tox_171	0.7647	0.1176	0.7647	0.6866	0.2330
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.7647	0.2353	0.7647	0.3929	0.4155
trains	0.5026	0.5036	0.4922	0.0000	0.5309
transfusion	0.7067	0.2933	0.7067	-0.0417	0.8614
trec11-wc	0.7805	0.0488	0.7805	0.7200	0.1373
trec12-wc	0.7742	0.0565	0.7742	0.7264	0.1582

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6118	0.1298
trec23-wc	0.8571	0.0476	0.8571	0.7842	0.0989
trec31-wc	0.5922	0.1202	0.5702	0.4142	0.2363
trec41-wc	0.3909	0.1198	0.4017	0.2246	0.2839
trec45-wc	0.8986	0.0203	0.8986	0.8814	0.0759
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7500	0.1250	0.7500	0.6667	0.2919
tvnews	0.9692	0.0551	0.9297	0.8836	0.2777
urban	0.8358	0.0365	0.8358	0.8066	0.1400
vehicle	0.7857	0.1071	0.7857	0.7094	0.1872
vehicleVAN	0.9881	0.0119	0.9881	0.9677	0.0550
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5455	0.0826	0.5455	0.5000	0.2599
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9038	0.0920	0.8935	0.0011	0.2384
wap-wc	0.2842	0.0716	0.2853	0.1734	0.3233
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0725
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9858	0.0002	1.0000	1.0000	0.0023
watch-gyr10%	1.0000	0.0002	1.0000	1.0000	0.0022
waveform	0.8460	0.1027	0.8460	0.7690	0.3604
web-phishing	0.8444	0.1037	0.8444	0.7175	0.3823
weight-lift	0.3688	0.2488	0.3689	0.1200	0.3928
white-clover	0.3270	0.3373	0.3312	-0.4897	0.3930
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6918	0.1027	0.6918	0.4847	0.2941
winequality-white	0.6626	0.0964	0.6626	0.4601	0.3467
winnipeg	0.9770	0.0062	0.9906	0.9837	0.0493
yale	0.7500	0.0333	0.7500	0.7322	0.0687
yeast	0.6081	0.0784	0.6081	0.4905	0.3442
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	-0.0109	0.5494
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.9258	0.0148	0.9258	0.9168	0.1145
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 164: Detailed results for DGBF(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1199	0.0619	0.1178	0.0139	0.3582
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9828	0.0172	0.9828	0.0667	0.0594
ads	0.9756	0.0244	0.9756	0.8930	0.1527
adult	0.8501	0.1499	0.8501	0.5196	0.5575
AID1284Morered	0.8611	0.1389	0.8611	0.0000	0.2794
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	-0.0184	0.5483
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9773	0.0010	0.9785	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7838	0.2162	0.7838	0.5099	0.4155
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9783	0.0036	0.9882	0.0000	0.0159
AID604AID644_AllRed	0.9882	0.0010	0.9966	0.0000	0.0054
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7000	0.3000	0.7000	0.1176	0.7934
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9941	0.0059	0.9941	0.0537	0.0247
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9490	0.0521
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9680	0.0080	0.9680	0.9464	0.0490
anuran-species	0.9792	0.0042	0.9792	0.9708	0.0214
aps-failure	0.9909	0.0130	0.9939	0.4929	0.2176
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.6218	0.0583	0.6274	0.2354	0.2116
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.3435	0.0553	0.3432	0.1561	0.2525
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.7993	0.1090
avila	0.9952	0.0008	0.9952	0.9938	0.0085
balance	0.9032	0.0645	0.9032	0.8205	0.2499
bank	0.9026	0.0974	0.9026	0.3023	0.4668
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8963	0.1037	0.8963	0.7620	0.3259
basehock	0.9282	0.0748	0.9470	0.8651	0.3124
bio	0.9782	0.0031	1.0000	0.7924	0.1161
biodeg	0.8667	0.1333	0.8667	0.7118	0.5200
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9770	0.0000	0.9837	0.1457	0.3231
block10%	1.0000	0.0000	1.0000	0.9993	0.0003
block10%	1.0000	0.0000	1.0000	0.9993	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.2462	0.7021
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.8939	0.0892	0.9063	0.0338	0.2318
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5553	0.2744
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9828	0.0086	0.9828	0.9627	0.0483
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8545	0.0291	0.8545	0.8245	0.1668
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8152	0.0951
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8061	0.1540
cas_N6512_cdk_ECFP2	0.7911	0.2089	0.7911	0.5780	0.6802
cdc_diabetes	0.8571	0.1024	0.8602	0.1524	0.2833
census10%	0.9511	0.0459	0.9435	0.4414	0.3866
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9302	0.0698	0.9302	0.2229	0.5285
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	1.0000	0.0002	1.0000	0.8712	0.0701
ci100410h_MACCS	0.8438	0.1562	0.8438	0.3846	0.3145
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8358	0.2275
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6641	0.4665
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3781	0.7671
cirrhosis	0.7857	0.1429	0.7857	0.5521	0.3151
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8278	0.0861	0.8278	0.7248	0.2939
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5850	0.2766	0.5850	0.3378	0.6314
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0617
codon_usage	0.9148	0.0155	0.9148	0.8958	0.1012
coil20	0.9861	0.0014	0.9861	0.9854	0.0069
collins	0.9000	0.0133	0.9000	0.8894	0.0372
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.2883	0.6939
colposcopies-2	0.6897	0.3103	0.6897	0.2162	0.4644
colposcopies-3	0.6552	0.3448	0.6552	0.2328	0.8166
colposcopies-4	0.7931	0.2069	0.7931	0.3256	0.3750

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7931	0.2069	0.7931	0.5797	0.4308
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8065	0.1290	0.8065	0.6810	0.2682
connect-4	0.9845	0.0104	0.9845	0.4832	0.0316
cottonmeloidogyne	0.7644	0.2356	0.7644	0.5292	0.7211
coupon	0.7815	0.2185	0.7815	0.5433	0.6749
covtype	0.9744	0.0114	0.9661	0.9397	0.1085
covtypeCD	0.9886	0.0114	0.9886	0.9500	0.0631
covtypeT	0.9803	0.0197	0.9803	0.8300	0.1536
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.9189	0.0270	0.9189	0.8208	0.1016
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0944
cyclopentane	0.7407	0.2593	0.7407	0.4615	0.7356
cylinder-bands	0.8333	0.1667	0.8333	0.6534	0.5853
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8203	0.1797	0.8203	0.3150	0.5553
deposit	0.8960	0.1040	0.8960	0.2532	0.4501
dermatology	0.9459	0.0180	0.9459	0.9322	0.0575
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9290	0.0491	0.9510	0.8981	0.2091
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5746	0.6524
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5715	0.2844	0.5701	0.1592	0.5415
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5417	0.4583	0.5417	-0.0820	0.8246
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5471	0.4536	0.5530	0.1130	0.9715
dropout	0.7720	0.1520	0.7720	0.6064	0.4089
drug-01	0.3777	0.1778	0.3777	0.0014	0.4614
drug-02	0.5266	0.1353	0.5266	0.0477	0.3267
drug-03	0.6862	0.0897	0.6862	0.0027	0.2444
drug-04	0.5372	0.1322	0.5372	0.0316	0.3569
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4255	0.1641	0.4255	0.2641	0.4745
drug-07	0.4255	0.1641	0.4255	0.0282	0.4048
drug-08	0.5851	0.1185	0.5851	0.1224	0.2721
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5479	0.1292	0.5479	0.0337	0.2790
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6330	0.1049	0.6330	0.1935	0.2496
drug-14	0.6117	0.1109	0.6117	0.2015	0.3668
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5372	0.1322	0.5372	0.1093	0.3673
drug-17	0.3883	0.1748	0.3883	0.1362	0.4486
drug-18	0.9872	0.0021	0.9905	0.0000	0.0077
drug-19	0.7713	0.0654	0.7713	0.0000	0.1604
drybean	0.9221	0.0223	0.9221	0.9058	0.1277
ecoli	0.5576	0.1104	0.5677	0.2779	0.2380
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9091	0.0909	0.9091	0.3529	0.6260
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1393	0.1072	0.1410	0.0132	0.4344
eeg-eye	0.9152	0.0848	0.9152	0.8274	0.3709
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.6935	0.4996
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.5722	0.4596
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6105	0.5504
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7472	0.3879
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6849	0.1260	0.6849	0.5893	0.3153
euthyroid	0.9620	0.0380	0.9620	0.7651	0.3200
exon.vs.intron-freq	0.9992	0.0223	0.9997	0.9528	0.1383
fbis-wc	0.8537	0.0172	0.8537	0.8330	0.0989
fda.atompair_fp	0.7727	0.2273	0.7727	0.2254	0.3902
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4085	0.1532	0.4065	0.1857	0.3346
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.0353	0.0129	0.0354	-0.0794	0.3782
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9928	0.0024	0.9928	0.9913	0.0169
gastrointestinal	0.8125	0.1250	0.8125	0.6643	0.1445
gender	0.5958	0.2695	0.5958	0.0788	0.4873
gene	0.9464	0.0358	0.9464	0.9142	0.1615
german	0.7100	0.2900	0.7100	0.2368	0.6388
gina	0.9395	0.0605	0.9395	0.8789	0.3041
glass	0.8095	0.0635	0.8095	0.7264	0.1792
glassBWFP	0.8095	0.1905	0.8095	0.5532	0.3876
glassBWNFP	0.8095	0.1905	0.8095	0.5385	0.6309
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7037	0.5454
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4479	0.4633
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.3455	0.1053	0.3607	0.2148	0.2549
har70	0.9177	0.0233	0.9043	0.8861	0.1209
harth10%	0.8640	0.0255	0.8451	0.7870	0.1987
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.1314	0.9439
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8228	0.1997	0.7990	0.5984	0.6035
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.7000	0.3000	0.7000	0.2105	0.8520
higgs10%	0.5573	0.4582	0.5632	0.0523	0.5820
higher	0.2143	0.1964	0.2143	0.0494	0.3654
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8735	0.1265	0.8735	0.4050	0.4543
hiva	0.9645	0.0355	0.9645	0.0000	0.1045
horse	0.6944	0.2037	0.6944	0.4045	0.2981
htru2	0.9782	0.0218	0.9782	0.8569	0.1535
ht-sensor	1.0000	0.0001	0.9965	0.9824	0.0016
hypothyroid	0.9947	0.0027	0.9947	0.9675	0.0098
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136
ilpd	0.7288	0.2712	0.7288	0.1243	0.6306
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.0571	0.0712	0.0590	0.0200	0.4152
jm1	0.8127	0.1873	0.8127	0.1082	0.5353
jvowels	0.9739	0.0058	0.9739	0.9704	0.0430
kc1	0.8673	0.1327	0.8673	0.2315	0.2755
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.6279	0.0304	0.6532	0.0000	0.1517
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.8077	0.1923	0.8077	0.2145	0.6041
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9087	0.0101	0.9087	0.8980	0.1120
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8682	0.0415	0.8631	0.8320	0.2124
la2s-wc	0.8902	0.0383	0.8685	0.8663	0.2045
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6304	0.0741
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9545	0.0035	0.9545	0.9527	0.0534
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7222	0.0370	0.7222	0.7027	0.1260
linkage10%	0.9753	0.0001	1.0000	0.9500	0.0206
liver	0.8235	0.1765	0.8235	0.5546	0.5639
localization	0.7270	0.0514	0.7126	0.6538	0.3537
lrs	0.5429	0.0892	0.5441	0.3562	0.1824
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.5117	0.1407	0.4913	0.3326	0.2034
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7807	0.1058	0.7703	0.5615	0.2758
lymphoma2	0.4550	0.1236	0.4340	0.0639	0.2382
madelon	0.8500	0.1500	0.8500	0.7000	0.5598
magic04	0.8837	0.1163	0.8837	0.7345	0.4530

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6042	0.6575
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.6783	0.3217	0.6783	0.3408	0.8514
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0446
mfeat-fou	0.8100	0.0380	0.8100	0.7889	0.1603
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0378
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2022
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0372
mfeat-zer	0.7800	0.0440	0.7800	0.7556	0.1441
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4087	0.4419
mobile	0.8986	0.0036	0.8986	0.8968	0.0467
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.7795	0.1471
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7494
MUT_ci034254q_MACCS	0.7705	0.2295	0.7705	0.5303	0.6871
MUT_ci300400a	0.8596	0.1404	0.8596	0.7115	0.5401
MUT_ci300400a_cdk_ECFP2	0.8429	0.1571	0.8429	0.6726	0.5727
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9731	0.0269	0.9731	0.9461	0.1671
nci9	0.0000	0.2238	0.0000	-0.0580	0.3234
ncRNA10%	0.9363	0.0091	0.9244	0.7544	0.4503
newspop	0.6673	0.3327	0.6673	0.3246	0.8528
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9640	0.0360	0.9640	0.9098	0.1961
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.0646	0.6404
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0751
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9818	0.0137
oh0-wc	0.9406	0.0119	0.9406	0.9320	0.0619
oh10-wc	0.8000	0.0400	0.8000	0.7715	0.1697
oh15-wc	0.8913	0.0217	0.8913	0.8764	0.1060
oh5-wc	0.8901	0.0220	0.8901	0.8758	0.1051
opn310k	0.9170	0.0780	0.9375	0.4456	0.5450
opnat310k-hg16-17	0.8972	0.0894	0.9254	0.0387	0.2464
optdigits	0.9573	0.0085	0.9573	0.9525	0.0608
optdigitsZ	0.9929	0.0071	0.9929	0.9545	0.0312
orl	0.8750	0.0063	0.8750	0.8718	0.0208
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9249	0.0751	0.9249	0.0000	0.1826
p53-mutants10%	0.9830	0.0031	0.9957	0.0000	0.0147
page-blocks	0.9762	0.0095	0.9762	0.8572	0.1251

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9374	0.0776	0.9294	0.8014	0.4068
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9369	0.0631	0.9369	0.2096	0.1619
pcmac	0.5361	0.4639	0.5361	0.0258	0.9815
pd	0.8816	0.1184	0.8816	0.6250	0.2760
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9882	0.0024	0.9882	0.9868	0.0217
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6476	0.5372
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.7994
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8968	0.1032	0.8968	0.7934	0.4389
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9592	0.0408	0.9592	0.9140	0.2301
phoneme	0.9185	0.0815	0.9185	0.7902	0.3720
phy	0.7144	0.2856	0.7144	0.4287	0.8018
pima	0.6974	0.3026	0.6974	0.3150	0.7801
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.7749	0.0450	0.7991	0.6003	0.1779
polish-1st	0.9730	0.0270	0.9730	0.4474	0.0856
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9633	0.0367	0.9633	0.4713	0.1941
polish-5th	0.9543	0.0457	0.9543	0.4911	0.1290
polya	0.7719	0.2281	0.7719	0.4528	0.6512
popularity	0.6656	0.2230	0.6656	0.1573	0.4042
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	1.0000	0.0043	0.9904	1.0000	0.0308
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7929
primary-tumor	0.0890	0.0823	0.0906	-0.0556	0.3645
profb	0.7015	0.2985	0.7015	0.1918	0.7593
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9916	0.0031	0.9960	0.9893	0.0249
pufs-6410%	0.5092	0.5004	0.5087	0.0011	0.9562
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8867	0.0174	0.8867	0.8483	0.1038
re1-wc	0.3726	0.0489	0.3703	0.2121	0.3088
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7228	0.2772	0.7228	0.4053	0.7833
RT_IOT2022	0.9896	0.0007	1.0000	0.9846	0.0058
satimage	0.9005	0.0332	0.9005	0.8766	0.1457
satimageF	0.9891	0.0109	0.9891	0.9435	0.1479
satimageT	0.9362	0.0638	0.9362	0.5128	0.1667
scadi	0.4240	0.1614	0.4316	0.2571	0.2744
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5588	0.4412	0.5588	0.1176	0.9174
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.7383	0.2460	0.7697	0.4992	0.7200
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9748	0.0252	0.9748	0.8437	0.0852
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8896	0.1315	0.8518	0.0000	0.2663
sens-4-gram	0.7794	0.2132	0.7757	0.1787	0.7512
sensorless	0.9944	0.0010	0.9944	0.9938	0.0114
sepsis	0.8935	0.0927	0.9199	0.0000	0.2127
shoppers	0.8905	0.1095	0.8905	0.4574	0.4584
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.7987	0.0728
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0005	1.0000	0.9998	0.0105
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.7698	0.0767	0.7698	0.7051	0.2257
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9500	0.0500	0.9500	0.8943	0.2516
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.1341	0.0365	0.1351	0.0505	0.3295
splice-EI	0.9779	0.0221	0.9779	0.9407	0.1491
splice-IE	0.9180	0.0820	0.9180	0.7573	0.3849
sport-articles	0.8600	0.1400	0.8600	0.6928	0.5387
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8513	0.1487	0.8513	0.4486	0.5403
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9187	0.0542	0.9187	0.8672	0.1961
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8308	0.1692	0.8308	0.6016	0.5662
steel-p	0.9231	0.0769	0.9231	0.1895	0.4020
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9846	0.0154	0.9846	0.9059	0.0582
studentap	0.5385	0.3077	0.5385	0.2642	0.5113
student-weekend	0.3692	0.2523	0.3692	0.0769	0.6248
student-workday	0.7031	0.1187	0.7031	0.0000	0.2066
susy10%	0.7591	0.2326	0.7757	0.5298	0.7345
swarm_aligned	1.0000	0.0000	1.0000	0.9881	0.0000
swarm_flocking	1.0000	0.0000	0.9930	1.0000	0.0000
swarm_grouped	0.9844	0.0000	1.0000	0.9981	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6087	0.2605
texture	0.9818	0.0033	0.9818	0.9799	0.0276
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9037	0.0889	0.9315	0.7623	0.4050
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6331	0.1272	0.6273	0.4630	0.1583
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.7647	0.2353	0.7647	0.3929	0.4155
trains	0.4890	0.5083	0.5076	0.0000	0.5290
transfusion	0.7067	0.2933	0.7067	-0.0417	0.8614
trec11-wc	0.8780	0.0271	0.8780	0.8498	0.0977
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8639	0.0552
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.5746	0.1183	0.5848	0.4032	0.2317
trec41-wc	0.3959	0.1192	0.3999	0.2332	0.2896
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0316
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8000	0.1000	0.8000	0.7333	0.2330
tvnews	0.9510	0.0540	0.9555	0.8707	0.2793
urban	0.8657	0.0299	0.8657	0.8427	0.1267
vehicle	0.7738	0.1131	0.7738	0.6939	0.1880
vehicleVAN	0.9881	0.0119	0.9881	0.9677	0.0550
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.7071	0.0533	0.7071	0.6778	0.1878
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.8953	0.0901	0.9116	0.0011	0.2385
wap-wc	0.2840	0.0727	0.2847	0.1679	0.3308
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0800
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	1.0000	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	1.0000	0.0002	1.0000	0.9845	0.0023
waveform	0.8460	0.1027	0.8460	0.7690	0.3603
web-phishing	0.8593	0.0938	0.8593	0.7455	0.3605
weight-lift	0.3648	0.2606	0.3683	0.1215	0.3899
white-clover	0.3253	0.3353	0.3285	-0.4881	0.3909
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9876	0.0124	0.9876	0.8572	0.1649
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7233	0.0922	0.7233	0.5449	0.2837
winequality-white	0.6933	0.0876	0.6933	0.5153	0.3251
winnipeg	0.9849	0.0063	0.9840	0.9656	0.0490
yale	0.6250	0.0500	0.6250	0.6000	0.0789
yeast	0.5946	0.0811	0.5946	0.4707	0.3392
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	-0.0109	0.5494
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.9366	0.0127	0.9366	0.9289	0.0987
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 165: Detailed results for SIBag(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1661	0.0586	0.1577	0.0785	0.5126
abalone19	0.8158	0.1842	0.8158	0.0117	0.0938
abalone9-18	0.9041	0.0959	0.9041	0.1718	0.6407
accelerometer	0.6683	0.3317	0.6683	0.0621	0.1355
ads	0.9695	0.0305	0.9695	0.8688	0.2443
adult	0.7903	0.2097	0.7903	0.5299	0.6228
AID1284Morered	0.6944	0.3056	0.6944	0.2721	0.5954
AID1284red	0.4722	0.5278	0.4722	0.0229	0.5722
AID_1431	0.3175	0.6825	0.3175	0.0013	0.3549
AID1608Morered	0.4369	0.5631	0.4369	-0.0003	0.3380
AID1608red	0.3592	0.6408	0.3592	0.0012	0.2727
AID_1878	0.7619	0.2381	0.7619	-0.0371	0.8340
AID362red	0.5210	0.4790	0.5210	0.0198	0.0864
AID373AID439red	1.0000	0.0003	0.9879	-0.0002	0.5072
AID373red	0.9840	0.0010	1.0000	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6463	0.3537	0.6463	-0.0003	0.0280
AID600_MACCS	0.6757	0.3243	0.6757	0.2475	0.6837
AID_602330	0.2656	0.7344	0.2656	-0.0006	0.1851
AID604	0.3017	0.6983	0.3017	0.0030	0.0145
AID604AID644_AllRed	0.6877	0.3123	0.6877	0.0023	0.0101
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.3131	0.4579	0.3131	-0.0045	0.4684
AID687AID721red	0.8088	0.1912	0.8088	0.0020	0.0089
AID687red	0.3629	0.6371	0.3629	-0.0004	0.0199
AID688red	0.1541	0.8459	0.1541	-0.0003	0.0405
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9867	0.0010	0.9974	0.0000	0.0057
AID746red	0.2317	0.7683	0.2317	0.0018	0.0268
AID_773	0.4815	0.5185	0.4815	-0.0678	0.5349
AID852_MACCS	0.8615	0.1385	0.8615	0.6355	0.6023
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9663	0.0135	0.9663	0.9318	0.2177
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9485	0.0257	0.9485	0.9011	0.1519
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9360	0.0160	0.9360	0.8976	0.2209
anuran-species	0.9639	0.0072	0.9639	0.9496	0.0603
aps-failure	0.7843	0.2157	0.7843	0.1089	0.1931
arcene	0.8000	0.2000	0.8000	0.5455	0.4011
arrhythmia	0.7556	0.0376	0.7556	0.6160	0.2344
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8530	0.0108	0.8918	0.8599	0.0218
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.7500	0.0833	0.7500	0.6622	0.1975
avila	0.8002	0.0333	0.8002	0.7294	0.1869
balance	0.7581	0.1613	0.7581	0.5939	0.4140
bank	0.8386	0.1614	0.8386	0.4829	0.5654
banknote	0.9781	0.0219	0.9781	0.9557	0.1446

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8157	0.1843	0.8157	0.5568	0.4672
basehock	0.8090	0.1910	0.8090	0.6174	0.4644
bio	0.4225	0.5775	0.4225	0.0124	0.0431
biodeg	0.8762	0.1238	0.8762	0.7388	0.5111
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9869	0.0008	0.9855	0.4206	0.1820
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.8214	0.1786	0.8214	0.5070	0.6034
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0351	0.9096
breast-tissue	0.9091	0.0303	0.9091	0.8866	0.0381
bridges	0.7000	0.0857	0.7000	0.5946	0.1621
bub10at310k-hg16-17	0.9407	0.0895	0.9183	0.0325	0.2387
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.5000	0.5000	0.5000	-0.2308	1.0000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9511	0.0705
card	0.8986	0.1014	0.8986	0.7888	0.4180
cardiotocography	0.8310	0.0338	0.8310	0.7971	0.2073
cardiotocography-nsp	0.9249	0.0501	0.9249	0.8001	0.3015
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5685	0.4459
cas_N6512_cdk_ECFP2	0.5530	0.4470	0.5530	0.0333	0.5652
cdc_diabetes	0.1957	0.5362	0.1957	0.0481	0.3676
census10%	0.4636	0.5364	0.4636	0.0808	0.2422
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.3605	0.6395	0.3605	0.0223	0.2527
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9302	0.0698	0.9302	0.5865	0.5624
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9830	0.0002	1.0000	0.8860	0.0700
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6923	0.5642
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2192	0.6561
cirrhosis	0.6667	0.2222	0.6667	0.3210	0.5285
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8130	0.0935	0.8130	0.7148	0.4143
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.5833	0.2778	0.5833	0.3617	0.3679
cm1	0.8200	0.1800	0.8200	0.2105	0.6824
cmc	0.5850	0.2766	0.5850	0.3307	0.6323
cnae-9	0.8704	0.0288	0.8704	0.8542	0.1090
codon_usage	0.7015	0.0543	0.7015	0.6410	0.3906
coil20	0.9653	0.0035	0.9653	0.9634	0.0246
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.6552	0.3448	0.6552	0.2328	0.8166
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.0333	0.8275
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.7241	0.2759	0.7241	0.3136	0.7964
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9633	0.0245	0.9633	0.5114	0.5222
cottonmeloidogyne	0.5264	0.4736	0.5264	0.0443	0.5875
coupon	0.6767	0.3233	0.6767	0.2972	0.7539
covtype	0.9554	0.0110	0.9500	0.9361	0.1114
covtypeCD	0.9165	0.0835	0.9165	0.7144	0.5038
covtypeT	0.7501	0.2499	0.7501	0.2737	0.4144
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8055	0.0648	0.8055	0.6613	0.4737
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0938	0.0453	0.0938	0.0866	0.1673
cyclopentane	0.7778	0.2222	0.7778	0.5345	0.6228
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8163	0.1837	0.8163	0.4226	0.7109
deposit	0.7605	0.2395	0.7605	0.3598	0.5457
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7714	0.0991
dexter	0.8833	0.1167	0.8833	0.7667	0.4224
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.4912	0.3413	0.4912	0.0408	0.6726
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	-0.1250	0.9838
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5292	0.4708	0.5292	0.0051	0.5714
dropout	0.7291	0.1806	0.7291	0.5520	0.5168
drug-01	0.2340	0.2188	0.2340	0.0106	0.6942
drug-02	0.2660	0.2097	0.2660	0.1234	0.6564
drug-03	0.2660	0.2097	0.2660	0.0721	0.6063
drug-04	0.3351	0.1900	0.3351	0.1030	0.6805
drug-05	0.1862	0.2325	0.1862	0.0199	0.5868
drug-06	0.3830	0.1763	0.3830	0.2042	0.5334
drug-07	0.2021	0.2280	0.2021	0.0025	0.5381
drug-08	0.2979	0.2006	0.2979	0.1171	0.6269
drug-09	0.3298	0.1915	0.3298	0.0230	0.4252
drug-10	0.3032	0.1991	0.3032	0.0686	0.7642
drug-11	0.4521	0.1565	0.4521	0.0814	0.5663
drug-12	0.2819	0.2052	0.2819	0.0867	0.5353
drug-13	0.4628	0.1535	0.4628	0.2044	0.7592
drug-14	0.5691	0.1231	0.5691	0.3067	0.4784
drug-15	0.3457	0.1869	0.3457	0.0761	0.6854
drug-16	0.4043	0.1702	0.4043	0.1871	0.5757
drug-17	0.2660	0.2097	0.2660	0.1232	0.6808
drug-18	0.9840	0.0064	0.9840	-0.0071	0.1376
drug-19	0.2447	0.2158	0.2447	0.0620	0.4668
drybean	0.9273	0.0208	0.9273	0.9118	0.1181
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1910	0.1011	0.1910	0.1402	0.5911
eeg-eye	0.5981	0.4019	0.5981	0.1158	0.5404
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2571	0.6710
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4239	0.6420
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.2009	0.6023
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.5635	0.5921
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5767	0.6148
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6510	0.5977
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.2520	0.4923
eucalyptus	0.7808	0.0877	0.7808	0.7144	0.2366
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	1.0000	0.0216	0.9734	0.9845	0.1394
fbis-wc	0.7886	0.0249	0.7886	0.7602	0.1713
fda.atompair_fp	0.7727	0.2273	0.7727	0.2254	0.3902
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.4822	0.2359
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4920	0.0069	0.4950	0.4452	0.2819
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9748	0.0084	0.9748	0.9695	0.0562
gastrointestinal	0.9375	0.0417	0.9375	0.8954	0.0827
gender	0.5874	0.2751	0.5874	0.0282	0.4964
gene	0.9401	0.0400	0.9401	0.9037	0.1864
german	0.6500	0.3500	0.6500	0.3000	0.8257
gina	0.6974	0.3026	0.6974	0.3875	0.5631
glass	0.8095	0.0635	0.8095	0.7375	0.1774
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8571	0.1429	0.8571	0.7085	0.5490
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2683	0.4702
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.8930	0.0178	0.8930	0.8733	0.0902
har70	0.9148	0.0233	0.9401	0.9006	0.1183
harth10%	0.7061	0.0490	0.7061	0.6174	0.2809
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8077	0.2031	0.8135	0.6164	0.5967
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.3750	0.7858
higgs10%	0.5487	0.4496	0.5648	0.0546	0.5931
higher	0.2857	0.1786	0.2857	0.1515	0.3022
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.7099	0.2901	0.7099	0.3546	0.5985
hiva	0.4444	0.5556	0.4444	-0.0193	0.2083
horse	0.6389	0.2407	0.6389	0.3427	0.5663
htru2	0.9749	0.0251	0.9749	0.8534	0.3369
ht-sensor	0.6404	0.2397	0.6404	0.4549	0.3810
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5763	0.4237	0.5763	0.1819	0.8021
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8421	0.0121	0.8421	0.8358	0.1297
jm1	0.8007	0.1993	0.8007	0.2627	0.7593
fvowels	0.9197	0.0178	0.9197	0.9088	0.1189
kc1	0.6066	0.3934	0.6066	0.2259	0.5556
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5763	0.0356	0.5747	0.2563	0.2130
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.4235	0.7319
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8414	0.0176	0.8414	0.8227	0.1819
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7370	0.0871	0.7614	0.6664	0.3809
la2s-wc	0.7600	0.0821	0.7608	0.6803	0.3304
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.6637	0.0162	0.6797	0.6699	0.0631
led24	0.6000	0.0800	0.6000	0.5455	0.1586
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9015	0.0076	0.9015	0.8975	0.1047
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6111	0.0519	0.6111	0.5831	0.1393
linkage10%	0.9999	0.0001	0.9999	0.9904	0.0370
liver	0.6471	0.3529	0.6471	0.0049	0.8516
localization	0.2538	0.1357	0.2538	0.2083	0.5465
lrs	0.7547	0.0491	0.7547	0.6589	0.2091
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.8095	0.0762	0.8095	0.5962	0.2647
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6685	0.2254
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.0486
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.5556	0.0988	0.5556	0.4000	0.1301
madelon	0.5000	0.5000	0.5000	0.0000	0.5283
magic04	0.7901	0.2099	0.7901	0.4753	0.5073

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6010	0.6576
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7327	0.1782	0.7327	0.5886	0.4562
messidor	0.5652	0.4348	0.5652	0.0052	0.6219
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8475	0.1419
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0734
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1893
mfeat-kar	0.9250	0.0150	0.9250	0.9167	0.0832
mfeat-mor	0.7250	0.0550	0.7250	0.6944	0.1905
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.0951
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2487
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5575	0.2895
mobile	0.8392	0.0057	0.8392	0.8362	0.0703
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9508	0.0492	0.9508	0.8872	0.1731
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8576	0.1424	0.8576	0.5847	0.5766
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5217	0.4783	0.5217	0.0298	0.5261
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.6833
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3572	0.7959
MUT_ci300400a	0.5977	0.4023	0.5977	0.0660	0.5614
MUT_ci300400a_cdk_ECFP2	0.5959	0.4041	0.5959	0.0376	0.5273
myocardial	0.4706	0.1324	0.4706	0.1624	0.4342
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2609
nci9	0.1667	0.1852	0.1667	0.0323	0.2513
ncRNA10%	0.5045	0.0522	0.5045	0.3027	0.7152
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9327	0.0673	0.9327	0.8412	0.3749
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0659	0.7585
nursery	0.9969	0.0012	0.9969	0.9955	0.0061
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9756	0.1032
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9820	0.0291
oh0-wc	0.8515	0.0297	0.8515	0.8290	0.1239
oh10-wc	0.7619	0.0476	0.7619	0.7272	0.2029
oh15-wc	0.8261	0.0348	0.8261	0.8008	0.1499
oh5-wc	0.7143	0.0571	0.7143	0.6737	0.2342
opn310k	0.9557	0.0782	0.9133	0.4482	0.5710
opnat310k-hg16-17	0.9068	0.0889	0.9027	0.0391	0.2407
optdigits	0.9164	0.0167	0.9164	0.9070	0.1080
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.5000	0.0250	0.5000	0.4872	0.0969
orlraws10P	0.6000	0.0800	0.6000	0.5556	0.1093
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.7233	0.2767	0.7233	0.1503	0.2626
ozone8hr	0.5217	0.4783	0.5217	0.1009	0.3352
p53-mutants10%	1.0000	0.0033	0.9924	0.0000	0.0150
page-blocks	0.9708	0.0117	0.9708	0.8437	0.2446

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8708	0.1292	0.8708	0.6886	0.5604
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.6847	0.3153	0.6847	0.1541	0.4320
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.8684	0.1316	0.8684	0.5918	0.4410
pediatric-leukemia	0.7353	0.0756	0.7353	0.6741	0.2332
pendigits	0.9745	0.0051	0.9745	0.9717	0.0409
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8299	0.1701	0.8299	0.6082	0.6174
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8068
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7760	0.4547
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.6500	0.3500	0.6500	0.2222	0.8660
phishing	0.9510	0.0490	0.9510	0.8961	0.2464
phoneme	0.8037	0.1963	0.8037	0.5812	0.6072
phy	0.6274	0.3726	0.6274	0.2524	0.7452
pima	0.6842	0.3158	0.6842	0.2716	0.7650
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7726	0.0434	0.7814	0.5832	0.1776
polish-1st	0.1622	0.8378	0.1622	-0.0107	0.1649
polish-2nd	0.1111	0.8889	0.1111	0.0023	0.1273
polish-3rd	0.1362	0.8638	0.1362	0.0038	0.1560
polish-4th	0.1112	0.8888	0.1112	0.0008	0.1676
polish-5th	0.6210	0.3790	0.6210	0.1231	0.3776
polya	0.6454	0.3546	0.6454	0.0116	0.4778
popularity	0.2663	0.4891	0.2663	0.0711	0.5330
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.8262	0.0695	0.8262	0.7821	0.1681
pred-tox_mutagen_ref-desc	0.5588	0.4412	0.5588	0.1176	0.5228
primary-tumor	0.4848	0.0468	0.4848	0.4258	0.2098
profb	0.7164	0.2836	0.7164	0.2427	0.7434
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9375	0.0250	0.9375	0.9160	0.1198
pufs-6410%	0.4964	0.5114	0.4935	0.0011	0.9837
raisin	0.8444	0.1556	0.8444	0.6889	0.5288
re0-wc	0.8400	0.0246	0.8400	0.7946	0.1778
re1-wc	0.8373	0.0130	0.8373	0.8170	0.1823
rejafada	0.9986	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	1.0000	0.0007	1.0000	0.9855	0.0056
satimage	0.8771	0.0410	0.8771	0.8484	0.1905
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.7154	0.2846	0.7154	0.2865	0.4836
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4118	0.5882	0.4118	-0.1765	0.9409
secom	0.5833	0.4167	0.5833	-0.0012	0.3817
secondary_mushroom	0.6175	0.3825	0.6175	0.1539	0.5034
segment	0.9654	0.0099	0.9654	0.9595	0.0454
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.5388	0.4612	0.5388	0.0713	0.3357
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.1868	0.8132	0.1868	0.0036	0.3596
sens-2-gram	0.2553	0.7447	0.2553	0.0273	0.3735
sens-3-gram	0.3132	0.6868	0.3132	0.0500	0.3871
sens-4-gram	0.8868	0.1420	0.8517	0.1319	0.6604
sensorless	0.9157	0.0153	0.9157	0.9073	0.0673
sepsis	0.3531	0.6469	0.3531	0.0556	0.3117
shoppers	0.8654	0.1346	0.8654	0.5545	0.6320
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9900	0.0100	0.9900	0.9700	0.1276
smk_can_187	0.5263	0.4737	0.5263	0.0116	0.8345
solar-flare	0.7482	0.0839	0.7482	0.6794	0.2450
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9559	0.0046	0.9559	0.9518	0.0218
spambase	0.9152	0.0848	0.9152	0.8181	0.3380
spect	0.6667	0.3333	0.6667	0.0899	0.8578
spectf	0.8857	0.1143	0.8857	0.7200	0.5179
spectrometer	0.6189	0.0169	0.6199	0.5752	0.0968
splice-EI	0.9779	0.0221	0.9779	0.9417	0.1787
splice-IE	0.9338	0.0662	0.9338	0.8140	0.3784
sport-articles	0.8300	0.1700	0.8300	0.6333	0.6202
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.5538	0.4462	0.5538	0.2291	0.5535
steel-d	0.8769	0.1231	0.8769	0.2105	0.4134
steel_industry	0.8913	0.0725	0.8913	0.8237	0.2482
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6872	0.3128	0.6872	0.1520	0.6291
steel-p	0.7590	0.2410	0.7590	0.3155	0.4457
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9436	0.0564	0.9436	0.7352	0.4996
studentap	0.4615	0.3590	0.4615	0.1250	0.4353
student-weekend	0.3538	0.2585	0.3538	0.0411	0.6453
student-workday	0.6562	0.1375	0.6562	0.2281	0.4635
susy10%	0.7304	0.2696	0.7304	0.4352	0.6085
swarm_aligned	0.9912	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9901	0.9951	0.0046
swarm_grouped	1.0000	0.0000	1.0000	0.9815	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4269
Tdp_desc	0.7778	0.2222	0.7778	0.3571	0.7720
texture	0.9455	0.0099	0.9455	0.9399	0.0683
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.4468	0.5532	0.4468	0.0498	0.5575
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8721	0.1279	0.8721	0.6426	0.5626
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1387
tox_171	0.5882	0.2059	0.5882	0.4566	0.2644
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	0.1168	0.8628
trec11-wc	0.8780	0.0271	0.8780	0.8526	0.0842
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6989	0.1991
trec23-wc	0.9048	0.0317	0.9048	0.8654	0.0600
trec31-wc	0.9462	0.0154	0.9462	0.9295	0.1465
trec41-wc	0.9318	0.0136	0.9318	0.9164	0.0604
trec45-wc	0.8551	0.0290	0.8551	0.8315	0.1184
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8250	0.0875	0.8250	0.7667	0.2236
tvnews	0.9569	0.0534	0.9299	0.8893	0.2784
urban	0.8507	0.0332	0.8507	0.8247	0.1042
vehicle	0.7619	0.1190	0.7619	0.6864	0.1517
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8372	0.1628	0.8372	0.6760	0.5146
vowel	0.4848	0.0937	0.4848	0.4333	0.2630
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
vrnormat310k-hg16-17	0.9158	0.0908	0.8973	0.0012	0.2383
wap-wc	0.8055	0.0224	0.7914	0.7645	0.1626
warpar10p	0.5385	0.0923	0.5385	0.4902	0.1481
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.8735	0.0361	0.8735	0.8519	0.1012
watch-gyr10%	0.8788	0.0346	0.8788	0.8584	0.0748
waveform	0.6480	0.2347	0.6480	0.4727	0.4726
web-phishing	0.8741	0.0840	0.8741	0.7795	0.3641
weight-lift	0.7918	0.0833	0.7918	0.7305	0.2250
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9648	0.0352	0.9648	0.7034	0.5172
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.4403	0.1866	0.4403	0.2108	0.5267
winequality-white	0.2965	0.2010	0.2965	0.0786	0.5729
winnipeg	0.9765	0.0063	0.9783	0.9929	0.0499
yale	0.2500	0.1000	0.2500	0.2000	0.2119
yeast	0.4730	0.1054	0.4730	0.3412	0.3726
yeastCYT-POX	0.8776	0.1224	0.8776	-0.0576	0.5101
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.8378	0.1622	0.8378	0.0084	0.4893
zip	0.8968	0.0206	0.8968	0.8842	0.1404
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 166: Detailed results for SIBag(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1592	0.0571	0.1585	0.0775	0.5034
abalone19	0.8158	0.1842	0.8158	0.0117	0.0938
abalone9-18	0.8767	0.1233	0.8767	0.1205	0.5990
accelerometer	0.6590	0.3410	0.6590	0.0597	0.1324
ads	0.9665	0.0335	0.9665	0.8543	0.2540
adult	0.7897	0.2103	0.7897	0.5280	0.6254
AID1284Morered	0.7222	0.2778	0.7222	0.3050	0.6066
AID1284red	0.4722	0.5278	0.4722	0.0229	0.5722
AID_1431	0.3095	0.6905	0.3095	-0.0201	0.3715
AID1608Morered	0.4272	0.5728	0.4272	-0.0026	0.3357
AID1608red	0.3592	0.6408	0.3592	0.0012	0.2727
AID_1878	0.7429	0.2571	0.7429	-0.0638	0.8550
AID362red	0.5187	0.4813	0.5187	0.0196	0.0861
AID373AID439red	0.9821	0.0003	1.0000	-0.0002	0.5008
AID373red	1.0000	0.0010	1.0000	0.0000	0.0057
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6453	0.3547	0.6453	-0.0003	0.0279
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.2760	0.7240	0.2760	0.0006	0.1863
AID604	1.0000	0.0019	1.0000	0.6535	0.0094
AID604AID644_AllRed	1.0000	0.0010	1.0000	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7000	0.3000	0.7000	0.2857	0.8453
AID_652128	0.2929	0.4714	0.2929	0.0261	0.3769
AID687AID721red	0.8088	0.1912	0.8088	0.0020	0.0089
AID687red	0.3629	0.6371	0.3629	-0.0004	0.0199
AID688red	0.1563	0.8437	0.1563	-0.0002	0.0405
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9971	0.0010	1.0000	0.0000	0.0057
AID746red	0.2317	0.7683	0.2317	0.0018	0.0268
AID_773	0.4444	0.5556	0.4444	-0.0800	0.5235
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9694	0.0153	0.9694	0.9416	0.0946
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9513	0.0122	0.9513	0.9208	0.1887
anuran-species	0.9542	0.0092	0.9542	0.9365	0.1058
aps-failure	1.0000	0.0080	0.9973	0.7473	0.3158
arcene	0.8500	0.1500	0.8500	0.6809	0.5520
arrhythmia	0.7111	0.0444	0.7111	0.5137	0.2181
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8655	0.0110	0.8952	0.8532	0.0224
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.6378	0.0604	0.6378	0.5707	0.2858
balance	0.8065	0.1290	0.8065	0.6643	0.3552
bank	0.8366	0.1634	0.8366	0.4779	0.5667
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8180	0.1820	0.8180	0.5630	0.4646
basehock	0.8291	0.1709	0.8291	0.6577	0.4446
bio	0.4225	0.5775	0.4225	0.0124	0.0431
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9708	0.0008	0.9871	0.4177	0.1818
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.3099	0.7764
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0000	0.5193
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1621
bub10at310k-hg16-17	0.9115	0.0900	0.8979	0.0336	0.2334
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9511	0.0705
card	0.8986	0.1014	0.8986	0.7868	0.3780
cardiotocography	0.8310	0.0338	0.8310	0.7993	0.1625
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7792	0.3698
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6992	0.4147
cas_N6512_cdk_ECFP2	0.5469	0.4531	0.5469	0.0190	0.5666
cdc_diabetes	0.4966	0.3356	0.4966	0.1395	0.4388
census10%	0.4636	0.5364	0.4636	0.0808	0.2422
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.3605	0.6395	0.3605	0.0223	0.2527
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9186	0.0814	0.9186	0.4890	0.5993
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	1.0000	0.0002	1.0000	0.8998	0.0702
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7159	0.4925
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.5896	0.6206
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2499	0.6479
cirrhosis	0.6667	0.2222	0.6667	0.3082	0.4274
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8083	0.0958	0.8083	0.7073	0.4317
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8200	0.1800	0.8200	0.2105	0.6824
cmc	0.5306	0.3129	0.5306	0.2985	0.6841
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0520
codon_usage	0.6892	0.0565	0.6892	0.6347	0.4378
coil20	0.9931	0.0007	0.9931	0.9927	0.0048
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.4828	0.5172	0.4828	-0.1725	0.9995
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.5862	0.4138	0.5862	0.0794	0.9150
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.0333	0.8275
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.7586	0.2414	0.7586	0.4249	0.7318
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9634	0.0244	0.9634	0.5125	0.5196
cottonmeloidogyne	0.5312	0.4688	0.5312	0.0541	0.5866
coupon	0.6743	0.3257	0.6743	0.2872	0.7266
covtype	0.9811	0.0112	0.9500	0.9587	0.1069
covtypeCD	0.9175	0.0825	0.9175	0.7171	0.5023
covtypeT	0.7504	0.2496	0.7504	0.2740	0.4146
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.7917	0.0694	0.7917	0.6083	0.5395
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2925	0.1116
cyclopentane	0.7037	0.2963	0.7037	0.3684	0.6911
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.7143	0.2857	0.7143	0.3636	0.4644
default	0.8163	0.1837	0.8163	0.4239	0.7112
deposit	0.8368	0.1632	0.8368	0.4664	0.5963
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4419	0.3309
dexter	0.9000	0.1000	0.9000	0.8000	0.3911
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.4848	0.3462	0.4813	0.0405	0.6889
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.5455	0.4011
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	-0.1250	0.9838
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5291	0.4709	0.5291	0.0047	0.5644
dropout	0.7223	0.1851	0.7223	0.5484	0.5082
drug-01	0.0532	0.2705	0.0532	-0.0123	0.6910
drug-02	0.4468	0.1581	0.4468	0.2589	0.7682
drug-03	0.3032	0.1991	0.3032	0.0981	0.6444
drug-04	0.3723	0.1793	0.3723	0.1027	0.7833
drug-05	0.1543	0.2416	0.1543	-0.0139	0.6385
drug-06	0.2394	0.2173	0.2394	0.1328	0.6416
drug-07	0.0638	0.2675	0.0638	-0.0084	0.5733
drug-08	0.3245	0.1930	0.3245	0.0904	0.7740
drug-09	0.3670	0.1809	0.3670	0.0326	0.3516
drug-10	0.2979	0.2006	0.2979	0.1061	0.6087
drug-11	0.4681	0.1520	0.4681	0.0869	0.6223
drug-12	0.2394	0.2173	0.2394	0.0599	0.5722
drug-13	0.3936	0.1733	0.3936	0.1732	0.7233
drug-14	0.4947	0.1444	0.4947	0.2626	0.6185
drug-15	0.4202	0.1657	0.4202	0.1194	0.7035
drug-16	0.5319	0.1337	0.5319	0.3197	0.5963
drug-17	0.1223	0.2508	0.1223	0.0338	0.6943
drug-18	0.9787	0.0085	0.9787	-0.0040	0.0076
drug-19	0.3670	0.1809	0.3670	0.1136	0.5882
drybean	0.9096	0.0258	0.9096	0.8909	0.1240
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1134	0.1108	0.1134	0.0853	0.5454
eeg-eye	0.5961	0.4039	0.5961	0.1107	0.5320
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1880	0.7795
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.2009	0.6023
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.5635	0.5921
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6105	0.5504
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8703	0.1081
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8710	0.1290	0.8710	0.2812	0.5144
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.7039	0.5412
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.2520	0.4923
eucalyptus	0.6712	0.1315	0.6712	0.5856	0.3676
euthyroid	0.9620	0.0380	0.9620	0.7790	0.3765
exon.vs.intron-freq	0.9635	0.0219	0.9684	0.9661	0.1379
fbis-wc	0.7602	0.0282	0.7602	0.7298	0.2440
fda.atompair_fp	0.7727	0.2273	0.7727	0.2254	0.3902
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5000	0.1250	0.5000	0.4030	0.2170
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4876	0.0066	0.4958	0.4556	0.2884
forest	0.8846	0.0577	0.8846	0.8405	0.1475
gas	0.9281	0.0240	0.9281	0.9131	0.1318
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.2875
gender	0.5937	0.2709	0.5937	0.0219	0.3442
gene	0.9432	0.0379	0.9432	0.9090	0.1692
german	0.6700	0.3300	0.6700	0.3067	0.8478
gina	0.7032	0.2968	0.7032	0.3993	0.5601
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7551	0.4910
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4073
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.9286	0.0119	0.9286	0.9156	0.0727
har70	0.9291	0.0232	0.9109	0.8698	0.1186
harth10%	0.6864	0.0523	0.6864	0.5931	0.3272
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8167	0.2021	0.8010	0.6152	0.5968
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5550	0.4532	0.5522	0.0522	0.5941
higher	0.3571	0.1607	0.3571	0.2500	0.2902
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.6965	0.3035	0.6965	0.3345	0.6007
hiva	0.4232	0.5768	0.4232	-0.0134	0.2020
horse	0.6111	0.2593	0.6111	0.3000	0.6125
htru2	0.9749	0.0251	0.9749	0.8526	0.3334
ht-sensor	0.6642	0.2239	0.6642	0.5066	0.3777
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0888
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5932	0.4068	0.5932	0.2036	0.8012
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8383	0.0124	0.8383	0.8318	0.1350
jm1	0.7934	0.2066	0.7934	0.2942	0.7721
fvowels	0.8454	0.0344	0.8454	0.8250	0.2141
kc1	0.6066	0.3934	0.6066	0.2259	0.5556
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5897	0.0354	0.5614	0.2457	0.2151
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3514	0.7685
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8927	0.0119	0.8927	0.8802	0.1484
krvskp	0.9937	0.0063	0.9937	0.9874	0.0522
la1s-wc	0.7357	0.0894	0.7284	0.6727	0.3794
la2s-wc	0.7809	0.0797	0.7749	0.6814	0.3231
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6942	0.0163	0.6909	0.6681	0.0616
led24	0.6000	0.0800	0.6000	0.5493	0.1825
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4815	0.0399	0.4815	0.4612	0.3152
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8056	0.0259	0.8056	0.7916	0.0776
linkage10%	0.9999	0.0001	0.9999	0.9881	0.0511
liver	0.6765	0.3235	0.6765	0.1137	0.8220
localization	0.1135	0.1612	0.1135	0.0798	0.5326
lrs	0.7925	0.0415	0.7925	0.7114	0.1843
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5038	0.4962	0.5038	0.0077	0.9227
magic04	0.7938	0.2062	0.7938	0.4863	0.5071

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6430	0.6156
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6564	0.4108
messidor	0.5826	0.4174	0.5826	0.0499	0.6153
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0500
mfeat-fou	0.7600	0.0480	0.7600	0.7333	0.2036
mfeat-kar	0.9050	0.0190	0.9050	0.8944	0.1145
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2050
mfeat-pix	0.9300	0.0140	0.9300	0.9222	0.0855
mfeat-zer	0.7400	0.0520	0.7400	0.7111	0.2224
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3369	0.4904
mobile	0.7797	0.0079	0.7797	0.7757	0.0988
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8500	0.1500	0.8500	0.5692	0.5797
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5217	0.4783	0.5217	0.0298	0.5261
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.6096
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4184	0.6610
MUT_ci300400a	0.5990	0.4010	0.5990	0.0693	0.5609
MUT_ci300400a_cdk_ECFP2	0.5911	0.4089	0.5911	0.0252	0.5465
myocardial	0.4118	0.1471	0.4118	0.1219	0.4009
naticusdroid	0.9465	0.0535	0.9465	0.8929	0.2619
nci9	0.6667	0.0741	0.6667	0.6000	0.0833
ncRNA10%	0.7793	0.0232	0.7793	0.4838	0.5517
newspop	0.5328	0.4672	0.5328	0.0012	0.5283
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9341	0.0659	0.9341	0.8439	0.3710
NPHA-doctor-visits	0.5278	0.3148	0.5278	0.1153	0.6869
nursery	0.9977	0.0009	0.9977	0.9966	0.0050
obs	0.9907	0.0046	0.9907	0.9863	0.0279
occupancy	0.9917	0.0083	0.9917	0.9769	0.0984
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.8713	0.0257	0.8713	0.8545	0.1226
oh10-wc	0.7143	0.0571	0.7143	0.6815	0.2653
oh15-wc	0.7717	0.0457	0.7717	0.7425	0.2428
oh5-wc	0.7582	0.0484	0.7582	0.7303	0.2084
opn310k	0.9233	0.0772	0.9522	0.4489	0.5662
opnat310k-hg16-17	0.9083	0.0926	0.9268	0.0382	0.2481
optdigits	0.9324	0.0135	0.9324	0.9248	0.0866
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.8000	0.0100	0.8000	0.7949	0.0350
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.7233	0.2767	0.7233	0.1503	0.2626
ozone8hr	0.5217	0.4783	0.5217	0.1009	0.3352
p53-mutants10%	1.0000	0.0033	0.9804	0.0000	0.0146
page-blocks	0.9726	0.0110	0.9726	0.8497	0.3672

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8725	0.1275	0.8725	0.6930	0.5561
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.6937	0.3063	0.6937	0.1610	0.4376
pcmac	0.5773	0.4227	0.5773	-0.0062	0.6352
pd	0.8947	0.1053	0.8947	0.6863	0.3954
pediatric-leukemia	0.8235	0.0504	0.8235	0.7862	0.1826
pendigits	0.9782	0.0044	0.9782	0.9757	0.0354
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5916	0.6200
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.6537
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7602	0.4803
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7000	0.3000	0.7000	0.3478	0.8165
phishing	0.9551	0.0449	0.9551	0.9046	0.2206
phoneme	0.8056	0.1944	0.8056	0.5816	0.6153
phy	0.6258	0.3742	0.6258	0.2491	0.7352
pima	0.6711	0.3289	0.6711	0.2363	0.7765
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7660	0.0436	0.7826	0.5829	0.1782
polish-1st	0.1593	0.8407	0.1593	-0.0109	0.1647
polish-2nd	0.1111	0.8889	0.1111	0.0023	0.1273
polish-3rd	0.2029	0.7971	0.2029	0.0077	0.1736
polish-4th	0.1102	0.8898	0.1102	0.0007	0.1675
polish-5th	0.6142	0.3858	0.6142	0.1134	0.3783
polya	0.6454	0.3546	0.6454	0.0116	0.4778
popularity	0.6290	0.2473	0.6290	-0.0018	0.3745
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9032	0.0387	0.9032	0.8789	0.1680
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.5208
primary-tumor	0.3030	0.0634	0.3030	0.2310	0.2488
profb	0.7463	0.2537	0.7463	0.3405	0.7097
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9018	0.0393	0.9018	0.8700	0.1927
pufs-6410%	0.5117	0.5131	0.5020	0.0011	0.9749
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.6200	0.0585	0.6200	0.5539	0.4395
re1-wc	0.8072	0.0154	0.8072	0.7840	0.2182
rejafada	1.0000	0.0000	0.9952	0.9905	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9930	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	1.0000	0.0007	0.9892	0.9811	0.0057
satimage	0.8025	0.0658	0.8025	0.7610	0.2153
satimageF	0.9876	0.0124	0.9876	0.9367	0.1925
satimageT	0.7107	0.2893	0.7107	0.2815	0.4809
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4118	0.5882	0.4118	-0.1765	0.9409
secom	0.6026	0.3974	0.6026	-0.0237	0.3946
secondary_mushroom	0.5983	0.4017	0.5983	0.1074	0.5081
segment	0.9610	0.0111	0.9610	0.9544	0.0447
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.5194	0.4806	0.5194	0.0640	0.3288
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.1947	0.8053	0.1947	0.0062	0.3611
sens-2-gram	0.2553	0.7447	0.2553	0.0273	0.3735
sens-3-gram	0.3079	0.6921	0.3079	0.0427	0.3977
sens-4-gram	0.8858	0.1392	0.8740	0.1338	0.6459
sensorless	0.8444	0.0283	0.8444	0.8289	0.1029
sepsis	0.3570	0.6430	0.3570	0.0567	0.3130
shoppers	0.8662	0.1338	0.8662	0.5547	0.6326
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9864	0.0136	0.9864	0.9595	0.1583
smk_can_187	0.6316	0.3684	0.6316	0.2486	0.8662
solar-flare	0.7266	0.0911	0.7266	0.6579	0.2853
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9412	0.0062	0.9412	0.9356	0.0368
spambase	0.9174	0.0826	0.9174	0.8225	0.3246
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7961	0.4377
spectrometer	0.6147	0.0166	0.6065	0.5704	0.0944
splice-EI	0.9779	0.0221	0.9779	0.9417	0.1787
splice-IE	0.9401	0.0599	0.9401	0.8333	0.3600
sport-articles	0.8500	0.1500	0.8500	0.6764	0.5756
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.5897	0.4103	0.5897	0.2647	0.5619
steel-d	0.8821	0.1179	0.8821	0.2193	0.4223
steel_industry	0.8921	0.0719	0.8921	0.8252	0.2433
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.6923	0.3077	0.6923	0.1694	0.6250
steel-p	0.7436	0.2564	0.7436	0.2974	0.4352
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9436	0.0564	0.9436	0.7352	0.4996
studentap	0.6154	0.2564	0.6154	0.4091	0.4948
student-weekend	0.3077	0.2769	0.3077	0.1240	0.6000
student-workday	0.6719	0.1313	0.6719	0.1600	0.6790
susy10%	0.7282	0.2718	0.7282	0.4303	0.6102
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0004	0.9930	0.9938	0.0047
swarm_grouped	0.9874	0.0000	1.0000	0.9922	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7073
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.8836	0.0212	0.8836	0.8714	0.1012
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.4681	0.5319	0.4681	0.0623	0.5636
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8706	0.1294	0.8706	0.6376	0.5658
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5342	0.2560
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	0.0845	0.8760
trec11-wc	0.9024	0.0217	0.9024	0.8811	0.0903
trec12-wc	0.8710	0.0323	0.8710	0.8458	0.1187

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8698	0.0500
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9717	0.0508
trec41-wc	0.9432	0.0114	0.9432	0.9312	0.0730
trec45-wc	0.9565	0.0087	0.9565	0.9495	0.0395
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8250	0.0875	0.8250	0.7667	0.1807
tvnews	0.9670	0.0540	0.9349	0.9070	0.2740
urban	0.8507	0.0332	0.8507	0.8266	0.1514
vehicle	0.7976	0.1012	0.7976	0.7244	0.2214
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5455	0.0826	0.5455	0.5000	0.2657
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
vrnformat310k-hg16-17	0.9341	0.0909	0.8909	0.0011	0.2487
wap-wc	0.7786	0.0219	0.7665	0.7681	0.1667
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0933
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8920	0.0308	0.8920	0.8738	0.0999
watch-gyr10%	0.8640	0.0389	0.8640	0.8411	0.1297
waveform	0.7800	0.1467	0.7800	0.6700	0.4496
web-phishing	0.8815	0.0790	0.8815	0.7913	0.3449
weight-lift	0.8059	0.0777	0.8059	0.7569	0.2475
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9648	0.0352	0.9648	0.7034	0.5172
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.2579	0.2474	0.2579	0.1358	0.4961
winequality-white	0.1002	0.2571	0.1002	0.0499	0.5110
winnipeg	1.0000	0.0064	1.0000	0.9679	0.0477
yale	0.6875	0.0417	0.6875	0.6653	0.0789
yeast	0.4122	0.1176	0.4122	0.3014	0.4667
yeastCYT-POX	0.9184	0.0816	0.9184	-0.0426	0.6182
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.8378	0.1622	0.8378	0.0084	0.4893
zip	0.8839	0.0232	0.8839	0.8701	0.1623
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 167: Detailed results for MIBag(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1649	0.0588	0.1656	0.0761	0.5227
abalone19	0.8158	0.1842	0.8158	0.0117	0.0938
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.6668	0.3332	0.6668	0.0617	0.1350
ads	0.9695	0.0305	0.9695	0.8688	0.2443
adult	0.7895	0.2105	0.7895	0.5274	0.6260
AID1284Morered	0.6944	0.3056	0.6944	0.2721	0.5954
AID1284red	0.4722	0.5278	0.4722	0.0229	0.5722
AID_1431	0.3016	0.6984	0.3016	-0.0219	0.3701
AID1608Morered	0.4272	0.5728	0.4272	-0.0026	0.3357
AID1608red	0.3592	0.6408	0.3592	0.0012	0.2727
AID_1878	0.8000	0.2000	0.8000	0.1726	0.7680
AID362red	0.5140	0.4860	0.5140	0.0191	0.0855
AID373AID439red	1.0000	0.0003	1.0000	-0.0002	0.4944
AID373red	1.0000	0.0010	1.0000	0.0000	0.0056
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6463	0.3537	0.6463	-0.0003	0.0280
AID600_MACCS	0.6757	0.3243	0.6757	0.2475	0.6837
AID_602330	0.2708	0.7292	0.2708	0.0000	0.1857
AID604	0.9947	0.0019	0.9962	0.6341	0.0095
AID604AID644_AllRed	0.6877	0.3123	0.6877	0.0023	0.0101
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.7500	0.2500	0.7500	0.3056	0.7334
AID_652128	0.3535	0.4310	0.3535	0.0435	0.4202
AID687AID721red	0.8088	0.1912	0.8088	0.0020	0.0089
AID687red	0.3629	0.6371	0.3629	-0.0004	0.0199
AID688red	0.1567	0.8433	0.1567	-0.0002	0.0405
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9964	0.0010	0.9793	0.0000	0.0054
AID746red	0.2347	0.7653	0.2347	0.0014	0.0279
AID_773	0.4074	0.5926	0.4074	-0.0909	0.5137
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9663	0.0135	0.9663	0.9318	0.2177
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9485	0.0257	0.9485	0.9013	0.1601
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9374	0.0156	0.9374	0.8998	0.2199
anuran-species	0.9639	0.0072	0.9639	0.9496	0.0707
aps-failure	0.7843	0.2157	0.7843	0.1089	0.1931
arcene	0.7500	0.2500	0.7500	0.4444	0.6928
arrhythmia	0.6889	0.0479	0.6889	0.5361	0.2106
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8769	0.0110	0.8941	0.8434	0.0220
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7297	0.1443
avila	0.7896	0.0351	0.7896	0.7154	0.2143
balance	0.7742	0.1505	0.7742	0.6203	0.3490
bank	0.8371	0.1629	0.8371	0.4788	0.5669
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8203	0.1797	0.8203	0.5692	0.4620
basehock	0.8241	0.1759	0.8241	0.6476	0.4092
bio	0.4225	0.5775	0.4225	0.0124	0.0431
biodeg	0.8762	0.1238	0.8762	0.7388	0.5111
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9834	0.0008	0.9816	0.4189	0.1888
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2414	0.8512
breast-tissue	0.9091	0.0303	0.9091	0.8866	0.0381
bridges	0.6000	0.1143	0.6000	0.4595	0.1896
bub10at310k-hg16-17	0.9126	0.0906	0.9082	0.0334	0.2370
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9828	0.0086	0.9828	0.9631	0.0552
card	0.8841	0.1159	0.8841	0.7551	0.4042
cardiotocography	0.8263	0.0347	0.8263	0.7911	0.2054
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7785	0.2636
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5600	0.4365
cas_N6512_cdk_ECFP2	0.5515	0.4485	0.5515	0.0297	0.5656
cdc_diabetes	0.1840	0.5440	0.1840	0.0378	0.3301
census10%	0.4629	0.5371	0.4629	0.0805	0.2420
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.3605	0.6395	0.3605	0.0223	0.2527
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9186	0.0814	0.9186	0.4890	0.5993
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	1.0000	0.0002	1.0000	0.8939	0.0679
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6426	0.6065
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3399	0.6219
cirrhosis	0.6667	0.2222	0.6667	0.3333	0.5463
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8139	0.0931	0.8139	0.7160	0.4142
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.4167	0.3889	0.4167	0.1064	0.4164
cm1	0.8200	0.1800	0.8200	0.2105	0.6824
cmc	0.5714	0.2857	0.5714	0.3022	0.6098
cnae-9	0.8519	0.0329	0.8519	0.8333	0.1253
codon_usage	0.7045	0.0537	0.7045	0.6454	0.3800
coil20	0.9653	0.0035	0.9653	0.9634	0.0243
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.5862	0.4138	0.5862	0.0543	0.8679
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.1655	0.7831
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9648	0.0235	0.9648	0.5257	0.5220
cottonmeloidogyne	0.5288	0.4712	0.5288	0.0491	0.5612
coupon	0.6806	0.3194	0.6806	0.3066	0.7508
covtype	0.9732	0.0112	0.9914	0.9386	0.1077
covtypeCD	0.9180	0.0820	0.9180	0.7198	0.4978
covtypeT	0.7499	0.2501	0.7499	0.2734	0.4142
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8120	0.0627	0.8120	0.6698	0.4809
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1250	0.0437	0.1250	0.1155	0.1631
cyclopentane	0.7407	0.2593	0.7407	0.4522	0.6597
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8153	0.1847	0.8153	0.4198	0.7130
deposit	0.7494	0.2506	0.7494	0.3468	0.5379
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9000	0.1000	0.9000	0.8000	0.3911
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4121	0.4359
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.4887	0.3467	0.4866	0.0412	0.6876
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5295	0.4705	0.5295	0.0060	0.5834
dropout	0.7359	0.1761	0.7359	0.5646	0.5166
drug-01	0.2128	0.2249	0.2128	-0.0173	0.6740
drug-02	0.2819	0.2052	0.2819	0.1387	0.6637
drug-03	0.3032	0.1991	0.3032	0.1077	0.5808
drug-04	0.3351	0.1900	0.3351	0.1022	0.6851
drug-05	0.1968	0.2295	0.1968	0.0335	0.5562
drug-06	0.4043	0.1702	0.4043	0.2324	0.5183
drug-07	0.2074	0.2264	0.2074	0.0268	0.5227
drug-08	0.3511	0.1854	0.3511	0.0924	0.7406
drug-09	0.3351	0.1900	0.3351	0.0145	0.4417
drug-10	0.3085	0.1976	0.3085	0.0603	0.7351
drug-11	0.4628	0.1535	0.4628	0.1058	0.4621
drug-12	0.2872	0.2036	0.2872	0.0964	0.5094
drug-13	0.4255	0.1641	0.4255	0.1696	0.7260
drug-14	0.5213	0.1368	0.5213	0.2770	0.5869
drug-15	0.3883	0.1748	0.3883	0.1048	0.6901
drug-16	0.4362	0.1611	0.4362	0.2269	0.5385
drug-17	0.2660	0.2097	0.2660	0.1267	0.7310
drug-18	0.9894	0.0043	0.9894	-0.0053	0.1743
drug-19	0.2234	0.2219	0.2234	0.0503	0.5164
drybean	0.9273	0.0208	0.9273	0.9119	0.1188
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1888	0.1014	0.1888	0.1380	0.5935
eeg-eye	0.5888	0.4112	0.5888	0.0930	0.5339
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.7167	0.2833	0.7167	0.2735	0.6948
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.4055	0.5803
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.5635	0.5921
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6617	0.5586
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9020	0.2532
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8136	0.3324
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9344	0.0656	0.9344	0.8371	0.3158
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.2520	0.4923
eucalyptus	0.7534	0.0986	0.7534	0.6794	0.2673
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	0.9986	0.0218	0.9703	0.9751	0.1395
fbis-wc	0.7967	0.0239	0.7967	0.7694	0.1573
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5484	0.2187
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.4863	0.0068	0.5018	0.4574	0.2793
forest	0.8846	0.0577	0.8846	0.8402	0.1172
gas	0.9748	0.0084	0.9748	0.9695	0.0576
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5937	0.2709	0.5937	0.0180	0.3318
gene	0.9369	0.0421	0.9369	0.8987	0.1928
german	0.6800	0.3200	0.6800	0.2138	0.8363
gina	0.7349	0.2651	0.7349	0.4643	0.5589
glass	0.8095	0.0635	0.8095	0.7350	0.1994
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5385	0.6309
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2593	0.5215
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.8893	0.0185	0.8893	0.8690	0.0940
har70	0.9508	0.0230	0.9259	0.8983	0.1165
harth10%	0.7049	0.0492	0.7049	0.6158	0.2822
hayes-roth	0.9375	0.0417	0.9375	0.9006	0.1058
hcc-survival	0.7647	0.2353	0.7647	0.5143	0.7332
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8333	0.1667	0.8333	0.6575	0.3902
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8073	0.2026	0.8218	0.6100	0.6025
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5631	0.4516	0.5482	0.0539	0.5982
higher	0.2857	0.1786	0.2857	0.1463	0.3097
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.6965	0.3035	0.6965	0.3345	0.6007
hiva	0.4374	0.5626	0.4374	-0.0119	0.2040
horse	0.6667	0.2222	0.6667	0.4209	0.5539
htru2	0.9743	0.0257	0.9743	0.8505	0.3427
ht-sensor	0.6404	0.2397	0.6404	0.4549	0.3830
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.5424	0.4576	0.5424	0.1629	0.7702
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8472	0.0118	0.8472	0.8411	0.1265
jm1	0.7998	0.2002	0.7998	0.2729	0.7625
fvowels	0.9247	0.0167	0.9247	0.9146	0.1077
kc1	0.6114	0.3886	0.6114	0.2303	0.5572
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.5675	0.0358	0.5630	0.2542	0.2191
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8417	0.0176	0.8417	0.8232	0.1845
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.7536	0.0902	0.7521	0.6595	0.3619
la2s-wc	0.7743	0.0800	0.7788	0.7021	0.3348
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6800	0.0164	0.6903	0.6647	0.0617
led24	0.6000	0.0800	0.6000	0.5455	0.1569
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9060	0.0072	0.9060	0.9022	0.1007
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7222	0.0370	0.7222	0.7022	0.1008
linkage10%	0.9999	0.0001	0.9999	0.9881	0.0511
liver	0.6471	0.3529	0.6471	0.0049	0.8516
localization	0.2551	0.1354	0.2551	0.2088	0.5429
lrs	0.7736	0.0453	0.7736	0.6845	0.1560
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.6685	0.2254
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.0486
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.6667	0.0741	0.6667	0.5500	0.1027
madelon	0.4962	0.5038	0.4962	-0.0077	0.5821
magic04	0.7875	0.2125	0.7875	0.4689	0.5206

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6225	0.6394
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5429	0.4970
messidor	0.5652	0.4348	0.5652	0.0052	0.6219
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8475	0.1419
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0643
mfeat-fou	0.7700	0.0460	0.7700	0.7444	0.1843
mfeat-kar	0.9100	0.0180	0.9100	0.9000	0.0995
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1964
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.0979
mfeat-zer	0.7050	0.0590	0.7050	0.6722	0.2448
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5201	0.2771
mobile	0.8217	0.0064	0.8217	0.8184	0.0781
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8500	0.1500	0.8500	0.5666	0.5847
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5217	0.4783	0.5217	0.0298	0.5261
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.6096
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3536	0.7701
MUT_ci300400a	0.6015	0.3985	0.6015	0.0760	0.5601
MUT_ci300400a_cdk_ECFP2	0.5935	0.4065	0.5935	0.0318	0.5457
myocardial	0.4765	0.1309	0.4765	0.1844	0.3771
naticusdroid	0.9482	0.0518	0.9482	0.8963	0.2575
nci9	0.1667	0.1852	0.1667	0.0323	0.2513
ncRNA10%	0.5041	0.0522	0.5041	0.3009	0.7090
newspop	0.5333	0.4667	0.5333	0.0024	0.5283
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9324	0.0676	0.9324	0.8407	0.3754
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0379	0.7609
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0956
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0431
oh0-wc	0.8614	0.0277	0.8614	0.8406	0.1180
oh10-wc	0.7524	0.0495	0.7524	0.7164	0.2106
oh15-wc	0.8043	0.0391	0.8043	0.7753	0.1757
oh5-wc	0.7582	0.0484	0.7582	0.7242	0.1987
opn310k	0.9145	0.0754	0.9528	0.4480	0.5581
opnat310k-hg16-17	0.9071	0.0904	0.9066	0.0382	0.2430
optdigits	0.9235	0.0153	0.9235	0.9150	0.0999
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.4000	0.0300	0.4000	0.3846	0.1296
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0839
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.7233	0.2767	0.7233	0.1503	0.2626
ozone8hr	0.5217	0.4783	0.5217	0.1009	0.3352
p53-mutants10%	0.9924	0.0033	0.9873	0.0000	0.0150
page-blocks	0.9653	0.0139	0.9653	0.8144	0.2581

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8726	0.1274	0.8726	0.6924	0.5562
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.7027	0.2973	0.7027	0.1681	0.4435
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.8816	0.1184	0.8816	0.6400	0.4189
pediatric-leukemia	0.7059	0.0840	0.7059	0.6356	0.2477
pendigits	0.9763	0.0047	0.9763	0.9737	0.0377
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5947	0.6265
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.7845
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7597	0.4722
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.6500	0.3500	0.6500	0.2222	0.8660
phishing	0.9551	0.0449	0.9551	0.9046	0.2206
phoneme	0.7963	0.2037	0.7963	0.5654	0.6221
phy	0.6260	0.3740	0.6260	0.2495	0.7383
pima	0.6974	0.3026	0.6974	0.3063	0.7532
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7668	0.0441	0.7737	0.6035	0.1739
polish-1st	0.1622	0.8378	0.1622	-0.0107	0.1649
polish-2nd	0.1111	0.8889	0.1111	0.0023	0.1273
polish-3rd	0.1362	0.8638	0.1362	0.0038	0.1560
polish-4th	0.1112	0.8888	0.1112	0.0008	0.1676
polish-5th	0.6091	0.3909	0.6091	0.1107	0.3759
polya	0.6454	0.3546	0.6454	0.0133	0.5025
popularity	0.2681	0.4879	0.2681	0.0679	0.5363
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.8292	0.0683	0.8292	0.7858	0.1745
pred-tox_mutagen_ref-desc	0.5441	0.4559	0.5441	0.0882	0.7894
primary-tumor	0.4848	0.0468	0.4848	0.4299	0.2221
profb	0.6716	0.3284	0.6716	0.2378	0.8762
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9360	0.0256	0.9360	0.9140	0.1232
pufs-6410%	0.5104	0.5161	0.4912	0.0011	0.9941
raisin	0.8444	0.1556	0.8444	0.6889	0.5001
re0-wc	0.8533	0.0226	0.8533	0.8106	0.1646
re1-wc	0.8373	0.0130	0.8373	0.8167	0.1765
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	0.9878	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	1.0000	0.0007	1.0000	1.0000	0.0058
satimage	0.8725	0.0425	0.8725	0.8428	0.1985
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.7092	0.2908	0.7092	0.2799	0.4801
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4118	0.5882	0.4118	-0.1765	0.9409
secom	0.5897	0.4103	0.5897	0.0008	0.3843
secondary_mushroom	0.6178	0.3822	0.6178	0.1547	0.5033
segment	0.9610	0.0111	0.9610	0.9544	0.0519
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.2636	0.7364	0.2636	0.0079	0.2566
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.1868	0.8132	0.1868	-0.0012	0.3726
sens-2-gram	0.2553	0.7447	0.2553	0.0273	0.3735
sens-3-gram	0.3105	0.6895	0.3105	0.0438	0.3983
sens-4-gram	0.8714	0.1435	0.8795	0.1311	0.6527
sensorless	0.9044	0.0174	0.9044	0.8949	0.0719
sepsis	0.3558	0.6442	0.3558	0.0558	0.3137
shoppers	0.8678	0.1322	0.8678	0.5634	0.6267
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.8220	0.3006
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9861	0.0139	0.9861	0.9587	0.1605
smk_can_187	0.5789	0.4211	0.5789	0.1364	0.9011
solar-flare	0.7554	0.0815	0.7554	0.6896	0.2602
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9518	0.0218
spambase	0.9174	0.0826	0.9174	0.8225	0.3246
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7961	0.4377
spectrometer	0.5979	0.0171	0.5973	0.5800	0.0951
splice-EI	0.9685	0.0315	0.9685	0.9164	0.2255
splice-IE	0.9495	0.0505	0.9495	0.8615	0.3301
sport-articles	0.8100	0.1900	0.8100	0.5902	0.6610
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.2000	0.5333	0.2000	-0.1765	0.2250
steel-b	0.5744	0.4256	0.5744	0.2491	0.5583
steel-d	0.9026	0.0974	0.9026	0.2609	0.4616
steel_industry	0.8907	0.0729	0.8907	0.8228	0.2481
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.7077	0.2923	0.7077	0.2207	0.6125
steel-p	0.7744	0.2256	0.7744	0.3349	0.4565
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9487	0.0513	0.9487	0.7639	0.4715
studentap	0.4615	0.3590	0.4615	0.1250	0.4208
student-weekend	0.3692	0.2523	0.3692	0.0600	0.6488
student-workday	0.7188	0.1125	0.7188	0.2325	0.3236
susy10%	0.7303	0.2697	0.7303	0.4349	0.6085
swarm_aligned	1.0000	0.0000	0.9870	1.0000	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0048
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5145
Tdp_desc	0.8611	0.1389	0.8611	0.6154	0.6155
texture	0.9400	0.0109	0.9400	0.9339	0.0753
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.4681	0.5319	0.4681	0.0623	0.5636
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8706	0.1294	0.8706	0.6376	0.5658
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1387
tox_171	0.5882	0.2059	0.5882	0.4566	0.1970
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	0.0489	0.8775
trec11-wc	0.8780	0.0271	0.8780	0.8496	0.0826
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6863	0.2009
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9355	0.0184	0.9355	0.9151	0.1364
trec41-wc	0.9318	0.0136	0.9318	0.9164	0.0569
trec45-wc	0.8551	0.0290	0.8551	0.8317	0.1113
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8000	0.1000	0.8000	0.7333	0.2798
tvnews	0.9343	0.0553	0.9578	0.8940	0.2823
urban	0.8209	0.0398	0.8209	0.7892	0.1391
vehicle	0.7619	0.1190	0.7619	0.6885	0.1283
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.6667	0.3333	0.6667	0.2500	0.8750
vote	0.8837	0.1163	0.8837	0.7686	0.3439
vowel	0.5253	0.0863	0.5253	0.4778	0.2401
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
vrnormat310k-hg16-17	0.9297	0.0932	0.9113	0.0011	0.2372
wap-wc	0.8654	0.0135	0.8654	0.8491	0.0889
warpar10p	0.6154	0.0769	0.6154	0.5724	0.1279
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8746	0.0358	0.8746	0.8532	0.0993
watch-gyr10%	0.8783	0.0348	0.8783	0.8578	0.0761
waveform	0.6500	0.2333	0.6500	0.4756	0.4869
web-phishing	0.8815	0.0790	0.8815	0.7928	0.3538
weight-lift	0.7952	0.0819	0.7952	0.7349	0.2219
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9648	0.0352	0.9648	0.7034	0.5172
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4403	0.1866	0.4403	0.1951	0.5448
winequality-white	0.2802	0.2057	0.2802	0.0893	0.5864
winnipeg	0.9772	0.0064	0.9607	0.9983	0.0495
yale	0.3750	0.0833	0.3750	0.3333	0.1770
yeast	0.4459	0.1108	0.4459	0.3075	0.3900
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.8378	0.1622	0.8378	0.0084	0.4893
zip	0.8882	0.0224	0.8882	0.8746	0.1495
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 168: Detailed results for MIBag(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1609	0.0583	0.1583	0.0750	0.5073
abalone19	0.8158	0.1842	0.8158	0.0117	0.0938
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.6565	0.3435	0.6565	0.0590	0.1316
ads	0.9665	0.0335	0.9665	0.8543	0.2540
adult	0.7903	0.2097	0.7903	0.5295	0.6240
AID1284Morered	0.6111	0.3889	0.6111	0.1158	0.6230
AID1284red	0.4722	0.5278	0.4722	0.0229	0.5722
AID_1431	0.3016	0.6984	0.3016	-0.0219	0.3701
AID1608Morered	0.4175	0.5825	0.4175	-0.0049	0.3335
AID1608red	0.3592	0.6408	0.3592	0.0012	0.2727
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.5187	0.4813	0.5187	0.0196	0.0861
AID373AID439red	0.9831	0.0003	1.0000	-0.0002	0.4969
AID373red	1.0000	0.0010	1.0000	0.0000	0.0054
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6463	0.3537	0.6463	-0.0003	0.0280
AID600_MACCS	0.6486	0.3514	0.6486	0.1943	0.7939
AID_602330	0.2708	0.7292	0.2708	0.0000	0.1857
AID604	1.0000	0.0018	0.9788	0.6556	0.0094
AID604AID644_AllRed	1.0000	0.0010	1.0000	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7000	0.3000	0.7000	0.2105	0.8520
AID_652128	0.2929	0.4714	0.2929	0.0261	0.3769
AID687AID721red	0.8088	0.1912	0.8088	0.0020	0.0089
AID687red	0.3629	0.6371	0.3629	-0.0004	0.0199
AID688red	0.1563	0.8437	0.1563	-0.0002	0.0405
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9936	0.0010	0.9983	0.0000	0.0055
AID746red	0.2317	0.7683	0.2317	0.0018	0.0268
AID_773	0.4444	0.5556	0.4444	0.0288	0.4712
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9694	0.0153	0.9694	0.9418	0.1000
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9499	0.0125	0.9499	0.9183	0.1985
anuran-species	0.9542	0.0092	0.9542	0.9365	0.1001
aps-failure	0.7842	0.2158	0.7842	0.1088	0.1930
arcene	0.8500	0.1500	0.8500	0.6809	0.5520
arrhythmia	0.7333	0.0410	0.7333	0.5673	0.1861
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8704	0.0109	0.8968	0.8478	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.6344	0.0609	0.6344	0.5665	0.2879
balance	0.7903	0.1398	0.7903	0.6402	0.3474
bank	0.8398	0.1602	0.8398	0.4865	0.5638
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	0.9600	0.0400	0.9600	0.9153	0.1598
barleyblumeria	0.8180	0.1820	0.8180	0.5630	0.4646
basehock	0.8141	0.1859	0.8141	0.6275	0.4597
bio	0.4225	0.5775	0.4225	0.0124	0.0431
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	1.0000	0.0008	1.0000	0.4168	0.1828
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.1818	0.8787
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1786	0.9552
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1621
bub10at310k-hg16-17	0.9230	0.0887	0.9114	0.0333	0.2281
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9511	0.0705
card	0.8986	0.1014	0.8986	0.7888	0.4180
cardiotocography	0.8263	0.0347	0.8263	0.7934	0.1778
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7898	0.3579
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5789	0.4840
cas_N6512_cdk_ECFP2	0.5469	0.4531	0.5469	0.0190	0.5666
cdc_diabetes	0.4989	0.3341	0.4989	0.1401	0.4306
census10%	0.4642	0.5358	0.4642	0.0810	0.2424
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.3953	0.6047	0.3953	0.0299	0.2601
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9186	0.0814	0.9186	0.4890	0.5993
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	1.0000	0.0002	1.0000	0.8748	0.0698
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6264	0.5553
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2499	0.6479
cirrhosis	0.6905	0.2063	0.6905	0.3636	0.4156
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8148	0.0926	0.8148	0.7168	0.4260
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8000	0.2000	0.8000	0.1803	0.6689
cmc	0.5442	0.3039	0.5442	0.3146	0.6786
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0520
codon_usage	0.6984	0.0548	0.6984	0.6449	0.4298
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.4828	0.5172	0.4828	-0.1725	0.9995
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.5862	0.4138	0.5862	0.0543	0.8679
colposcopies-4	0.7931	0.2069	0.7931	0.4387	0.7155

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9626	0.0250	0.9626	0.5054	0.5187
cottonmeloidogyne	0.5264	0.4736	0.5264	0.0443	0.5875
coupon	0.6632	0.3368	0.6632	0.2630	0.7514
covtype	0.9732	0.0111	0.9530	0.9492	0.1095
covtypeCD	0.9180	0.0820	0.9180	0.7191	0.4997
covtypeT	0.7431	0.2569	0.7431	0.2662	0.4093
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.7788	0.0737	0.7788	0.5802	0.5460
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3239	0.1076
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8157	0.1843	0.8157	0.4219	0.7126
deposit	0.7751	0.2250	0.7751	0.3745	0.5605
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9333	0.0667	0.9333	0.8667	0.3124
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5030	0.3491	0.5063	0.0395	0.6573
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5417	0.4583	0.5417	-0.0154	0.9600
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5288	0.4712	0.5288	0.0043	0.5868
dropout	0.7201	0.1866	0.7201	0.5433	0.5069
drug-01	0.0426	0.2736	0.0426	-0.0205	0.7003
drug-02	0.3989	0.1717	0.3989	0.2084	0.7759
drug-03	0.3883	0.1748	0.3883	0.1212	0.6687
drug-04	0.3723	0.1793	0.3723	0.1193	0.8023
drug-05	0.3085	0.1976	0.3085	-0.0240	0.6702
drug-06	0.2606	0.2112	0.2606	0.1564	0.6257
drug-07	0.0638	0.2675	0.0638	-0.0072	0.5898
drug-08	0.3085	0.1976	0.3085	0.1190	0.7570
drug-09	0.3351	0.1900	0.3351	0.0340	0.3372
drug-10	0.2606	0.2112	0.2606	0.0709	0.7337
drug-11	0.4894	0.1459	0.4894	0.1291	0.6148
drug-12	0.2340	0.2188	0.2340	0.0560	0.5780
drug-13	0.3936	0.1733	0.3936	0.1833	0.7303
drug-14	0.4840	0.1474	0.4840	0.2521	0.6872
drug-15	0.3883	0.1748	0.3883	0.0502	0.7600
drug-16	0.5479	0.1292	0.5479	0.3506	0.5756
drug-17	0.1064	0.2553	0.1064	0.0188	0.6979
drug-18	0.9787	0.0085	0.9787	-0.0040	0.0076
drug-19	0.3617	0.1824	0.3617	0.1203	0.4811
drybean	0.9199	0.0229	0.9199	0.9032	0.1185
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1175	0.1103	0.1175	0.0886	0.5368
eeg-eye	0.5788	0.4212	0.5788	0.0689	0.5363
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.7167	0.2833	0.7167	0.2917	0.7458
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.2009	0.6023
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.5635	0.5921
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5663	0.5745
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.3564	0.5599
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.2520	0.4923
eucalyptus	0.6712	0.1315	0.6712	0.5850	0.3566
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
exon.vs.intron-freq	1.0000	0.0217	0.9795	0.9807	0.1404
fbis-wc	0.7561	0.0287	0.7561	0.7243	0.2428
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5000	0.1250	0.5000	0.4012	0.2247
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4899	0.0066	0.4945	0.4448	0.2859
forest	0.9231	0.0385	0.9231	0.8934	0.0853
gas	0.9166	0.0278	0.9166	0.8993	0.1410
gastrointestinal	0.6875	0.2083	0.6875	0.4904	0.3286
gender	0.5916	0.2723	0.5916	0.0155	0.3890
gene	0.9495	0.0336	0.9495	0.9193	0.1510
german	0.7400	0.2600	0.7400	0.3968	0.7763
gina	0.6888	0.3112	0.6888	0.3698	0.5674
glass	0.7619	0.0794	0.7619	0.6635	0.2371
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4073
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9241	0.0127	0.9241	0.9102	0.0835
har70	0.9420	0.0225	0.9506	0.8970	0.1184
harth10%	0.7102	0.0483	0.7102	0.6210	0.3207
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.7778	0.2222	0.7778	0.5120	0.6272
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8174	0.1956	0.8200	0.5963	0.6072
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5561	0.4413	0.5661	0.0537	0.5992
higher	0.3571	0.1607	0.3571	0.2410	0.2694
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.7032	0.2968	0.7032	0.3428	0.6025
hiva	0.4350	0.5650	0.4350	-0.0122	0.2036
horse	0.6944	0.2037	0.6944	0.4634	0.5086
htru2	0.9743	0.0257	0.9743	0.8497	0.3393
ht-sensor	0.6631	0.2246	0.6631	0.5050	0.3789
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0888
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5932	0.4068	0.5932	0.2036	0.8012
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8460	0.0118	0.8460	0.8398	0.1322
jm1	0.7906	0.2094	0.7906	0.2889	0.7757
fvowels	0.8273	0.0384	0.8273	0.8050	0.2052
kc1	0.6114	0.3886	0.6114	0.2303	0.5572
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5816	0.0362	0.5653	0.2518	0.2159
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3514	0.7685
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.8898	0.0122	0.8898	0.8771	0.1534
krvskp	0.9937	0.0063	0.9937	0.9874	0.0522
la1s-wc	0.7432	0.0883	0.7599	0.6817	0.3712
la2s-wc	0.7480	0.0793	0.7571	0.6885	0.3324
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6648	0.0161	0.6957	0.6746	0.0640
led24	0.6000	0.0800	0.6000	0.5493	0.1752
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4690	0.0408	0.4690	0.4482	0.3226
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7916	0.0776
linkage10%	0.9999	0.0001	0.9999	0.9881	0.0511
liver	0.6765	0.3235	0.6765	0.1137	0.8220
localization	0.0969	0.1642	0.0969	0.0657	0.5239
lrs	0.8302	0.0340	0.8302	0.7622	0.1407
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5308	0.4692	0.5308	0.0615	0.9810
magic04	0.7917	0.2083	0.7917	0.4827	0.5292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6216	0.6337
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7525	0.1650	0.7525	0.6275	0.4310
messidor	0.5739	0.4261	0.5739	0.0226	0.5117
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0565
mfeat-fou	0.7600	0.0480	0.7600	0.7333	0.2035
mfeat-kar	0.9150	0.0170	0.9150	0.9056	0.1071
mfeat-mor	0.6600	0.0680	0.6600	0.6222	0.2098
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0793
mfeat-zer	0.7100	0.0580	0.7100	0.6778	0.2428
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3745	0.4770
mobile	0.7797	0.0079	0.7797	0.7757	0.0977
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8758	0.1242	0.8758	0.6216	0.5698
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5072	0.4928	0.5072	0.0000	0.5273
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.6096
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4216	0.7076
MUT_ci300400a	0.5952	0.4048	0.5952	0.0594	0.5622
MUT_ci300400a_cdk_ECFP2	0.5935	0.4065	0.5935	0.0318	0.5457
myocardial	0.4176	0.1456	0.4176	0.1132	0.4373
naticusdroid	0.9468	0.0532	0.9468	0.8936	0.2609
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
ncRNA10%	0.7792	0.0232	0.7792	0.4837	0.4725
newspop	0.5323	0.4677	0.5323	0.0001	0.5284
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9367	0.0633	0.9367	0.8498	0.3620
NPHA-doctor-visits	0.5417	0.3056	0.5417	0.1413	0.6812
nursery	0.9985	0.0006	0.9985	0.9977	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.0984
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9759	0.0166
oh0-wc	0.8614	0.0277	0.8614	0.8434	0.1280
oh10-wc	0.7429	0.0514	0.7429	0.7128	0.2495
oh15-wc	0.7391	0.0522	0.7391	0.7058	0.2578
oh5-wc	0.7582	0.0484	0.7582	0.7298	0.2106
opn310k	0.9196	0.0784	0.9108	0.4575	0.5548
opnat310k-hg16-17	0.9242	0.0898	0.9142	0.0390	0.2447
optdigits	0.9359	0.0128	0.9359	0.9288	0.0844
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.8250	0.0088	0.8250	0.8205	0.0308
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.7233	0.2767	0.7233	0.1503	0.2626
ozone8hr	0.5257	0.4743	0.5257	0.1139	0.3221
p53-mutants10%	0.9942	0.0031	1.0000	0.0000	0.0147
page-blocks	0.9744	0.0102	0.9744	0.8609	0.3613

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8711	0.1289	0.8711	0.6899	0.5593
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.6937	0.3063	0.6937	0.1610	0.4376
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.8553	0.1447	0.8553	0.5417	0.4619
pediatric-leukemia	0.8235	0.0504	0.8235	0.7857	0.1488
pendigits	0.9763	0.0047	0.9763	0.9737	0.0376
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6374	0.6027
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8462
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7760	0.4547
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7000	0.3000	0.7000	0.3478	0.8165
phishing	0.9551	0.0449	0.9551	0.9049	0.2341
phoneme	0.8111	0.1889	0.8111	0.5956	0.5967
phy	0.6244	0.3756	0.6244	0.2463	0.7411
pima	0.7105	0.2895	0.7105	0.3323	0.7052
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7789	0.0437	0.7713	0.5822	0.1791
polish-1st	0.1622	0.8378	0.1622	-0.0107	0.1649
polish-2nd	0.1111	0.8889	0.1111	0.0023	0.1273
polish-3rd	0.2019	0.7981	0.2019	0.0054	0.1777
polish-4th	0.1112	0.8888	0.1112	0.0008	0.1676
polish-5th	0.6481	0.3519	0.6481	0.1393	0.3917
polya	0.6454	0.3546	0.6454	0.0116	0.4778
popularity	0.6300	0.2467	0.6300	-0.0001	0.3558
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.9095	0.0362	0.9095	0.8868	0.1604
pred-tox_mutagen_ref-desc	0.5588	0.4412	0.5588	0.1176	0.5228
primary-tumor	0.3030	0.0634	0.3030	0.2294	0.2575
profb	0.7015	0.2985	0.7015	0.1918	0.7593
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5333	0.4205
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9016	0.0394	0.9016	0.8697	0.1942
pufs-6410%	0.5166	0.5103	0.5117	0.0011	0.9675
raisin	0.8667	0.1333	0.8667	0.7333	0.5084
re0-wc	0.5733	0.0656	0.5733	0.5059	0.4427
re1-wc	0.7651	0.0188	0.7651	0.7379	0.2153
rejafada	1.0000	0.0000	0.9977	0.9941	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	0.9933	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0000	0.5033
RT_IOT2022	0.9787	0.0007	1.0000	1.0000	0.0058
satimage	0.8056	0.0648	0.8056	0.7643	0.2110
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.7107	0.2893	0.7107	0.2815	0.4809
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4412	0.5588	0.4412	-0.1176	0.8717
secom	0.6090	0.3910	0.6090	-0.0219	0.3974
secondary_mushroom	0.6175	0.3825	0.6175	0.1539	0.5034
segment	0.9697	0.0087	0.9697	0.9646	0.0381
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.5659	0.4341	0.5659	0.0824	0.3462
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.1868	0.8132	0.1868	-0.0012	0.3726
sens-2-gram	0.2579	0.7421	0.2579	0.0283	0.3741
sens-3-gram	0.3079	0.6921	0.3079	0.0478	0.3858
sens-4-gram	0.8763	0.1386	0.8871	0.1353	0.6627
sensorless	0.8362	0.0298	0.8362	0.8199	0.1075
sepsis	0.3640	0.6360	0.3640	0.0573	0.3182
shoppers	0.8670	0.1330	0.8670	0.5549	0.6330
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9761	0.0239	0.9761	0.7958	0.3118
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9862	0.0138	0.9862	0.9592	0.1592
smk_can_187	0.6842	0.3158	0.6842	0.3523	0.7434
solar-flare	0.7410	0.0863	0.7410	0.6754	0.2758
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9559	0.0046	0.9559	0.9517	0.0313
spambase	0.9174	0.0826	0.9174	0.8225	0.3246
spect	0.6667	0.3333	0.6667	0.0899	0.8578
spectf	0.9143	0.0857	0.9143	0.7961	0.4377
spectrometer	0.6138	0.0169	0.5950	0.5982	0.0972
splice-EI	0.9811	0.0189	0.9811	0.9503	0.1652
splice-IE	0.9338	0.0662	0.9338	0.8140	0.3784
sport-articles	0.8300	0.1700	0.8300	0.6333	0.6202
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.5846	0.4154	0.5846	0.2595	0.5607
steel-d	0.8769	0.1231	0.8769	0.2105	0.4134
steel_industry	0.8893	0.0738	0.8893	0.8206	0.2488
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.6872	0.3128	0.6872	0.1520	0.6291
steel-p	0.7282	0.2718	0.7282	0.2806	0.4249
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9487	0.0513	0.9487	0.7639	0.4715
studentap	0.4615	0.3590	0.4615	0.1875	0.6941
student-weekend	0.2923	0.2831	0.2923	0.1053	0.6120
student-workday	0.7188	0.1125	0.7188	0.2976	0.3795
susy10%	0.7282	0.2718	0.7282	0.4302	0.6092
swarm_aligned	1.0000	0.0000	1.0000	0.9979	0.0000
swarm_flocking	1.0000	0.0004	1.0000	0.9869	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.7349
Tdp_desc	0.8611	0.1389	0.8611	0.6154	0.6155
texture	0.8982	0.0185	0.8982	0.8876	0.0990
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.4681	0.5319	0.4681	0.0623	0.5636
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8714	0.1286	0.8714	0.6409	0.5653
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.6471	0.1765	0.6471	0.5342	0.2560
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	0.0664	0.8772
trec11-wc	0.9024	0.0217	0.9024	0.8806	0.0795
trec12-wc	0.8710	0.0323	0.8710	0.8458	0.1187

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.7971	0.0763
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9437	0.0779
trec41-wc	0.9432	0.0114	0.9432	0.9312	0.0730
trec45-wc	0.9565	0.0087	0.9565	0.9494	0.0353
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8500	0.0750	0.8500	0.8000	0.1728
tvnews	0.9716	0.0552	0.9708	0.8909	0.2810
urban	0.8657	0.0299	0.8657	0.8436	0.1405
vehicle	0.8214	0.0893	0.8214	0.7541	0.2216
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5657	0.0790	0.5657	0.5222	0.2470
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
vrnormat310k-hg16-17	0.9065	0.0910	0.9354	0.0012	0.2386
wap-wc	0.7674	0.0222	0.8058	0.7670	0.1628
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0933
warppiel0p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8853	0.0328	0.8853	0.8660	0.1017
watch-gyr10%	0.8616	0.0395	0.8616	0.8383	0.1301
waveform	0.8040	0.1307	0.8040	0.7060	0.4240
web-phishing	0.8815	0.0790	0.8815	0.7913	0.3449
weight-lift	0.8189	0.0725	0.8189	0.7733	0.2559
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9648	0.0352	0.9648	0.7034	0.5172
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.2075	0.2642	0.2075	0.1016	0.4337
winequality-white	0.0982	0.2577	0.0982	0.0470	0.5020
winnipeg	0.9881	0.0064	0.9618	0.9985	0.0496
yale	0.6250	0.0500	0.6250	0.5983	0.0878
yeast	0.4257	0.1149	0.4257	0.3206	0.4579
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.8378	0.1622	0.8378	0.0084	0.4893
zip	0.8849	0.0230	0.8849	0.8712	0.1581
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 169: Detailed results for SIBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1605	0.0576	0.1580	0.0759	0.5234
abalone19	0.8134	0.1866	0.8134	0.0113	0.0930
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.8690	0.1310	0.8690	0.1565	0.2762
ads	0.9665	0.0335	0.9665	0.8570	0.2794
adult	0.8593	0.1407	0.8593	0.5692	0.5711
AID1284Morered	0.8611	0.1389	0.8611	0.3662	0.6914
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8730	0.1270	0.8730	0.0464	0.7227
AID1608Morered	0.8835	0.1165	0.8835	0.0804	0.6801
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.7360	0.2640	0.7360	0.0244	0.1372
AID373AID439red	1.0000	0.0003	0.9955	-0.0002	0.5104
AID373red	0.9850	0.0010	1.0000	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6523	0.3477	0.6523	-0.0002	0.0282
AID600_MACCS	0.5946	0.4054	0.5946	0.1120	0.9323
AID_602330	0.5833	0.4167	0.5833	-0.0549	0.2752
AID604	0.3018	0.6982	0.3018	0.0030	0.0145
AID604AID644_AllRed	0.6875	0.3125	0.6875	0.0023	0.0101
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8687	0.0875	0.8687	0.1062	0.3898
AID687AID721red	0.8088	0.1912	0.8088	0.0020	0.0089
AID687red	0.3653	0.6347	0.3653	-0.0003	0.0199
AID688red	0.1618	0.8382	0.1618	-0.0001	0.0406
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9806	0.0010	1.0000	0.0000	0.0056
AID746red	0.2337	0.7663	0.2337	0.0019	0.0269
AID_773	0.8148	0.1852	0.8148	0.1818	0.7177
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9766	0.1266
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9569	0.0216	0.9569	0.9162	0.0748
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9847	0.0038	0.9847	0.9748	0.0871
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0226
aps-failure	0.9928	0.0082	0.9750	0.7822	0.3153
arcene	0.8000	0.2000	0.8000	0.5652	0.6314
arrhythmia	0.7333	0.0410	0.7333	0.5694	0.2610
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8942	0.0110	0.8999	0.8573	0.0216
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8000	0.1294
avila	0.8481	0.0253	0.8481	0.7938	0.0873
balance	0.8065	0.1290	0.8065	0.6606	0.4046
bank	0.8924	0.1076	0.8924	0.5539	0.6119
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7880	0.2120	0.7880	0.4808	0.4959
basehock	0.9648	0.0352	0.9648	0.9297	0.1892
bio	0.9852	0.0147	0.9852	0.4878	0.5281
biodeg	0.8381	0.1619	0.8381	0.6412	0.5535
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0008	0.9824	0.4152	0.1816
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.2462	0.7021
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.8182	0.1818	0.8182	0.6452	0.4308
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.7000	0.0857	0.7000	0.5946	0.1601
bub10at310k-hg16-17	0.9255	0.0887	0.8973	0.0337	0.2358
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.7826	0.2174	0.7826	0.5340	0.6365
cardiotocography	0.8263	0.0347	0.8263	0.7902	0.1912
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7766	0.1990
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7260	0.2722
cas_N6512_cdk_ECFP2	0.5561	0.4439	0.5561	0.0404	0.5645
cdc_diabetes	0.7922	0.1385	0.7922	0.2136	0.5475
census10%	0.9694	0.0471	0.9740	0.4773	0.4602
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9070	0.0930	0.9070	-0.0456	0.6842
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9005	0.2628
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	1.0000	0.9052	0.0700
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.7091	0.2909	0.7091	0.2605	0.6246
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6757	0.5611
ci200186m_ExtendedFingerprinter	0.8000	0.2000	0.8000	0.5101	0.3912
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2499	0.6479
cirrhosis	0.7143	0.1905	0.7143	0.4286	0.5050
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8222	0.0889	0.8222	0.7221	0.3554
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5170	0.3220	0.5170	0.1887	0.5563
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0764
codon_usage	0.8573	0.0260	0.8573	0.8255	0.2010
coil20	0.9722	0.0028	0.9722	0.9708	0.0195
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1215	0.9927
colposcopies-2	0.6207	0.3793	0.6207	0.1163	0.9016
colposcopies-3	0.6207	0.3793	0.6207	0.2276	0.9066
colposcopies-4	0.8276	0.1724	0.8276	0.5118	0.5950

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.5172	0.4828	0.5172	0.0193	0.9605
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9355	0.0645	0.9355	0.8524	0.3445
column-3c	0.8065	0.1290	0.8065	0.6810	0.2682
connect-4	0.9648	0.0235	0.9648	0.5346	0.5151
cottonmeloidogyne	0.5601	0.4399	0.5601	0.1129	0.6207
coupon	0.6554	0.3446	0.6554	0.2338	0.6749
covtype	0.9644	0.0113	0.9592	0.9451	0.1077
covtypeCD	0.9702	0.0298	0.9702	0.8696	0.2522
covtypeT	0.9574	0.0426	0.9574	0.7119	0.5060
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8829	0.0390	0.8829	0.7616	0.3552
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.2812	0.0359	0.2812	0.2596	0.1228
cyclopentane	0.6296	0.3704	0.6296	0.2241	0.8800
cylinder-bands	0.7222	0.2778	0.7222	0.3873	0.6049
darwin	0.7778	0.2222	0.7778	0.5556	0.7044
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7803	0.2197	0.7803	0.0353	0.4939
deposit	0.8923	0.1077	0.8923	0.4883	0.6402
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4545	0.3797
dexter	0.8777	0.1325	0.8576	0.7457	0.5050
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.4827	0.3438	0.4951	0.0396	0.6621
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.1304	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5560	0.4411	0.5498	0.1101	0.9485
dropout	0.7517	0.1655	0.7517	0.5672	0.4246
drug-01	0.3670	0.1809	0.3670	-0.0221	0.5067
drug-02	0.4894	0.1459	0.4894	0.1739	0.4861
drug-03	0.5426	0.1307	0.5426	0.0012	0.6668
drug-04	0.4734	0.1505	0.4734	0.0868	0.6358
drug-05	0.6330	0.1049	0.6330	-0.0326	0.6371
drug-06	0.4255	0.1641	0.4255	0.2578	0.4472
drug-07	0.4415	0.1596	0.4415	0.0326	0.3113
drug-08	0.5372	0.1322	0.5372	0.0709	0.4512
drug-09	0.7447	0.0729	0.7447	0.0491	0.5079
drug-10	0.5372	0.1322	0.5372	0.0956	0.4324
drug-11	0.6223	0.1079	0.6223	0.1181	0.5438
drug-12	0.6117	0.1109	0.6117	0.1625	0.6122
drug-13	0.6117	0.1109	0.6117	0.2379	0.3871
drug-14	0.5904	0.1170	0.5904	0.2089	0.4639
drug-15	0.6117	0.1109	0.6117	0.1426	0.7194
drug-16	0.5106	0.1398	0.5106	0.1364	0.5467
drug-17	0.3511	0.1854	0.3511	0.0989	0.5318
drug-18	0.9840	0.0064	0.9840	-0.0071	0.1376
drug-19	0.6862	0.0897	0.6862	0.0562	0.4717
drybean	0.9126	0.0250	0.9126	0.8939	0.1231
ecoli	0.7941	0.0515	0.7941	0.7122	0.1297
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8197	0.1808
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2973	0.0878	0.2973	0.1990	0.4969
eeg-eye	0.6328	0.3672	0.6328	0.2000	0.5765
EPA_FHM	0.9672	0.0328	0.9672	0.7325	0.4349
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5062	0.5312
er_tox_rdkit_ATOMPAIR	0.9016	0.0984	0.9016	0.2009	0.6023
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4362	0.7630
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9020	0.2532
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9032	0.0968	0.9032	0.3564	0.5599
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.4616	0.7249
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.7397	0.1041	0.7397	0.6617	0.2760
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9650	0.0215	0.9739	0.9815	0.1392
fbis-wc	0.8171	0.0215	0.8171	0.7917	0.1202
fda.atompair_fp	0.6364	0.3636	0.6364	-0.1579	0.9308
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6785	0.1105
fontaine_MACCS	0.8864	0.1136	0.8864	0.7639	0.4657
fonts10%	0.5018	0.0068	0.4954	0.4448	0.2885
forest	0.8846	0.0577	0.8846	0.8398	0.1322
gas	0.9928	0.0024	0.9928	0.9913	0.0181
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5895	0.2737	0.5895	0.0180	0.3908
gene	0.9401	0.0400	0.9401	0.9045	0.1861
german	0.6200	0.3800	0.6200	-0.0243	0.8374
gina	0.7435	0.2565	0.7435	0.4834	0.6772
glass	0.8095	0.0635	0.8095	0.7308	0.1751
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4444	0.1161
glioma-grade	0.8333	0.1667	0.8333	0.6456	0.5506
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.7667	0.2333	0.7667	0.2553	0.6855
hapt	0.9305	0.0116	0.9305	0.9178	0.0588
har70	0.9450	0.0230	0.9495	0.9084	0.1167
harth10%	0.8451	0.0258	0.8451	0.7870	0.2094
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8063	0.1977	0.8127	0.5953	0.5880
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higgs10%	0.5598	0.4573	0.5573	0.0527	0.6074
higher	0.4286	0.1429	0.4286	0.3000	0.2320
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8988	0.1012	0.8988	0.5941	0.5064
hiva	0.9480	0.0520	0.9480	0.0583	0.6284
horse	0.6389	0.2407	0.6389	0.3276	0.5311
htru2	0.9765	0.0235	0.9765	0.8526	0.2515
ht-sensor	0.6920	0.2053	0.6920	0.5464	0.3379
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.2643	0.7483
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8845	0.0089	0.8845	0.8798	0.1007
jm1	0.8108	0.1892	0.8108	0.1230	0.5922
jvowels	0.9779	0.0049	0.9779	0.9750	0.0343
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5898	0.0360	0.5603	0.2587	0.2102
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.1734	0.7219
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9205	0.0088	0.9205	0.9112	0.0990
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7429	0.0888	0.7466	0.6804	0.3673
la2s-wc	0.7558	0.0809	0.7679	0.6819	0.3293
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6785	0.0159	0.6788	0.6755	0.0632
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9500	0.0038	0.9500	0.9480	0.0556
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7778	0.0296	0.7778	0.7614	0.0683
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0003
liver	0.6765	0.3235	0.6765	0.1614	0.8608
localization	0.5573	0.0805	0.5573	0.4357	0.4946
lrs	0.8491	0.0302	0.8491	0.7908	0.1021
lsvt	0.6923	0.3077	0.6923	0.3659	0.7711
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5266	0.2752
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7358	0.2091
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5038	0.4962	0.5038	0.0077	0.9448
magic04	0.7659	0.2341	0.7659	0.4027	0.5190

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6979	0.3021	0.6979	0.3846	0.7992
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5359	0.3746
messidor	0.6174	0.3826	0.6174	0.1678	0.8384
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9700	0.0060	0.9700	0.9667	0.0353
mfeat-fou	0.7950	0.0410	0.7950	0.7722	0.1631
mfeat-kar	0.9750	0.0050	0.9750	0.9722	0.0290
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.2156
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0309
mfeat-zer	0.7600	0.0480	0.7600	0.7333	0.1862
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5211	0.3568
mobile	0.8881	0.0040	0.8881	0.8861	0.0505
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9508	0.0492	0.9508	0.8872	0.1731
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9455	0.0545	0.9455	0.7807	0.3682
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.4706	0.5294	0.4706	-0.0588	0.7608
mutagen_class_3	0.5217	0.4783	0.5217	0.0298	0.5261
mutagens_ExtendedFingerprinter	0.6324	0.3676	0.6324	0.2647	0.6983
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2409	0.7691
MUT_ci300400a	0.6103	0.3897	0.6103	0.1021	0.6059
MUT_ci300400a_cdk_ECFP2	0.5971	0.4029	0.5971	0.0463	0.6097
myocardial	0.7647	0.0588	0.7647	0.1964	0.5913
naticusdroid	0.9206	0.0794	0.9206	0.8411	0.3245
nci9	0.3333	0.1481	0.3333	0.2258	0.1741
ncRNA10%	0.6805	0.0336	0.6805	0.4464	0.7086
newspop	0.5320	0.4680	0.5320	0.0001	0.5595
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9382	0.0618	0.9382	0.8438	0.3091
NPHA-doctor-visits	0.5000	0.3333	0.5000	0.0639	0.7339
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0775
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.8812	0.0238	0.8812	0.8632	0.1008
oh10-wc	0.7333	0.0533	0.7333	0.6922	0.1973
oh15-wc	0.8152	0.0370	0.8152	0.7880	0.1496
oh5-wc	0.7912	0.0418	0.7912	0.7621	0.1600
opn310k	0.9245	0.0771	0.9252	0.4469	0.5537
opnat310k-hg16-17	0.9293	0.0903	0.9317	0.0377	0.2416
optdigits	0.9680	0.0064	0.9680	0.9644	0.0479
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.5500	0.0225	0.5500	0.5385	0.0865
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8340	0.1660	0.8340	0.2549	0.3602
ozone8hr	0.7866	0.2134	0.7866	0.1338	0.5658
p53-mutants10%	1.0000	0.0031	0.9866	0.0000	0.0146
page-blocks	0.9762	0.0095	0.9762	0.8638	0.3026

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8550	0.1675
particle	0.8319	0.1681	0.8319	0.5085	0.4899
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.5619	0.4381	0.5619	-0.0326	0.7696
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.8529	0.0420	0.8529	0.8178	0.1029
pendigits	0.9927	0.0015	0.9927	0.9919	0.0124
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7423	0.2577	0.7423	0.3093	0.5479
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9348
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6800	0.5754
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9633	0.0367	0.9633	0.9219	0.1785
phoneme	0.7963	0.2037	0.7963	0.5317	0.6921
phy	0.6196	0.3804	0.6196	0.2364	0.7072
pima	0.6974	0.3026	0.6974	0.2974	0.7169
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.7857	0.0451	0.7686	0.6022	0.1762
polish-1st	0.2020	0.7980	0.2020	-0.0040	0.1629
polish-2nd	0.9617	0.0383	0.9617	0.0470	0.1111
polish-3rd	0.9476	0.0524	0.9476	-0.0087	0.4454
polish-4th	0.8786	0.1214	0.8786	0.2400	0.5688
polish-5th	0.9188	0.0812	0.9188	0.4460	0.6238
polya	0.6508	0.3492	0.6508	0.0423	0.5859
popularity	0.6295	0.2470	0.6295	0.0029	0.3589
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9444	0.0222	0.9444	0.9304	0.0815
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.7947
primary-tumor	0.4545	0.0496	0.4545	0.3926	0.2178
profb	0.7313	0.2687	0.7313	0.2519	0.5952
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9568	0.0173	0.9568	0.9419	0.0684
pufs-6410%	0.5088	0.5071	0.5045	0.0011	0.9640
raisin	0.8222	0.1778	0.8222	0.6444	0.5603
re0-wc	0.8867	0.0174	0.8867	0.8516	0.1290
re1-wc	0.7892	0.0169	0.7892	0.7603	0.1909
rejafada	1.0000	0.0000	1.0000	0.9957	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	0.9966	0.0000
rocket	0.5849	0.4151	0.5849	-0.0131	0.6201
RT_IOT2022	0.9774	0.0007	0.9918	0.9945	0.0058
satimage	0.8896	0.0368	0.8896	0.8631	0.1533
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8383	0.1617	0.8383	0.4193	0.5986
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.3824	0.6176	0.3824	-0.2353	0.9863
secom	0.9038	0.0962	0.9038	0.0685	0.6839
secondary_mushroom	0.6923	0.3077	0.6923	0.3316	0.4784
segment	0.9740	0.0074	0.9740	0.9696	0.0387
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9380	0.0620	0.9380	0.1046	0.1594
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8474	0.1526	0.8474	0.0613	0.7067
sens-2-gram	0.8553	0.1447	0.8553	0.0534	0.6462
sens-3-gram	0.8553	0.1447	0.8553	-0.0245	0.5852
sens-4-gram	0.8721	0.1439	0.8476	0.1300	0.6493
sensorless	0.9962	0.0007	0.9962	0.9959	0.0082
sepsis	0.9093	0.0907	0.9093	0.0026	0.2305
shoppers	0.8881	0.1119	0.8881	0.5688	0.6094
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8412	0.2443
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9995	0.0005	0.9995	0.9985	0.0070
smk_can_187	0.4211	0.5789	0.4211	-0.1547	1.0000
solar-flare	0.7050	0.0983	0.7050	0.6182	0.2087
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9087	0.0913	0.9087	0.8031	0.3422
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6148	0.0165	0.6050	0.5758	0.0954
splice-EI	0.9716	0.0284	0.9716	0.9257	0.2218
splice-IE	0.9590	0.0410	0.9590	0.8880	0.2911
sport-articles	0.7600	0.2400	0.7600	0.4278	0.6313
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8256	0.1744	0.8256	0.3872	0.6772
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8759	0.0828	0.8759	0.7947	0.2499
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.7231	0.2769	0.7231	0.2994	0.7151
steel-p	0.9590	0.0410	0.9590	0.6927	0.3700
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1727	0.7242
student-weekend	0.4154	0.2338	0.4154	0.1222	0.5455
student-workday	0.7344	0.1062	0.7344	0.2201	0.2202
susy10%	0.7031	0.2969	0.7031	0.3728	0.5734
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9872	0.0004	1.0000	0.9987	0.0047
swarm_grouped	1.0000	0.0000	0.9914	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6480
Tdp_desc	0.8611	0.1389	0.8611	0.6154	0.6155
texture	0.9800	0.0036	0.9800	0.9780	0.0287
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8515	0.1349	0.8882	0.6253	0.5900
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5364	0.1783
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7467	0.2533	0.7467	0.0286	0.7084
trec11-wc	0.9024	0.0217	0.9024	0.8797	0.0323
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8118	0.1446
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9714	0.0406
trec41-wc	0.9659	0.0068	0.9659	0.9583	0.0355
trec45-wc	0.9275	0.0145	0.9275	0.9155	0.0459
tuandromd	0.9798	0.0202	0.9798	0.9349	0.0789
turkish	0.8000	0.1000	0.8000	0.7333	0.2506
tvnews	0.9478	0.0549	0.9686	0.8982	0.2856
urban	0.8657	0.0299	0.8657	0.8421	0.1105
vehicle	0.7500	0.1250	0.7500	0.6711	0.1789
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5960	0.0735	0.5960	0.5556	0.1993
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9047	0.0896	0.9395	0.0011	0.2498
wap-wc	0.8042	0.0223	0.8055	0.7405	0.1644
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9048	0.0190	0.9048	0.8937	0.0441
watch-acc10%	0.8993	0.0288	0.8993	0.8822	0.0452
watch-gyr10%	0.9112	0.0254	0.9112	0.8963	0.0449
waveform	0.6640	0.2240	0.6640	0.4963	0.4890
web-phishing	0.8222	0.1185	0.8222	0.6781	0.4460
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5346	0.1551	0.5346	0.2179	0.4294
winequality-white	0.5051	0.1414	0.5051	0.1438	0.3690
winnipeg	0.9971	0.0062	0.9782	0.9699	0.0489
yale	0.5625	0.0583	0.5625	0.5294	0.1071
yeast	0.4122	0.1176	0.4122	0.2547	0.3317
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9257	0.0743	0.9257	-0.0356	0.6620
zip	0.9409	0.0118	0.9409	0.9337	0.0888
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 170: Detailed results for SIBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1598	0.0587	0.1610	0.0763	0.5102
abalone19	0.7847	0.2153	0.7847	0.0080	0.0843
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.7865	0.2135	0.7865	0.1093	0.1927
ads	0.9726	0.0274	0.9726	0.8808	0.2032
adult	0.8595	0.1405	0.8595	0.5700	0.5707
AID1284Morered	0.8889	0.1111	0.8889	0.4419	0.5820
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8730	0.1270	0.8730	0.0464	0.7227
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.7383	0.2617	0.7383	0.0249	0.1380
AID373AID439red	1.0000	0.0003	0.9872	-0.0002	0.4941
AID373red	1.0000	0.0010	1.0000	0.0000	0.0054
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6463	0.3537	0.6463	-0.0003	0.0280
AID600_MACCS	0.7027	0.2973	0.7027	0.3488	0.7940
AID_602330	0.5833	0.4167	0.5833	-0.0549	0.2752
AID604	0.9904	0.0019	0.9911	0.6432	0.0094
AID604AID644_AllRed	1.0000	0.0010	1.0000	0.0000	0.0056
AID644Morered	0.6500	0.3500	0.6500	0.0278	0.9068
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8182	0.1212	0.8182	0.1490	0.6133
AID687AID721red	0.8085	0.1915	0.8085	0.0019	0.0089
AID687red	0.3629	0.6371	0.3629	-0.0004	0.0199
AID688red	0.1670	0.8330	0.1670	0.0000	0.0408
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	1.0000	0.0010	1.0000	0.0000	0.0057
AID746red	0.2278	0.7722	0.2278	0.0017	0.0268
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8769	0.1231	0.8769	0.6176	0.5221
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9766	0.1266
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9492	0.0598
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9708	0.0073	0.9708	0.9519	0.1437
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0265
aps-failure	0.9724	0.0079	1.0000	0.7673	0.3165
arcene	0.8000	0.2000	0.8000	0.5455	0.4011
arrhythmia	0.6889	0.0479	0.6889	0.4469	0.2954
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8852	0.0109	0.8917	0.8637	0.0225
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8313	0.0281	0.8313	0.7873	0.2322
balance	0.8226	0.1183	0.8226	0.6886	0.3604
bank	0.9014	0.0986	0.9014	0.5547	0.6138
banknote	0.9927	0.0073	0.9927	0.9852	0.0474

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7811	0.2189	0.7811	0.4630	0.5187
basehock	0.9698	0.0302	0.9698	0.9397	0.1709
bio	0.9830	0.0030	0.9825	0.8218	0.1215
biodeg	0.7810	0.2190	0.7810	0.4889	0.5601
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9738	0.0008	1.0000	0.4178	0.1805
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1621
bub10at310k-hg16-17	0.9095	0.0883	0.9134	0.0326	0.2315
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9885	0.0057	0.9885	0.9750	0.0198
card	0.8696	0.1304	0.8696	0.7231	0.4278
cardiotocography	0.8545	0.0291	0.8545	0.8270	0.1786
cardiotocography-nsp	0.9061	0.0626	0.9061	0.7287	0.3341
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6049	0.3782
cas_N6512_cdk_ECFP2	0.5407	0.4593	0.5407	0.0046	0.5680
cdc_diabetes	0.4240	0.3840	0.4240	0.0882	0.2961
census10%	0.9424	0.0471	0.9592	0.4592	0.4663
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	1.0000	0.0000	1.0000	1.0000	0.0000
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	1.0000	0.8805	0.0705
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.5802	0.5823
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6757	0.5611
ci200186m_ExtendedFingerprinter	0.7818	0.2182	0.7818	0.4720	0.5572
ci900367j_MACCS	0.6632	0.3368	0.6632	0.1775	0.7606
cirrhosis	0.7381	0.1746	0.7381	0.4762	0.4797
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8102	0.0949	0.8102	0.7047	0.4163
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cil_sub_111	0.5000	0.3333	0.5000	0.1818	0.4294
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5646	0.2902	0.5646	0.3276	0.6949
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0601
codon_usage	0.7252	0.0500	0.7252	0.6759	0.4010
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	-0.1254	0.9808
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6207	0.3793	0.6207	0.1671	0.8893
colposcopies-4	0.8276	0.1724	0.8276	0.4649	0.3439

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.3439	0.7289
colposcopies-6	0.6207	0.3793	0.6207	0.2276	0.8192
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9648	0.0235	0.9648	0.5257	0.5224
cottonmeloidogyne	0.5312	0.4688	0.5312	0.0540	0.5608
coupon	0.6672	0.3328	0.6672	0.2634	0.6747
covtype	0.9602	0.0115	0.9495	0.9297	0.1085
covtypeCD	0.9791	0.0209	0.9791	0.9099	0.1983
covtypeT	0.9639	0.0361	0.9639	0.7462	0.4710
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8396	0.0535	0.8396	0.6893	0.4434
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2918	0.1176
cyclopentane	0.6667	0.3333	0.6667	0.3193	0.8634
cylinder-bands	0.7037	0.2963	0.7037	0.3425	0.6183
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7803	0.2197	0.7803	0.0225	0.4461
deposit	0.8894	0.1106	0.8894	0.4717	0.6474
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6000	0.2311
dexter	0.8940	0.1324	0.8944	0.7271	0.5037
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.4965	0.3379	0.4864	0.0412	0.6913
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5695	0.4450	0.5617	0.1094	0.9903
dropout	0.6659	0.2227	0.6659	0.4781	0.5258
drug-01	0.0851	0.2614	0.0851	0.0067	0.6691
drug-02	0.3883	0.1748	0.3883	0.1462	0.6547
drug-03	0.4574	0.1550	0.4574	0.0981	0.5023
drug-04	0.2713	0.2082	0.2713	0.0809	0.6458
drug-05	0.4362	0.1611	0.4362	-0.0162	0.5731
drug-06	0.3298	0.1915	0.3298	0.1977	0.6685
drug-07	0.0745	0.2644	0.0745	-0.0093	0.5403
drug-08	0.4681	0.1520	0.4681	0.1257	0.6381
drug-09	0.6596	0.0973	0.6596	0.1428	0.4106
drug-10	0.3351	0.1900	0.3351	0.0704	0.6841
drug-11	0.5638	0.1246	0.5638	0.1154	0.4745
drug-12	0.4894	0.1459	0.4894	0.0704	0.5071
drug-13	0.4415	0.1596	0.4415	0.1494	0.6483
drug-14	0.5106	0.1398	0.5106	0.2405	0.4678
drug-15	0.4309	0.1626	0.4309	0.0721	0.6332
drug-16	0.4947	0.1444	0.4947	0.2015	0.6283
drug-17	0.1755	0.2356	0.1755	0.0621	0.6804
drug-18	0.9787	0.0085	0.9787	-0.0053	0.1734
drug-19	0.6277	0.1064	0.6277	0.0218	0.4058
drybean	0.9162	0.0239	0.9162	0.8987	0.1331
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1026	0.1122	0.1026	0.0781	0.5138
eeg-eye	0.6175	0.3825	0.6175	0.1627	0.5572
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2778	0.7583
er_tox_cdk_ECFP2	0.7333	0.2667	0.7333	0.3416	0.7277
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.3754	0.5647
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.4745	0.6179
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.4061	0.5795
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.5300	0.3399
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.5890	0.1644	0.5890	0.4807	0.4015
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	1.0000	0.0223	0.9945	0.9559	0.1385
fbis-wc	0.8374	0.0191	0.8374	0.8155	0.1560
fda.atompair_fp	0.6818	0.3182	0.6818	-0.0845	0.8266
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.5280	0.1623
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4786	0.0068	0.4872	0.4625	0.2802
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9942	0.0019	0.9942	0.9930	0.0149
gastrointestinal	0.9375	0.0417	0.9375	0.9006	0.1278
gender	0.5895	0.2737	0.5895	0.0053	0.3363
gene	0.9558	0.0294	0.9558	0.9291	0.1423
german	0.6300	0.3700	0.6300	-0.0054	0.7984
gina	0.7233	0.2767	0.7233	0.4407	0.5662
glass	0.8571	0.0476	0.8571	0.8031	0.1578
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8095	0.1905	0.8095	0.5880	0.5460
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2857	0.5295
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9616	0.0064	0.9616	0.9546	0.0406
har70	0.9145	0.0236	0.9372	0.8804	0.1189
harth10%	0.5723	0.0713	0.5723	0.4627	0.3408
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8667	0.1333	0.8667	0.7273	0.3522
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8017	0.1943	0.8036	0.6099	0.6027
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.5616	0.4433	0.5698	0.0533	0.5881
higher	0.3571	0.1607	0.3571	0.2364	0.2722
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9106	0.0894	0.9106	0.6611	0.4962
hiva	0.9409	0.0591	0.9409	0.0439	0.6281
horse	0.5278	0.3148	0.5278	0.0642	0.6196
htru2	0.9760	0.0240	0.9760	0.8537	0.2926
ht-sensor	0.6725	0.2183	0.6725	0.5189	0.3692
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7627	0.2373	0.7627	0.2677	0.5933
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8742	0.0097	0.8742	0.8692	0.1090
jm1	0.8062	0.1938	0.8062	0.0600	0.5454
fvowels	0.9147	0.0190	0.9147	0.9033	0.1108
kc1	0.8436	0.1564	0.8436	0.1999	0.6600
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5812	0.0356	0.5736	0.2568	0.2144
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.1011	0.8298
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9226	0.0086	0.9226	0.9136	0.1091
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7225	0.0903	0.7583	0.6601	0.3701
la2s-wc	0.7778	0.0809	0.7878	0.6922	0.3295
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6710	0.0159	0.6722	0.6613	0.0642
led24	0.7000	0.0600	0.7000	0.6639	0.1376
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4995	0.0385	0.4995	0.4796	0.3029
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8056	0.0259	0.8056	0.7916	0.0676
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.6765	0.3235	0.6765	0.1137	0.8220
localization	0.0534	0.1721	0.0534	0.0314	0.5201
lrs	0.7925	0.0415	0.7925	0.7152	0.1544
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5038	0.4962	0.5038	0.0077	0.7994
magic04	0.7449	0.2551	0.7449	0.3330	0.4884

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5132	0.7081
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7308	0.3648
messidor	0.6348	0.3652	0.6348	0.1937	0.7339
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0316
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1670
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0613
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2170
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0379
mfeat-zer	0.7500	0.0500	0.7500	0.7222	0.1807
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0110
mines	0.6471	0.1412	0.6471	0.5556	0.3621
mobile	0.8182	0.0065	0.8182	0.8149	0.0844
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9455	0.0545	0.9455	0.7879	0.3952
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.7559
mutagen_class_2	0.4853	0.5147	0.4853	-0.0294	0.6753
mutagen_class_3	0.5072	0.4928	0.5072	0.0009	0.6703
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.6910
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.2856	0.8232
MUT_ci300400a	0.6291	0.3709	0.6291	0.1530	0.6262
MUT_ci300400a_cdk_ECFP2	0.5887	0.4113	0.5887	0.0186	0.5472
myocardial	0.5588	0.1103	0.5588	0.1286	0.3368
naticusdroid	0.9342	0.0658	0.9342	0.8684	0.2920
nci9	0.8333	0.0370	0.8333	0.8065	0.0000
ncRNA10%	0.9374	0.0098	0.9165	0.7409	0.2077
newspop	0.5323	0.4677	0.5323	0.0001	0.5331
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9391	0.0609	0.9391	0.8432	0.2632
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0922	0.7078
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0756
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9406	0.0119	0.9406	0.9321	0.0606
oh10-wc	0.8190	0.0362	0.8190	0.7944	0.1830
oh15-wc	0.9022	0.0196	0.9022	0.8891	0.0933
oh5-wc	0.8242	0.0352	0.8242	0.8025	0.1660
opn310k	0.9158	0.0792	0.9275	0.4372	0.5447
opnat310k-hg16-17	0.9039	0.0878	0.8958	0.0388	0.2529
optdigits	0.9680	0.0064	0.9680	0.9644	0.0459
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9250	0.0037	0.9250	0.9231	0.0124
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8340	0.1660	0.8340	0.2549	0.3602
ozone8hr	0.8458	0.1542	0.8458	0.2397	0.6182
p53-mutants10%	1.0000	0.0031	1.0000	0.0000	0.0146
page-blocks	0.9817	0.0073	0.9817	0.8952	0.2629

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8467	0.1533	0.8467	0.5636	0.4878
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.6082	0.3918	0.6082	0.0895	0.7181
pd	0.9211	0.0789	0.9211	0.7736	0.3429
pediatric-leukemia	0.8824	0.0336	0.8824	0.8550	0.1052
pendigits	0.9927	0.0015	0.9927	0.9919	0.0141
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.7474	0.2526	0.7474	0.3377	0.6106
P-Glycoprotein_b_Substrate	0.5000	0.5000	0.5000	0.0000	0.9644
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7937	0.2063	0.7937	0.5788	0.6104
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.8500	0.1500	0.8500	0.6809	0.5520
phishing	0.9755	0.0245	0.9755	0.9482	0.1381
phoneme	0.8074	0.1926	0.8074	0.5403	0.6901
phy	0.6298	0.3702	0.6298	0.2571	0.7152
pima	0.6842	0.3158	0.6842	0.2525	0.6773
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7868	0.0438	0.7708	0.5931	0.1737
polish-1st	0.3115	0.6885	0.3115	-0.0000	0.1828
polish-2nd	0.2458	0.7542	0.2458	0.0141	0.1476
polish-3rd	0.5990	0.4010	0.5990	0.0586	0.2913
polish-4th	0.8745	0.1255	0.8745	0.2726	0.5517
polish-5th	0.9255	0.0745	0.9255	0.4361	0.6209
polya	0.6551	0.3449	0.6551	0.0589	0.5940
popularity	0.6310	0.2460	0.6310	0.0015	0.3086
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9287	0.0285	0.9287	0.9108	0.1353
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.6231
primary-tumor	0.2424	0.0689	0.2424	0.1692	0.2930
profb	0.7612	0.2388	0.7612	0.3709	0.6432
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9653	0.0139	0.9653	0.9535	0.0905
pufs-6410%	0.4977	0.5039	0.5176	0.0011	0.9782
raisin	0.8778	0.1222	0.8778	0.7556	0.4478
re0-wc	0.7867	0.0328	0.7867	0.7292	0.3061
re1-wc	0.8494	0.0120	0.8494	0.8307	0.1551
rejafada	0.9822	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	0.9836	0.0000
rocket	0.5980	0.4020	0.5980	0.0232	0.6003
RT_IOT2022	1.0000	0.0007	0.9792	1.0000	0.0057
satimage	0.8243	0.0586	0.8243	0.7860	0.2139
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8740	0.1260	0.8740	0.4642	0.6308
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4706	0.5294	0.4706	-0.0588	0.8605
secom	0.9231	0.0769	0.9231	0.1103	0.6287
secondary_mushroom	0.7704	0.2296	0.7704	0.5104	0.4362
segment	0.9697	0.0087	0.9697	0.9646	0.0367
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.2336	0.6472
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8263	0.1737	0.8263	0.0249	0.7716
sens-2-gram	0.8658	0.1342	0.8658	0.1223	0.5839
sens-3-gram	0.8632	0.1368	0.8632	0.0445	0.5361
sens-4-gram	0.8840	0.1427	0.8699	0.1318	0.6696
sensorless	0.9993	0.0001	0.9993	0.9992	0.0016
sepsis	0.9093	0.0907	0.9093	0.0028	0.2242
shoppers	0.8848	0.1152	0.8848	0.5765	0.6166
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9761	0.0239	0.9761	0.7875	0.2654
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0080
smk_can_187	0.5789	0.4211	0.5789	0.1556	0.9466
solar-flare	0.7122	0.0959	0.7122	0.6390	0.2806
sonar	0.7000	0.3000	0.7000	0.4000	0.8211
soybean	0.9706	0.0031	0.9706	0.9677	0.0184
spambase	0.9239	0.0761	0.9239	0.8364	0.2902
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.6161	0.0170	0.6160	0.5792	0.0944
splice-EI	0.9748	0.0252	0.9748	0.9342	0.2081
splice-IE	0.9464	0.0536	0.9464	0.8522	0.3405
sport-articles	0.7600	0.2400	0.7600	0.4206	0.5875
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8308	0.1692	0.8308	0.3860	0.6426
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8804	0.0797	0.8804	0.8031	0.2477
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7538	0.2462	0.7538	0.3869	0.6656
steel-p	0.9333	0.0667	0.9333	0.5697	0.5736
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	1.0000	0.0000	1.0000	1.0000	0.0000
studentap	0.4615	0.3590	0.4615	0.1574	0.5118
student-weekend	0.3692	0.2523	0.3692	0.1483	0.7005
student-workday	0.7500	0.1000	0.7500	0.2213	0.1906
susy10%	0.7141	0.2859	0.7141	0.3977	0.5849
swarm_aligned	1.0000	0.0000	0.9978	0.9942	0.0000
swarm_flocking	1.0000	0.0004	0.9997	0.9898	0.0048
swarm_grouped	1.0000	0.0000	0.9954	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9818	0.0033	0.9818	0.9800	0.0270
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8936	0.1064	0.8936	0.4051	0.2404
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8829	0.1361	0.8924	0.6092	0.5926
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8440	0.0951
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7333	0.2667	0.7333	-0.0504	0.7271
trec11-wc	0.9024	0.0217	0.9024	0.8807	0.0775
trec12-wc	0.8710	0.0323	0.8710	0.8448	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8796	0.1172
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0650
trec41-wc	0.9545	0.0091	0.9545	0.9448	0.0456
trec45-wc	0.9420	0.0116	0.9420	0.9324	0.0475
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8000	0.1000	0.8000	0.7333	0.2193
tvnews	0.9720	0.0557	0.9712	0.8921	0.2788
urban	0.8507	0.0332	0.8507	0.8258	0.1334
vehicle	0.7619	0.1190	0.7619	0.6773	0.2062
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6061	0.0716	0.6061	0.5667	0.1909
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9067	0.0906	0.8981	0.0012	0.2399
wap-wc	0.8030	0.0221	0.7906	0.7481	0.1619
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9585	0.0119	0.9585	0.9514	0.0427
watch-gyr10%	0.9714	0.0082	0.9714	0.9666	0.0366
waveform	0.7600	0.1600	0.7600	0.6398	0.4743
web-phishing	0.8296	0.1136	0.8296	0.6924	0.4207
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0033
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9814	0.0186	0.9814	0.8065	0.3702
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4969	0.1677	0.4969	0.2798	0.5973
winequality-white	0.1759	0.2355	0.1759	0.0712	0.5385
winnipeg	1.0000	0.0062	0.9983	0.9843	0.0490
yale	0.6875	0.0417	0.6875	0.6667	0.0824
yeast	0.3919	0.1216	0.3919	0.2824	0.4694
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.9323	0.0135	0.9323	0.9241	0.0996
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 171: Detailed results for MIBBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1629	0.0597	0.1581	0.0752	0.5215
abalone19	0.8038	0.1962	0.8038	0.0101	0.0898
abalone9-18	0.9041	0.0959	0.9041	0.1718	0.6407
accelerometer	0.8268	0.1732	0.8268	0.1244	0.2274
ads	0.9787	0.0213	0.9787	0.9090	0.1832
adult	0.8565	0.1435	0.8565	0.5619	0.5829
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.8835	0.1165	0.8835	0.0817	0.6371
AID_1878	0.7905	0.2095	0.7905	0.1109	0.7846
AID362red	0.7009	0.2991	0.7009	0.0469	0.1235
AID373AID439red	1.0000	0.0003	0.9840	-0.0002	0.5048
AID373red	0.9872	0.0010	0.9862	0.0000	0.0054
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6463	0.3537	0.6463	-0.0003	0.0280
AID600_MACCS	0.8378	0.1622	0.8378	0.6563	0.5784
AID_602330	0.5521	0.4479	0.5521	-0.0341	0.2656
AID604	1.0000	0.0019	0.9895	0.6579	0.0095
AID604AID644_AllRed	0.6855	0.3145	0.6855	0.0022	0.0101
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8182	0.1212	0.8182	0.1161	0.6022
AID687AID721red	0.8088	0.1912	0.8088	0.0020	0.0089
AID687red	0.3641	0.6359	0.3641	-0.0003	0.0199
AID688red	0.1574	0.8426	0.1574	-0.0011	0.0425
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9836	0.0010	1.0000	0.0000	0.0055
AID746red	0.2337	0.7663	0.2337	0.0019	0.0269
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9494	0.0620
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9791	0.0052	0.9791	0.9656	0.0732
anuran-species	0.9861	0.0028	0.9861	0.9807	0.0210
aps-failure	0.9938	0.0080	1.0000	0.7748	0.3256
arcene	0.8500	0.1500	0.8500	0.6667	0.3522
arrhythmia	0.8000	0.0308	0.8000	0.6571	0.1733
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8895	0.0112	0.8775	0.8474	0.0217
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8644	0.0226	0.8644	0.8170	0.0906
balance	0.8065	0.1290	0.8065	0.6565	0.4422
bank	0.9024	0.0976	0.9024	0.5420	0.6168
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7834	0.2166	0.7834	0.4661	0.4823
basehock	0.9648	0.0352	0.9648	0.9296	0.2045
bio	0.9881	0.0119	0.9881	0.5429	0.5389
biodeg	0.8000	0.2000	0.8000	0.5477	0.6080
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	1.0000	0.0008	1.0000	0.4243	0.1861
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6786	0.3214	0.6786	0.0308	0.8648
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0351	0.9096
breast-tissue	0.8182	0.0606	0.8182	0.7755	0.1061
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.9108	0.0926	0.9251	0.0331	0.2315
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8551	0.1449	0.8551	0.6909	0.4493
cardiotocography	0.8592	0.0282	0.8592	0.8298	0.1432
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8031	0.2339
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7630	0.2782
cas_N6512_cdk_ECFP2	0.5591	0.4409	0.5591	0.0466	0.5180
cdc_diabetes	0.8342	0.1105	0.8342	0.1985	0.5843
census10%	0.9685	0.0472	0.9558	0.4726	0.4668
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	1.0000	0.0000	1.0000	1.0000	0.0000
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0002	1.0000	0.8939	0.0678
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.7091	0.2909	0.7091	0.2605	0.6246
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3103	0.6309
cirrhosis	0.7381	0.1746	0.7381	0.4628	0.3973
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8315	0.0843	0.8315	0.7373	0.3197
climate	0.8704	0.1296	0.8704	-0.0678	0.7084
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.4898	0.3401	0.4898	0.1381	0.6015
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0865
codon_usage	0.8703	0.0236	0.8703	0.8415	0.1746
coil20	0.9583	0.0042	0.9583	0.9561	0.0289
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	-0.0675	0.9445
colposcopies-2	0.5862	0.4138	0.5862	-0.0235	0.8868
colposcopies-3	0.7586	0.2414	0.7586	0.4700	0.6390
colposcopies-4	0.6897	0.3103	0.6897	0.1212	0.8758

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.5862	0.4138	0.5862	0.1594	0.8920
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9692	0.0205	0.9692	0.5748	0.5120
cottonmeloidogyne	0.5385	0.4615	0.5385	0.0687	0.5852
coupon	0.6341	0.3659	0.6341	0.1775	0.6489
covtype	0.9894	0.0115	0.9804	0.9222	0.1066
covtypeCD	0.9722	0.0278	0.9722	0.8791	0.2456
covtypeT	0.9652	0.0348	0.9652	0.7602	0.4669
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.3357	0.6857
crowdsourced	0.8682	0.0439	0.8682	0.7378	0.3863
cryotherapy	0.8889	0.1111	0.8889	0.7805	0.3522
cultivars	0.3438	0.0328	0.3438	0.3233	0.1184
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7763	0.2237	0.7763	0.0112	0.5089
deposit	0.8848	0.1152	0.8848	0.4689	0.6535
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.0588	0.6762
dexter	0.8644	0.1370	0.8544	0.7553	0.4963
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.4978	0.3361	0.5062	0.0402	0.6636
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.2857	0.5283
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5755	0.4580	0.5710	0.1147	0.9948
dropout	0.7088	0.1941	0.7088	0.4947	0.4814
drug-01	0.3989	0.1717	0.3989	0.0200	0.4321
drug-02	0.4574	0.1550	0.4574	0.1593	0.6499
drug-03	0.5798	0.1201	0.5798	0.0772	0.5381
drug-04	0.5053	0.1413	0.5053	0.1381	0.5661
drug-05	0.6117	0.1109	0.6117	-0.0015	0.8416
drug-06	0.4149	0.1672	0.4149	0.2442	0.4903
drug-07	0.3936	0.1733	0.3936	-0.0490	0.3454
drug-08	0.5213	0.1368	0.5213	0.0638	0.5866
drug-09	0.6383	0.1033	0.6383	-0.0005	0.4236
drug-10	0.5745	0.1216	0.5745	0.1522	0.3558
drug-11	0.4947	0.1444	0.4947	0.1267	0.4485
drug-12	0.6489	0.1003	0.6489	0.1912	0.6433
drug-13	0.6011	0.1140	0.6011	0.1884	0.3930
drug-14	0.5638	0.1246	0.5638	0.1804	0.5131
drug-15	0.6223	0.1079	0.6223	0.1236	0.7988
drug-16	0.5585	0.1261	0.5585	0.2068	0.4395
drug-17	0.3617	0.1824	0.3617	0.1055	0.5534
drug-18	0.9840	0.0064	0.9840	-0.0071	0.1376
drug-19	0.6330	0.1049	0.6330	0.0932	0.5352
drybean	0.9199	0.0229	0.9199	0.9028	0.1156
ecoli	0.7941	0.0515	0.7941	0.7122	0.1297
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2946	0.0882	0.2946	0.1953	0.4952
eeg-eye	0.6175	0.3825	0.6175	0.1632	0.5704
EPA_FHM	0.9180	0.0820	0.9180	0.2432	0.6536
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.7500	0.2500	0.7500	0.3750	0.6605
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	-0.0252	0.6347
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7705	0.2295	0.7705	0.4268	0.6376
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9020	0.2532
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.4616	0.7249
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6438	0.1425	0.6438	0.5365	0.3413
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	0.9805	0.0222	0.9704	0.9735	0.1419
fbis-wc	0.8537	0.0172	0.8537	0.8335	0.1003
fda.atompair_fp	0.6364	0.3636	0.6364	-0.1579	0.9308
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6190	0.2033
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5041	0.0069	0.4965	0.4448	0.2762
forest	0.8846	0.0577	0.8846	0.8398	0.1322
gas	0.9928	0.0024	0.9928	0.9913	0.0171
gastrointestinal	0.8125	0.1250	0.8125	0.6735	0.2281
gender	0.5874	0.2751	0.5874	0.0192	0.4711
gene	0.9401	0.0400	0.9401	0.9043	0.1783
german	0.7000	0.3000	0.7000	0.2042	0.6475
gina	0.8184	0.1816	0.8184	0.6348	0.5441
glass	0.7143	0.0952	0.7143	0.6050	0.3157
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8095	0.1905	0.8095	0.5983	0.6301
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.6667	0.1667	0.6667	0.5455	0.3522
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9158	0.0140	0.9158	0.9004	0.0805
har70	0.9503	0.0228	0.9110	0.8890	0.1178
harth10%	0.8500	0.0250	0.8500	0.7941	0.2179
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.7667	0.2333	0.7667	0.5249	0.6926
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8192	0.2024	0.8023	0.5995	0.6042
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6591	0.5916
higgs10%	0.5460	0.4610	0.5442	0.0533	0.5935
higher	0.4286	0.1429	0.4286	0.3086	0.2238
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.9157	0.0843	0.9157	0.6789	0.4720
hiva	0.9196	0.0804	0.9196	-0.0413	0.5755
horse	0.6111	0.2593	0.6111	0.2841	0.5854
htru2	0.9715	0.0285	0.9715	0.8215	0.3039
ht-sensor	0.6834	0.2110	0.6834	0.5341	0.3524
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0898
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7458	0.2542	0.7458	0.2324	0.6991
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8947	0.0081	0.8947	0.8905	0.0917
jm1	0.8127	0.1873	0.8127	0.0786	0.4569
fvowels	0.9739	0.0058	0.9739	0.9704	0.0396
kc1	0.8673	0.1327	0.8673	0.3097	0.5233
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.5718	0.0363	0.5638	0.2499	0.2141
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.3777	0.6558
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9180	0.0091	0.9180	0.9083	0.0990
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7256	0.0863	0.7601	0.6563	0.3656
la2s-wc	0.7741	0.0788	0.7582	0.6844	0.3321
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6970	0.0161	0.6712	0.6783	0.0627
led24	0.5000	0.1000	0.5000	0.4350	0.1958
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9505	0.0038	0.9505	0.9485	0.0564
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8212	0.0540
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5372	0.0841	0.5372	0.4059	0.4446
lrs	0.8491	0.0302	0.8491	0.7896	0.1005
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5266	0.2752
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5077	0.4923	0.5077	0.0154	0.9469
magic04	0.7585	0.2415	0.7585	0.3764	0.4887

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5132	0.7081
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7624	0.1584	0.7624	0.6308	0.3404
messidor	0.6000	0.4000	0.6000	0.1169	0.8110
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9800	0.0040	0.9800	0.9778	0.0253
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1558
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0357
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1992
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0504
mfeat-zer	0.8000	0.0400	0.8000	0.7778	0.1506
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4068
mobile	0.8951	0.0037	0.8951	0.8932	0.0465
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9379	0.0621	0.9379	0.7632	0.4408
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.4853	0.5147	0.4853	-0.0294	0.6753
mutagen_class_3	0.5217	0.4783	0.5217	0.0298	0.5261
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.6470
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3177	0.7833
MUT_ci300400a	0.6153	0.3847	0.6153	0.1144	0.5928
MUT_ci300400a_cdk_ECFP2	0.5899	0.4101	0.5899	0.0228	0.5624
myocardial	0.8176	0.0456	0.8176	0.3529	0.5104
naticusdroid	0.9359	0.0641	0.9359	0.8718	0.2855
nci9	0.5000	0.1111	0.5000	0.4000	0.1458
ncRNA10%	0.6663	0.0351	0.6663	0.4324	0.6738
newspop	0.5336	0.4664	0.5336	0.0035	0.5592
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9193	0.0807	0.9193	0.7892	0.3243
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.1289	0.8122
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9808	0.0596
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8614	0.0277	0.8614	0.8401	0.1210
oh10-wc	0.7714	0.0457	0.7714	0.7374	0.1965
oh15-wc	0.8370	0.0326	0.8370	0.8132	0.1309
oh5-wc	0.7912	0.0418	0.7912	0.7620	0.1603
opn310k	0.9410	0.0762	0.9447	0.4390	0.5508
opnat310k-hg16-17	0.9008	0.0917	0.9308	0.0379	0.2432
optdigits	0.9698	0.0060	0.9698	0.9664	0.0463
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.6000	0.0200	0.6000	0.5897	0.0803
orlraws10P	0.7000	0.0600	0.7000	0.6667	0.0853
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8498	0.1502	0.8498	0.2235	0.4018
ozone8hr	0.7470	0.2530	0.7470	0.1933	0.4967
p53-mutants10%	1.0000	0.0032	0.9900	0.0000	0.0151
page-blocks	0.9799	0.0080	0.9799	0.8858	0.1640

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.6000	0.4000	0.6000	0.0000	0.5000
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8180	0.1820	0.8180	0.4539	0.4840
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9279	0.0721	0.9279	0.3909	0.6055
pcmac	0.5825	0.4175	0.5825	0.0081	0.6329
pd	0.8553	0.1447	0.8553	0.5769	0.5763
pediatric-leukemia	0.7647	0.0672	0.7647	0.7056	0.1702
pendigits	0.9945	0.0011	0.9945	0.9939	0.0105
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7732	0.2268	0.7732	0.4323	0.6469
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8491
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6443	0.5505
P-Glycoprotein_RDkit_AtomPair_FP	0.6000	0.4000	0.6000	0.2079	0.9105
Pgp_desc	0.8000	0.2000	0.8000	0.5652	0.6314
phishing	0.9755	0.0245	0.9755	0.9480	0.1118
phoneme	0.8167	0.1833	0.8167	0.5809	0.6527
phy	0.6316	0.3684	0.6316	0.2610	0.7755
pima	0.6711	0.3289	0.6711	0.2162	0.6872
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7660	0.0445	0.7731	0.6091	0.1787
polish-1st	0.7610	0.2390	0.7610	0.1002	0.3360
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.2286	0.7714	0.2286	0.0089	0.1810
polish-4th	0.8316	0.1684	0.8316	0.2471	0.4814
polish-5th	0.9188	0.0812	0.9188	0.3849	0.6372
polya	0.6573	0.3427	0.6573	0.0664	0.5926
popularity	0.6111	0.2593	0.6111	-0.0002	0.5726
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.8969	0.0412	0.8969	0.8708	0.1115
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.6096
primary-tumor	0.4242	0.0523	0.4242	0.3602	0.2488
profb	0.7612	0.2388	0.7612	0.3534	0.5665
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7200	0.4011
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9639	0.0144	0.9639	0.9515	0.0615
pufs-6410%	0.5042	0.5165	0.4952	0.0011	0.9841
raisin	0.8333	0.1667	0.8333	0.6667	0.4727
re0-wc	0.8333	0.0256	0.8333	0.7878	0.1820
re1-wc	0.8554	0.0116	0.8554	0.8351	0.1098
rejafada	0.9945	0.0000	0.9861	0.9828	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9862	0.0000	1.0000	1.0000	0.0000
rocket	0.5849	0.4151	0.5849	-0.0027	0.7063
RT_IOT2022	0.9879	0.0007	0.9804	0.9856	0.0057
satimage	0.8927	0.0358	0.8927	0.8673	0.1665
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8414	0.1586	0.8414	0.4148	0.6089
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.3824	0.6176	0.3824	-0.2353	1.0000
secom	0.9103	0.0897	0.9103	0.0808	0.6776
secondary_mushroom	0.7698	0.2302	0.7698	0.5089	0.4366
segment	0.9740	0.0074	0.9740	0.9696	0.0344
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8566	0.1434	0.8566	0.1738	0.6125
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8395	0.1605	0.8395	0.0888	0.7435
sens-2-gram	0.8526	0.1474	0.8526	0.1350	0.7006
sens-3-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-4-gram	0.8839	0.1375	0.8544	0.1341	0.6501
sensorless	0.9979	0.0004	0.9979	0.9977	0.0046
sepsis	0.9083	0.0917	0.9083	0.0022	0.2920
shoppers	0.8759	0.1241	0.8759	0.3450	0.4720
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9997	0.0003	0.9997	0.9990	0.0081
smk_can_187	0.6316	0.3684	0.6316	0.2486	0.8662
solar-flare	0.7338	0.0887	0.7338	0.6558	0.1976
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9706	0.0031	0.9706	0.9677	0.0123
spambase	0.8913	0.1087	0.8913	0.7637	0.3743
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.6208	0.0164	0.6145	0.5949	0.0970
splice-EI	0.9685	0.0315	0.9685	0.9171	0.2344
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.7600	0.2400	0.7600	0.4348	0.6644
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7897	0.2103	0.7897	0.4589	0.6997
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8727	0.0849	0.8727	0.7898	0.2621
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.7179	0.2821	0.7179	0.2481	0.5660
steel-p	0.9385	0.0615	0.9385	0.4711	0.4407
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3846	0.4103	0.3846	0.0000	0.5844
student-weekend	0.4154	0.2338	0.4154	0.1333	0.5844
student-workday	0.6875	0.1250	0.6875	0.1392	0.3559
susy10%	0.7097	0.2903	0.7097	0.3877	0.5796
swarm_aligned	1.0000	0.0000	1.0000	0.9950	0.0000
swarm_flocking	0.9856	0.0004	0.9936	1.0000	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5597
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9782	0.0040	0.9782	0.9759	0.0297
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8553	0.1395	0.8598	0.6033	0.5922
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4146	0.1387
tox_171	0.7647	0.1176	0.7647	0.6909	0.1082
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7333	0.2667	0.7333	0.0040	0.7788
trec11-wc	0.9024	0.0217	0.9024	0.8787	0.0388
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8129	0.1599
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9857	0.0135
trec41-wc	0.9659	0.0068	0.9659	0.9583	0.0363
trec45-wc	0.9130	0.0174	0.9130	0.8985	0.0530
tuandromd	0.9821	0.0179	0.9821	0.9434	0.1312
turkish	0.8000	0.1000	0.8000	0.7333	0.2389
tvnews	0.9427	0.0532	0.9720	0.8840	0.2736
urban	0.8209	0.0398	0.8209	0.7897	0.1497
vehicle	0.7381	0.1310	0.7381	0.6557	0.2207
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.6061	0.0716	0.6061	0.5667	0.2318
vowelZ	0.9697	0.0303	0.9697	0.8070	0.3123
vrnormat310k-hg16-17	0.9362	0.0929	0.9117	0.0012	0.2433
wap-wc	0.7870	0.0219	0.7677	0.7548	0.1595
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9468	0.0229
watch-acc10%	0.9008	0.0283	0.9008	0.8840	0.0468
watch-gyr10%	0.9029	0.0278	0.9029	0.8865	0.0462
waveform	0.6860	0.2093	0.6860	0.5293	0.4775
web-phishing	0.8222	0.1185	0.8222	0.6786	0.4030
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0037
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9814	0.0186	0.9814	0.8204	0.4051
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5975	0.1342	0.5975	0.3334	0.4440
winequality-white	0.5072	0.1408	0.5072	0.1980	0.4650
winnipeg	0.9588	0.0062	0.9886	0.9963	0.0491
yale	0.6250	0.0500	0.6250	0.5966	0.0936
yeast	0.4189	0.1162	0.4189	0.2629	0.3228
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9392	0.0608	0.9392	-0.0215	0.6129
zip	0.9441	0.0112	0.9441	0.9373	0.0855
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 172: Detailed results for MIBBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1656	0.0579	0.1616	0.0774	0.5093
abalone19	0.6603	0.3397	0.6603	-0.0002	0.0639
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.8174	0.1826	0.8174	0.1250	0.2179
ads	0.9726	0.0274	0.9726	0.8808	0.2032
adult	0.8575	0.1425	0.8575	0.5634	0.5768
AID1284Morered	0.8056	0.1944	0.8056	0.2500	0.7444
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.8190	0.1810	0.8190	0.1184	0.6209
AID362red	0.7336	0.2664	0.7336	0.0240	0.1364
AID373AID439red	1.0000	0.0003	1.0000	-0.0002	0.5036
AID373red	0.9821	0.0010	1.0000	0.0000	0.0056
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.6463	0.3537	0.6463	-0.0003	0.0280
AID600_MACCS	0.5946	0.4054	0.5946	0.1679	0.9306
AID_602330	0.4896	0.5104	0.4896	-0.0208	0.2479
AID604	0.9783	0.0019	0.9938	0.6606	0.0097
AID604AID644_AllRed	0.9867	0.0010	0.9898	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	-0.0526	0.9519
AID_652128	0.6667	0.2222	0.6667	0.0547	0.2993
AID687AID721red	0.8085	0.1915	0.8085	0.0019	0.0089
AID687red	0.3608	0.6392	0.3608	-0.0004	0.0198
AID688red	0.1578	0.8422	0.1578	-0.0002	0.0405
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9861	0.0010	1.0000	0.0000	0.0054
AID746red	0.2315	0.7685	0.2315	0.0018	0.0268
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9597	0.0202	0.9597	0.9219	0.0777
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9750	0.0063	0.9750	0.9588	0.1285
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0248
aps-failure	0.9731	0.0079	1.0000	0.7715	0.3281
arcene	0.8000	0.2000	0.8000	0.5455	0.4011
arrhythmia	0.7333	0.0410	0.7333	0.5519	0.3116
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8649	0.0112	0.8842	0.8464	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.7892	0.0351	0.7892	0.7417	0.1900
balance	0.7903	0.1398	0.7903	0.6402	0.3946
bank	0.9060	0.0940	0.9060	0.5102	0.6083
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7995	0.2005	0.7995	0.5098	0.4471
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
bio	1.0000	0.0030	1.0000	0.8023	0.1210
biodeg	0.8381	0.1619	0.8381	0.6376	0.5275
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9934	0.0008	0.9839	0.4237	0.1877
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2414	0.8512
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bub10at310k-hg16-17	0.8928	0.0902	0.9397	0.0329	0.2384
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8116	0.1884	0.8116	0.5961	0.5612
cardiotocography	0.8545	0.0291	0.8545	0.8267	0.2087
cardiotocography-nsp	0.9296	0.0469	0.9296	0.7927	0.2210
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7318	0.3688
cas_N6512_cdk_ECFP2	0.5591	0.4409	0.5591	0.0481	0.5808
cdc_diabetes	0.3691	0.4206	0.3691	0.0701	0.2898
census10%	0.9341	0.0470	0.9370	0.4789	0.4550
central-nervous-system	1.0000	0.0000	1.0000	1.0000	0.0000
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
chrom19	0.9851	0.0002	1.0000	0.8867	0.0702
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.7455	0.2545	0.7455	0.3689	0.5929
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6233	0.5603
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6087	0.3570
ci900367j_MACCS	0.7368	0.2632	0.7368	0.3692	0.6127
cirrhosis	0.7381	0.1746	0.7381	0.4665	0.4580
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8157	0.0921	0.8157	0.7136	0.4093
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.5000	0.3333	0.5000	0.1818	0.4294
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5442	0.3039	0.5442	0.3027	0.7135
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0559
codon_usage	0.7437	0.0466	0.7437	0.6969	0.4058
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.0478	0.9158
colposcopies-2	0.6207	0.3793	0.6207	0.1493	0.9180
colposcopies-3	0.6552	0.3448	0.6552	0.2526	0.8601
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.6207	0.3793	0.6207	0.2238	0.7270
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9665	0.0223	0.9665	0.5381	0.5261
cottonmeloidogyne	0.5649	0.4351	0.5649	0.1230	0.6666
coupon	0.6735	0.3265	0.6735	0.2795	0.6775
covtype	0.9665	0.0114	0.9819	0.9409	0.1098
covtypeCD	0.9801	0.0199	0.9801	0.9142	0.1897
covtypeT	0.9722	0.0278	0.9722	0.7922	0.3993
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8304	0.0565	0.8304	0.6780	0.4095
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3750	0.0312	0.3750	0.3555	0.1056
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8207	0.1793	0.8207	0.3499	0.6224
deposit	0.8896	0.1104	0.8896	0.4491	0.6489
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1795	0.6427
dexter	0.8732	0.1364	0.8831	0.7435	0.4995
dhfr_cdk_ECFP2	0.7632	0.2368	0.7632	0.4466	0.4273
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.4819	0.3485	0.4984	0.0401	0.6729
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.4167	0.5833	0.4167	-0.2727	1.0000
dlbcl-stanford	0.6000	0.4000	0.6000	0.2857	0.5283
dota2	0.5480	0.4374	0.5526	0.1111	0.9543
dropout	0.7178	0.1881	0.7178	0.5274	0.5009
drug-01	0.0745	0.2644	0.0745	-0.0208	0.7245
drug-02	0.3777	0.1778	0.3777	0.1708	0.7331
drug-03	0.4628	0.1535	0.4628	0.0934	0.6021
drug-04	0.3511	0.1854	0.3511	0.1407	0.5878
drug-05	0.3457	0.1869	0.3457	0.0035	0.5130
drug-06	0.3404	0.1885	0.3404	0.2156	0.6673
drug-07	0.0957	0.2584	0.0957	0.0093	0.5205
drug-08	0.4574	0.1550	0.4574	0.1189	0.7022
drug-09	0.5638	0.1246	0.5638	0.0648	0.3582
drug-10	0.4202	0.1657	0.4202	0.1085	0.6636
drug-11	0.6064	0.1125	0.6064	0.0963	0.5838
drug-12	0.5372	0.1322	0.5372	0.1362	0.6109
drug-13	0.3883	0.1748	0.3883	0.1359	0.7077
drug-14	0.5585	0.1261	0.5585	0.2525	0.5521
drug-15	0.4787	0.1489	0.4787	0.0842	0.7141
drug-16	0.5000	0.1429	0.5000	0.1927	0.5719
drug-17	0.1755	0.2356	0.1755	0.0720	0.6898
drug-18	0.9787	0.0085	0.9787	-0.0053	0.1734
drug-19	0.5691	0.1231	0.5691	0.0829	0.5520
drybean	0.9162	0.0239	0.9162	0.8987	0.1351
ecoli	0.8824	0.0294	0.8824	0.8373	0.0976
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1180	0.1103	0.1180	0.0925	0.5210
eeg-eye	0.6148	0.3852	0.6148	0.1559	0.5435
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2066	0.7811
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5062	0.5312
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6285	0.6082
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9020	0.2532
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6265	0.2040
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.4061	0.5795
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.4570	0.6159
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.5616	0.1753	0.5616	0.4474	0.4187
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	1.0000	0.0223	0.9604	0.9896	0.1423
fbis-wc	0.8455	0.0182	0.8455	0.8245	0.1374
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.5000	0.1250	0.5000	0.4030	0.2524
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5033	0.0067	0.4904	0.4649	0.2772
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9935	0.0022	0.9935	0.9921	0.0158
gastrointestinal	0.8750	0.0833	0.8750	0.7975	0.2340
gender	0.5853	0.2765	0.5853	-0.0037	0.4105
gene	0.9306	0.0463	0.9306	0.8885	0.1957
german	0.6500	0.3500	0.6500	0.0331	0.6884
gina	0.7752	0.2248	0.7752	0.5468	0.5569
glass	0.9048	0.0317	0.9048	0.8679	0.0885
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.7857	0.2143	0.7857	0.5325	0.5727
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4545	0.4541
haberman	0.7333	0.2667	0.7333	0.1045	0.7293
hapt	0.9671	0.0055	0.9671	0.9611	0.0340
har70	0.9287	0.0236	0.9275	0.8843	0.1172
harth10%	0.5846	0.0692	0.5846	0.4742	0.3998
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8116	0.2020	0.7941	0.6186	0.6107
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.3750	0.7858
higgs10%	0.5421	0.4493	0.5465	0.0524	0.5895
higher	0.2857	0.1786	0.2857	0.1566	0.2750
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.9073	0.0927	0.9073	0.6512	0.5143
hiva	0.9291	0.0709	0.9291	0.0258	0.6008
horse	0.6389	0.2407	0.6389	0.3227	0.5430
htru2	0.9737	0.0263	0.9737	0.8401	0.3120
ht-sensor	0.6680	0.2213	0.6680	0.5126	0.3766
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8626	0.0106	0.8626	0.8572	0.1211
jm1	0.8154	0.1846	0.8154	0.0997	0.4531
fvowels	0.9016	0.0219	0.9016	0.8886	0.1356
kc1	0.8578	0.1422	0.8578	0.2344	0.5430
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5627	0.0369	0.5618	0.2543	0.2166
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.1357	0.7892
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9166	0.0093	0.9166	0.9069	0.1249
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7341	0.0875	0.7368	0.6528	0.3636
la2s-wc	0.7585	0.0787	0.7569	0.6881	0.3288
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6792	0.0165	0.6884	0.6724	0.0612
led24	0.6500	0.0700	0.6500	0.6078	0.1661
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.5160	0.0372	0.5160	0.4969	0.2932
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8056	0.0259	0.8056	0.7916	0.0683
linkage10%	0.9999	0.0001	0.9999	0.9928	0.0211
liver	0.6471	0.3529	0.6471	0.0049	0.8516
localization	0.0699	0.1691	0.0699	0.0463	0.5156
lrs	0.8491	0.0302	0.8491	0.7903	0.1046
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8367	0.0486
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5231	0.4769	0.5231	0.0462	0.9835
magic04	0.7612	0.2388	0.7612	0.3840	0.4813

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5080	0.6217
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7746	0.3419
messidor	0.5913	0.4087	0.5913	0.1132	0.8843
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9900	0.0020	0.9900	0.9889	0.0125
mfeat-fou	0.8150	0.0370	0.8150	0.7944	0.1469
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0672
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2242
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0312
mfeat-zer	0.8100	0.0380	0.8100	0.7889	0.1544
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3377	0.5092
mobile	0.8007	0.0071	0.8007	0.7971	0.0925
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9530	0.0470	0.9530	0.8135	0.3373
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.6714
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.5072	0.4928	0.5072	0.0009	0.6703
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.4968
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4216	0.7076
MUT_ci300400a	0.6842	0.3158	0.6842	0.3877	0.7627
MUT_ci300400a_cdk_ECFP2	0.5911	0.4089	0.5911	0.0234	0.5051
myocardial	0.5824	0.1044	0.5824	0.1146	0.3210
naticusdroid	0.9431	0.0569	0.9431	0.8861	0.2692
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9062	0.0098	0.9002	0.7223	0.2024
newspop	0.5338	0.4662	0.5338	0.0035	0.5282
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9260	0.0740	0.9260	0.8054	0.2677
NPHA-doctor-visits	0.4722	0.3519	0.4722	-0.0228	0.6994
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0756
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9307	0.0139	0.9307	0.9209	0.0744
oh10-wc	0.7810	0.0438	0.7810	0.7520	0.2161
oh15-wc	0.8913	0.0217	0.8913	0.8766	0.1122
oh5-wc	0.8462	0.0308	0.8462	0.8276	0.1456
opn310k	0.9270	0.0776	0.9550	0.4544	0.5629
opnat310k-hg16-17	0.9040	0.0914	0.9089	0.0375	0.2413
optdigits	0.9680	0.0064	0.9680	0.9644	0.0453
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9500	0.0025	0.9500	0.9487	0.0082
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.8340	0.1660	0.8340	0.2549	0.3602
ozone8hr	0.7628	0.2372	0.7628	0.1918	0.5173
p53-mutants10%	0.9917	0.0032	0.9907	0.0000	0.0147
page-blocks	0.9744	0.0102	0.9744	0.8547	0.3236

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.8525	0.1475	0.8525	0.5798	0.4601
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5670	0.4330	0.5670	-0.0225	0.7420
pd	0.9342	0.0658	0.9342	0.8148	0.3131
pediatric-leukemia	0.9118	0.0252	0.9118	0.8922	0.0751
pendigits	0.9927	0.0015	0.9927	0.9919	0.0135
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7474	0.2526	0.7474	0.3434	0.6362
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6451	0.5691
P-Glycoprotein_RDkit_AtomPair_FP	0.6000	0.4000	0.6000	0.2079	0.9105
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9592	0.0408	0.9592	0.9127	0.1605
phoneme	0.8093	0.1907	0.8093	0.4635	0.6271
phy	0.6278	0.3722	0.6278	0.2531	0.7254
pima	0.6316	0.3684	0.6316	0.1044	0.7152
plx	0.6111	0.3889	0.6111	-0.0328	0.9365
poker	0.7938	0.0453	0.8069	0.6094	0.1749
polish-1st	0.2831	0.7169	0.2831	0.0006	0.1755
polish-2nd	0.2743	0.7257	0.2743	0.0104	0.1637
polish-3rd	0.8086	0.1914	0.8086	0.1529	0.4397
polish-4th	0.8867	0.1133	0.8867	0.2991	0.5684
polish-5th	0.9475	0.0525	0.9475	0.4973	0.4653
polya	0.6670	0.3330	0.6670	0.0936	0.5399
popularity	0.6305	0.2463	0.6305	0.0003	0.3345
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9420	0.0232	0.9420	0.9275	0.1152
pred-tox_mutagen_ref-desc	0.5735	0.4265	0.5735	0.1471	0.7239
primary-tumor	0.3030	0.0634	0.3030	0.2349	0.2735
profb	0.7313	0.2687	0.7313	0.2923	0.7269
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9373	0.0251	0.9373	0.9167	0.1481
pufs-6410%	0.5007	0.5035	0.5008	0.0011	0.9769
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.8333	0.0256	0.8333	0.7884	0.2662
re1-wc	0.8434	0.0125	0.8434	0.8229	0.1280
rejafada	1.0000	0.0000	0.9917	0.9880	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9956	0.0000	0.9830	0.9840	0.0000
rocket	0.6023	0.3977	0.6023	0.0369	0.6121
RT_IOT2022	0.9885	0.0007	1.0000	1.0000	0.0057
satimage	0.8569	0.0477	0.8569	0.8254	0.1941
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8616	0.1384	0.8616	0.4571	0.6143
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5588	0.4412	0.5588	0.1176	0.7296
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.7629	0.2371	0.7629	0.4934	0.4412
segment	0.9697	0.0087	0.9697	0.9646	0.0384
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9109	0.0891	0.9109	0.0395	0.6752
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8500	0.1500	0.8500	-0.0065	0.6592
sens-2-gram	0.8500	0.1500	0.8500	0.1094	0.7067
sens-3-gram	0.8605	0.1395	0.8605	0.0391	0.5724
sens-4-gram	0.8758	0.1376	0.8894	0.1306	0.6629
sensorless	0.9971	0.0005	0.9971	0.9968	0.0056
sepsis	0.9092	0.0908	0.9092	0.0025	0.2364
shoppers	0.8913	0.1087	0.8913	0.5283	0.5694
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9989	0.0074
smk_can_187	0.5789	0.4211	0.5789	0.1461	0.9386
solar-flare	0.7122	0.0959	0.7122	0.6405	0.2774
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9412	0.0062	0.9412	0.9356	0.0368
spambase	0.9109	0.0891	0.9109	0.8076	0.3278
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.5951	0.0167	0.5924	0.5831	0.0942
splice-EI	0.9779	0.0221	0.9779	0.9412	0.1661
splice-IE	0.9495	0.0505	0.9495	0.8590	0.3148
sport-articles	0.7500	0.2500	0.7500	0.4002	0.6417
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8205	0.1795	0.8205	0.2701	0.5570
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8896	0.0736	0.8896	0.8210	0.2534
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.7231	0.2769	0.7231	0.2708	0.5995
steel-p	0.9333	0.0667	0.9333	0.5697	0.5736
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.3846	0.4103	0.3846	0.0714	0.7367
student-weekend	0.4000	0.2400	0.4000	0.1934	0.6843
student-workday	0.7188	0.1125	0.7188	0.1893	0.3241
susy10%	0.7018	0.2982	0.7018	0.3695	0.5627
swarm_aligned	1.0000	0.0000	0.9921	1.0000	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0047
swarm_grouped	0.9806	0.0000	0.9873	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9836	0.0030	0.9836	0.9820	0.0250
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	-0.0709	0.7788
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8656	0.1355	0.8553	0.6240	0.5919
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7200	0.2800	0.7200	-0.0736	0.7975
trec11-wc	0.9024	0.0217	0.9024	0.8800	0.0530
trec12-wc	0.9355	0.0161	0.9355	0.9227	0.0517

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7591	0.2505
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9717	0.0508
trec41-wc	0.9659	0.0068	0.9659	0.9585	0.0248
trec45-wc	0.9565	0.0087	0.9565	0.9493	0.0214
tuandromd	0.9753	0.0247	0.9753	0.9198	0.0919
turkish	0.8250	0.0875	0.8250	0.7667	0.2280
tvnews	0.9746	0.0548	0.9688	0.8749	0.2765
urban	0.8507	0.0332	0.8507	0.8262	0.1595
vehicle	0.7857	0.1071	0.7857	0.7111	0.1930
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6364	0.0661	0.6364	0.6000	0.1982
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9105	0.0933	0.9263	0.0012	0.2398
wap-wc	0.7847	0.0219	0.7891	0.7538	0.1590
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9781	0.0063	0.9781	0.9744	0.0338
watch-gyr10%	0.9630	0.0106	0.9630	0.9568	0.0414
waveform	0.7760	0.1493	0.7760	0.6638	0.4552
web-phishing	0.8148	0.1235	0.8148	0.6686	0.4550
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9752	0.0248	0.9752	0.7369	0.4224
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.3333	0.2222	0.3333	0.1324	0.5435
winequality-white	0.2434	0.2162	0.2434	0.1166	0.5835
winnipeg	0.9979	0.0065	1.0000	0.9540	0.0503
yale	0.8125	0.0250	0.8125	0.7992	0.0481
yeast	0.4730	0.1054	0.4730	0.3394	0.4612
yeastCYT-POX	0.9388	0.0612	0.9388	-0.0280	0.6456
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.3410	0.5495
zip	0.9409	0.0118	0.9409	0.9338	0.0944
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 173: Detailed results for BoostForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1583	0.0580	0.1583	0.0784	0.6007
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9844	0.0156	0.9844	0.2157	0.0551
ads	0.9848	0.0152	0.9848	0.9350	0.1232
adult	0.8589	0.1411	0.8589	0.5865	0.6000
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8190	0.1810	0.8190	0.1677	0.6725
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7568	0.2432	0.7568	0.4789	0.7313
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9987	0.0013	0.9987	0.7925	0.1072
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7500	0.2500	0.7500	0.3056	0.7334
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9941	0.0059	0.9941	0.2532	0.3656
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8308	0.1692	0.8308	0.5342	0.6761
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9734	0.0325
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9847	0.0038	0.9847	0.9748	0.0740
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0188
aps-failure	0.9942	0.0058	0.9942	0.8182	0.1817
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7111	0.0444	0.7111	0.4948	0.2318
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.7969	0.0527
audit-risk	0.9744	0.0256	0.9744	0.9459	0.1164
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.9823	0.0030	0.9823	0.9769	0.0342
balance	0.9194	0.0538	0.9194	0.8498	0.1819
bank	0.9111	0.0889	0.9111	0.5194	0.5855
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9055	0.0945	0.9055	0.7857	0.3387
basehock	0.9598	0.0402	0.9598	0.9196	0.2061
bio	0.9976	0.0024	0.9976	0.8473	0.0923
biodeg	0.9238	0.0762	0.9238	0.8400	0.3730
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0008	1.0000	0.4146	0.1822
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9186	0.0814	0.9186	0.2471	0.4054
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9828	0.0086	0.9828	0.9634	0.0626
card	0.8841	0.1159	0.8841	0.7575	0.4481
cardiotocography	0.8592	0.0282	0.8592	0.8312	0.1674
cardiotocography-nsp	0.9624	0.0250	0.9624	0.8912	0.0693
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6872	0.3501
cas_N6512_cdk_ECFP2	0.7926	0.2074	0.7926	0.5822	0.6793
cdc_diabetes	0.8627	0.1023	0.8458	0.1564	0.2884
census10%	0.9515	0.0485	0.9515	0.4460	0.4635
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9997	0.0003	0.9997	0.8541	0.1425
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8057	0.4241
ci200186m_DESC_PADEL	0.9444	0.0556	0.9444	0.8796	0.2836
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3990	0.7937
cirrhosis	0.7619	0.1587	0.7619	0.5070	0.3634
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8148	0.0926	0.8148	0.7135	0.4204
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5102	0.3265	0.5102	0.2354	0.7264
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0728
codon_usage	0.9256	0.0135	0.9256	0.9092	0.0893
coil20	0.9931	0.0007	0.9931	0.9927	0.0048
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7586	0.2414	0.7586	0.4781	0.7496
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.7586	0.2414	0.7586	0.4963	0.7409
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.8276	0.1724	0.8276	0.3777	0.3360
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9953	0.0086	0.9852	0.6365	0.2190
cottonmeloidogyne	0.7885	0.2115	0.7885	0.5770	0.6853
coupon	0.7650	0.2350	0.7650	0.5154	0.7263
covtype	0.9843	0.0112	0.9692	0.9428	0.1113
covtypeCD	0.9950	0.0050	0.9950	0.9789	0.0677
covtypeT	0.9878	0.0122	0.9878	0.9043	0.1985
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.3357	0.6857
crowdsourced	0.9465	0.0178	0.9465	0.8886	0.1258
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.6562	0.0172	0.6562	0.6462	0.0437
cyclopentane	0.6296	0.3704	0.6296	0.2373	0.9000
cylinder-bands	0.8519	0.1481	0.8519	0.7004	0.5560
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8250	0.1750	0.8250	0.4113	0.6669
deposit	0.9058	0.0942	0.9058	0.4979	0.5932
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.0303	0.5178
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5435	0.6720
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.4924	0.3369	0.5058	0.0414	0.6735
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5833	0.4167	0.5833	0.0909	0.9325
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5837	0.4163	0.5837	0.1601	0.9417
dropout	0.7607	0.1595	0.7607	0.5998	0.4687
drug-01	0.3936	0.1733	0.3936	0.0763	0.5445
drug-02	0.5106	0.1398	0.5106	0.2074	0.6923
drug-03	0.6862	0.0897	0.6862	0.1524	0.4308
drug-04	0.5106	0.1398	0.5106	0.1323	0.6246
drug-05	0.7287	0.0775	0.7287	0.0061	0.2329
drug-06	0.3830	0.1763	0.3830	0.2254	0.5931
drug-07	0.3989	0.1717	0.3989	0.0195	0.4530
drug-08	0.5532	0.1277	0.5532	0.1963	0.5055
drug-09	0.8723	0.0365	0.8723	0.0699	0.1044
drug-10	0.5319	0.1337	0.5319	0.1599	0.5361
drug-11	0.8404	0.0456	0.8404	0.0387	0.2501
drug-12	0.7872	0.0608	0.7872	-0.0071	0.2219
drug-13	0.5957	0.1155	0.5957	0.2457	0.5022
drug-14	0.6064	0.1125	0.6064	0.3489	0.5435
drug-15	0.7553	0.0699	0.7553	0.1283	0.3803
drug-16	0.5745	0.1216	0.5745	0.3086	0.4950
drug-17	0.3777	0.1778	0.3777	0.1555	0.6661
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0744	0.3640
drybean	0.9258	0.0212	0.9258	0.9102	0.1199
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2357	0.0959	0.2411	0.1243	0.4098
eeg-eye	0.9299	0.0701	0.9299	0.8580	0.3368
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7004	0.5303
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7636	0.4676
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.7123	0.1151	0.7123	0.6293	0.3055
euthyroid	0.9684	0.0316	0.9684	0.8212	0.3529
exon.vs.intron-freq	0.9859	0.0141	0.9859	0.9717	0.0992
fbis-wc	0.7577	0.0286	0.7576	0.7427	0.1974
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.7500	0.0625	0.7500	0.6795	0.1622
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4922	0.0068	0.5024	0.4462	0.2863
forest	0.9231	0.0385	0.9231	0.8932	0.0993
gas	0.9820	0.0038	1.0000	0.9891	0.0298
gastrointestinal	0.8750	0.0833	0.8750	0.7975	0.2340
gender	0.5832	0.2779	0.5832	0.1214	0.5429
gene	0.9432	0.0379	0.9432	0.9090	0.1664
german	0.7600	0.2400	0.7600	0.4015	0.6372
gina	0.9597	0.0403	0.9597	0.9193	0.2273
glass	0.7619	0.0794	0.7619	0.6635	0.2371
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4847
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9189	0.0136	0.9302	0.9131	0.0935
har70	0.9146	0.0228	0.9345	0.8942	0.1222
harth10%	0.8911	0.0226	0.8750	0.8307	0.1553
hayes-roth	0.6875	0.2083	0.6875	0.5062	0.2896
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.8889	0.1111	0.8889	0.7666	0.4543
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8676	0.1324	0.8676	0.7354	0.5154
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higgs10%	0.7401	0.2599	0.7401	0.4783	0.7658
higher	0.2143	0.1964	0.2143	0.0494	0.3251
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8853	0.1147	0.8853	0.5400	0.5623
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6667	0.2222	0.6667	0.4232	0.5823
htru2	0.9799	0.0201	0.9799	0.8758	0.2390
ht-sensor	1.0000	0.0001	1.0000	1.0000	0.0015
hypothyroid	0.9735	0.0133	0.9735	0.8440	0.2348
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7458	0.2542	0.7458	0.2937	0.7766
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9143	0.0857	0.9143	0.7961	0.3975
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8939	0.0099	0.9002	0.8668	0.1081
jm1	0.8310	0.1690	0.8310	0.2873	0.6065
fvowels	0.9880	0.0027	0.9880	0.9863	0.0196
kc1	0.8673	0.1327	0.8673	0.3323	0.5598
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2632	0.0813
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8574	0.0158	0.8574	0.8407	0.1831
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.7446	0.0871	0.7600	0.6527	0.3776
la2s-wc	0.7874	0.0808	0.7661	0.7047	0.3295
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.8235	0.0088	0.8235	0.8154	0.0311
led24	0.7000	0.0600	0.7000	0.6620	0.1230
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9455	0.0052	0.9390	0.9175	0.0809
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.9444	0.0074	0.9444	0.9403	0.0250
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0000
liver	0.7647	0.2353	0.7647	0.4868	0.7356
localization	0.7140	0.0499	0.7276	0.6345	0.3529
lrs	0.8868	0.0226	0.8868	0.8418	0.0529
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.8115	0.1885	0.8115	0.6231	0.6417
magic04	0.8764	0.1236	0.8764	0.7199	0.4899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8438	0.1562	0.8438	0.6875	0.5712
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7132	0.3977
messidor	0.7739	0.2261	0.7739	0.5357	0.7118
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8421	0.0648
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0480
mfeat-fou	0.8400	0.0320	0.8400	0.8222	0.1378
mfeat-kar	0.9900	0.0020	0.9900	0.9889	0.0126
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1975
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0473
mfeat-zer	0.8150	0.0370	0.8150	0.7944	0.1099
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5939	0.3341
mobile	0.9336	0.0024	0.9336	0.9324	0.0317
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9508	0.0492	0.9508	0.8872	0.1731
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9803	0.0197	0.9803	0.9212	0.1091
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4638	0.5362	0.4638	-0.0786	1.0000
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7494
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3289	0.8430
MUT_ci300400a	0.8784	0.1216	0.8784	0.7506	0.4941
MUT_ci300400a_cdk_ECFP2	0.8333	0.1667	0.8333	0.6580	0.6041
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9127	0.0873	0.9127	0.8254	0.3473
nci9	0.8333	0.0370	0.8333	0.8065	0.0000
ncRNA10%	0.9093	0.0097	0.9137	0.7205	0.2079
newspop	0.6645	0.3355	0.6645	0.3242	0.8647
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9658	0.0342	0.9658	0.9157	0.2215
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.1035	0.6271
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	0.9815	0.0093	0.9815	0.9724	0.0319
occupancy	0.9917	0.0083	0.9917	0.9769	0.0984
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8812	0.0238	0.8812	0.8635	0.1075
oh10-wc	0.7905	0.0419	0.7905	0.7612	0.2072
oh15-wc	0.8478	0.0304	0.8478	0.8263	0.1338
oh5-wc	0.8791	0.0242	0.8791	0.8633	0.1089
opn310k	0.9170	0.0830	0.9170	0.2214	0.4081
opnat310k-hg16-17	0.9176	0.0824	0.9176	0.2096	0.3619
optdigits	0.9751	0.0050	0.9751	0.9723	0.0362
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9048	0.1113

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.9394	0.0606	0.9394	0.8497	0.3434
pasture	0.5000	0.3333	0.5000	0.1111	0.2969
pc1	0.9009	0.0991	0.9009	-0.0409	0.6902
pcmac	0.5773	0.4227	0.5773	0.0019	0.7080
pd	0.9079	0.0921	0.9079	0.7200	0.2379
pediatric-leukemia	0.7941	0.0588	0.7941	0.7441	0.1659
pendigits	0.9918	0.0016	0.9918	0.9909	0.0154
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6658	0.5840
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.8135
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7778	0.4582
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3137	0.8348
Pgp_desc	0.6500	0.3500	0.6500	0.3137	0.8299
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.9093	0.0907	0.9093	0.7761	0.4484
phy	0.7052	0.2948	0.7052	0.4104	0.8143
pima	0.7632	0.2368	0.7632	0.4738	0.6848
plx	0.7222	0.2778	0.7222	0.0000	0.4246
poker	0.7841	0.0440	0.7835	0.5862	0.1779
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9490	0.0510	0.9490	0.1795	0.3852
polish-5th	0.9509	0.0491	0.9509	0.5019	0.3801
polya	0.8011	0.1989	0.8011	0.5497	0.6669
popularity	0.6039	0.2671	0.6140	0.1188	0.5709
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	1.0000	0.0043	0.9817	1.0000	0.0313
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.3939	0.0551	0.3939	0.3306	0.2119
profb	0.7612	0.2388	0.7612	0.4709	0.7510
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	1.0000	0.0032	1.0000	1.0000	0.0256
pufs-6410%	0.5014	0.4986	0.5014	0.0027	0.9989
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.7965	0.0354	0.7897	0.7238	0.3540
re1-wc	0.8211	0.0153	0.8200	0.7687	0.1666
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6589	0.3411	0.6589	0.2927	0.8751
RT_IOT2022	1.0000	0.0007	1.0000	0.9803	0.0058
satimage	0.9098	0.0301	0.9098	0.8885	0.1452
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9487	0.0513	0.9487	0.6650	0.3347
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.6176	0.3824	0.6176	0.2353	0.9023
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9654	0.0099	0.9654	0.9595	0.0485
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.1696	0.4759
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-2-gram	0.8711	0.1289	0.8711	0.1348	0.5175
sens-3-gram	0.8789	0.1211	0.8789	0.1312	0.2567
sens-4-gram	0.8816	0.1184	0.8816	0.1842	0.3526
sensorless	1.0000	0.0015	1.0000	1.0000	0.0160
sepsis	0.6405	0.3595	0.6405	0.0620	0.5126
shoppers	0.9019	0.0981	0.9019	0.5891	0.5456
shuttle	1.0000	0.0001	0.9906	0.9899	0.0138
sick	0.9682	0.0318	0.9682	0.6843	0.2258
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9869	0.0131	0.9869	0.9611	0.1539
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.7626	0.0791	0.7626	0.6960	0.2093
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9522	0.0478	0.9522	0.8996	0.2591
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6038	0.0165	0.6038	0.5790	0.1179
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9464	0.0536	0.9464	0.8536	0.3460
sport-articles	0.8200	0.1800	0.8200	0.6095	0.6396
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8821	0.1179	0.8821	0.6211	0.5536
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9107	0.0596	0.9107	0.8548	0.2192
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8308	0.1692	0.8308	0.6210	0.6213
steel-p	0.9436	0.0564	0.9436	0.5634	0.4735
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9744	0.0256	0.9744	0.8638	0.3518
studentap	0.6154	0.2564	0.6154	0.4091	0.4399
student-weekend	0.3692	0.2523	0.3692	0.1234	0.6862
student-workday	0.7500	0.1000	0.7500	0.2991	0.3232
susy10%	0.7999	0.2001	0.7999	0.5929	0.6521
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7275
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9909	0.0017	0.9909	0.9900	0.0146
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.9125	0.0875	0.9125	0.7441	0.3635
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8440	0.0951
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7067	0.2933	0.7067	0.0924	0.8701
trec11-wc	0.9268	0.0163	0.9268	0.9089	0.0431
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8639	0.0552
trec23-wc	0.8571	0.0476	0.8571	0.8056	0.0904
trec31-wc	0.9677	0.0092	0.9677	0.9571	0.0437
trec41-wc	0.8977	0.0205	0.8977	0.8742	0.1039
trec45-wc	0.8841	0.0232	0.8841	0.8636	0.0847
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8000	0.1000	0.8000	0.7333	0.2083
tvnews	0.9591	0.0409	0.9591	0.9108	0.2197
urban	0.8358	0.0365	0.8358	0.8077	0.1299
vehicle	0.8214	0.0893	0.8214	0.7600	0.1512
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6768	0.0588	0.6768	0.6444	0.1678
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9222	0.0778	0.9222	0.2999	0.3948
wap-wc	0.7980	0.0221	0.7947	0.7752	0.1600
warpar10p	1.0000	0.0000	1.0000	1.0000	0.0000
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.9974	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	1.0000	0.0002	1.0000	1.0000	0.0022
waveform	0.8560	0.0960	0.8560	0.7840	0.3442
web-phishing	0.8741	0.0840	0.8741	0.7766	0.3778
weight-lift	1.0000	0.0010	1.0000	1.0000	0.0083
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7170	0.0943	0.7170	0.5417	0.3670
winequality-white	0.6810	0.0911	0.6810	0.5080	0.3715
winnipeg	0.9788	0.0064	0.9757	1.0000	0.0480
yale	0.8750	0.0167	0.8750	0.8655	0.0275
yeast	0.6081	0.0784	0.6081	0.4897	0.3247
yeastCYT-POX	0.9796	0.0204	0.9796	0.6573	0.0692
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9457	0.0153	0.9471	0.9030	0.1227
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 174: Detailed results for CSBBoostXG(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1598	0.0570	0.1626	0.0746	0.4980
abalone19	0.8828	0.1172	0.8828	-0.0137	0.1162
abalone9-18	0.8082	0.1918	0.8082	0.1497	0.4837
accelerometer	0.8750	0.1250	0.8750	0.1772	0.2844
ads	0.9634	0.0366	0.9634	0.8426	0.2893
adult	0.8325	0.1675	0.8325	0.5780	0.6454
AID1284Morered	0.6944	0.3056	0.6944	0.1000	0.7073
AID1284red	0.8056	0.1944	0.8056	0.3505	0.6957
AID_1431	0.7619	0.2381	0.7619	-0.0005	0.6192
AID1608Morered	0.9029	0.0971	0.9029	0.2336	0.6676
AID1608red	0.8641	0.1359	0.8641	-0.0713	0.6176
AID_1878	0.7143	0.2857	0.7143	0.2001	0.7743
AID362red	0.9650	0.0350	0.9650	0.1013	0.4944
AID373AID439red	0.9948	0.0052	0.9948	-0.0003	0.0469
AID373red	0.9752	0.0248	0.9752	0.0371	0.0848
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9850	0.0150	0.9850	-0.0048	0.2717
AID600_MACCS	0.6216	0.3784	0.6216	0.2315	0.9011
AID_602330	0.8125	0.1875	0.8125	-0.0693	0.4071
AID604	0.9843	0.0157	0.9843	0.0802	0.3247
AID604AID644_AllRed	0.9870	0.0130	0.9870	0.0232	0.1253
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.7374	0.1751	0.7374	0.1280	0.5949
AID687AID721red	0.9906	0.0094	0.9906	-0.0011	0.0936
AID687red	0.9903	0.0097	0.9903	0.0548	0.3945
AID688red	0.9868	0.0132	0.9868	-0.0057	0.5585
AID721morered	0.4444	0.5556	0.4444	-0.0465	0.7758
AID721red	0.2222	0.7778	0.2222	-0.4651	0.7939
AID746AID1284red	0.9851	0.0149	0.9851	0.0201	0.1113
AID746red	0.9844	0.0156	0.9844	0.0720	0.4624
AID_773	0.5926	0.4074	0.5926	-0.1928	0.6021
AID852_MACCS	0.8154	0.1846	0.8154	0.5244	0.6822
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9663	0.0135	0.9663	0.9318	0.2177
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9694	0.0153	0.9694	0.9416	0.0921
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9680	0.0080	0.9680	0.9473	0.1180
anuran-species	0.9806	0.0039	0.9806	0.9730	0.0402
aps-failure	0.9738	0.0262	0.9738	0.5373	0.5372
arcene	0.8000	0.2000	0.8000	0.5652	0.6314
arrhythmia	0.7111	0.0444	0.7111	0.5465	0.2348
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.7826	0.0181	0.7826	0.7484	0.0508
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8821	0.0196	0.8821	0.8501	0.2310
balance	0.7419	0.1720	0.7419	0.5706	0.4030
bank	0.8905	0.1095	0.8905	0.5675	0.5983
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8917	0.1083	0.8917	0.7612	0.4585
basehock	0.9246	0.0754	0.9246	0.8493	0.3000
bio	0.9705	0.0086	1.0000	0.0300	0.0345
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9881	0.0008	0.9639	0.4219	0.1819
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.6786	0.3214	0.6786	0.3368	0.7643
breast-cancer-co	0.5455	0.4545	0.5455	0.0678	0.9704
breast-cancer-ma	0.3636	0.6364	0.3636	-0.2623	1.0000
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.7000	0.0857	0.7000	0.5946	0.1550
bub10at310k-hg16-17	0.9126	0.0927	0.9101	0.0000	0.2079
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6578	0.5785
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7500	0.4011
cancer	0.9565	0.0435	0.9565	0.9013	0.1598
car	0.9368	0.0316	0.9368	0.8715	0.2177
card	0.8261	0.1739	0.8261	0.6497	0.6048
cardiotocography	0.8451	0.0310	0.8451	0.8154	0.2014
cardiotocography-nsp	0.9249	0.0501	0.9249	0.8062	0.2472
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6639	0.4141
cas_N6512_cdk_ECFP2	0.7143	0.2857	0.7143	0.4319	0.7870
cdc_diabetes	0.8209	0.1194	0.8209	0.3318	0.3864
census10%	0.9305	0.0695	0.9305	0.4998	0.5980
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9915	0.0085	0.9915	0.1749	0.2348
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7368	0.2632	0.7368	0.4556	0.7693
cirrhosis	0.7619	0.1587	0.7619	0.5425	0.5654
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8185	0.0907	0.8185	0.7242	0.3998
climate	0.8704	0.1296	0.8704	0.4000	0.5840
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4910
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.5442	0.3039	0.5442	0.2997	0.6995
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0778
codon_usage	0.8926	0.0195	0.8926	0.8699	0.2106
coil20	0.9306	0.0069	0.9306	0.9269	0.0465
collins	0.9200	0.0107	0.9200	0.9120	0.0296
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7586	0.2414	0.7586	0.4781	0.7496
colposcopies-2	0.4828	0.5172	0.4828	-0.0794	0.9943
colposcopies-3	0.5862	0.4138	0.5862	0.1256	0.9452
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.2658	0.7266
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.6552	0.3448	0.6552	0.2120	0.8102
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6895	0.2733
connect-4	0.9694	0.0204	0.9694	0.5658	0.5263
cottonmeloidogyne	0.7620	0.2380	0.7620	0.5244	0.7245
coupon	0.7192	0.2808	0.7192	0.4249	0.7992
covtype	0.6810	0.0885	0.6939	0.4667	0.2722
covtypeCD	0.9632	0.0368	0.9632	0.8565	0.3680
covtypeT	0.9397	0.0603	0.9397	0.6469	0.5461
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.5707	0.6380
crowdsourced	0.9198	0.0267	0.9198	0.8430	0.3735
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2903	0.1368
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7778	0.2222	0.7778	0.5456	0.7094
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8233	0.1767	0.8233	0.4289	0.6885
deposit	0.8764	0.1236	0.8764	0.5084	0.6330
dermatology	0.9189	0.0270	0.9189	0.8989	0.0903
desharnais	0.5000	0.3333	0.5000	-0.0323	0.5746
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.4316	0.7900
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5313	0.3102	0.5405	0.0000	0.3410
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5721	0.4279	0.5721	0.1413	0.9521
dropout	0.7472	0.1685	0.7472	0.5914	0.4980
drug-01	0.3138	0.1960	0.3138	0.0691	0.8586
drug-02	0.4362	0.1611	0.4362	0.2375	0.7844
drug-03	0.5426	0.1307	0.5426	0.1837	0.7000
drug-04	0.3883	0.1748	0.3883	0.1454	0.8355
drug-05	0.6277	0.1064	0.6277	0.0650	0.7418
drug-06	0.3085	0.1976	0.3085	0.1746	0.6695
drug-07	0.3617	0.1824	0.3617	0.0352	0.6281
drug-08	0.4947	0.1444	0.4947	0.2398	0.7302
drug-09	0.7447	0.0729	0.7447	0.1238	0.5864
drug-10	0.4574	0.1550	0.4574	0.2005	0.7629
drug-11	0.6223	0.1079	0.6223	0.0848	0.6328
drug-12	0.6383	0.1033	0.6383	0.1770	0.7119
drug-13	0.5213	0.1368	0.5213	0.2395	0.7666
drug-14	0.5426	0.1307	0.5426	0.3271	0.7014
drug-15	0.5691	0.1231	0.5691	0.1497	0.7963
drug-16	0.5426	0.1307	0.5426	0.3582	0.5596
drug-17	0.2660	0.2097	0.2660	0.1092	0.7817
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.5479	0.1292	0.5479	0.0665	0.7915
drybean	0.9214	0.0225	0.9214	0.9050	0.1277
ecoli	0.8529	0.0368	0.8529	0.7969	0.1316
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.7576	0.2424	0.7576	0.2281	0.5602
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.4716	0.0660	0.4716	0.4256	0.6430
eeg-eye	0.8044	0.1956	0.8044	0.6053	0.6582
EPA_FHM	0.9016	0.0984	0.9016	0.1974	0.6687
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.3045	0.8639
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7070	0.5428
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.5104	0.5170
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.8871	0.1129	0.8871	0.5989	0.6043
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.8710	0.1290	0.8710	0.2812	0.5144
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5114	0.7130
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6164	0.1534	0.6164	0.5111	0.4036
euthyroid	0.9652	0.0348	0.9652	0.8061	0.3831
exon.vs.intron-freq	0.9230	0.0869	0.9025	0.8436	0.3586
fbis-wc	0.8171	0.0215	0.8171	0.7934	0.1649
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.6500	0.0875	0.6500	0.5625	0.1741
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.3564	0.0086	0.3536	0.2822	0.3123
forest	0.8846	0.0577	0.8846	0.8403	0.1330
gas	0.9871	0.0043	0.9871	0.9843	0.0320
gastrointestinal	0.7500	0.1667	0.7500	0.6145	0.3815
gender	0.5621	0.2919	0.5621	0.1768	0.7395
gene	0.9085	0.0610	0.9085	0.8553	0.2371
german	0.6600	0.3400	0.6600	0.2428	0.8831
gina	0.9395	0.0605	0.9395	0.8789	0.3055
glass	0.6190	0.1270	0.6190	0.4750	0.2979
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4444	0.1354
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4453
haberman	0.7000	0.3000	0.7000	0.2623	0.8380
hapt	0.9543	0.0076	0.9543	0.9460	0.0668
har70	0.8540	0.0399	0.8613	0.8115	0.1579
harth10%	0.7351	0.0441	0.7351	0.6508	0.3138
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4295	0.7316
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8365	0.1737	0.8177	0.6551	0.6211
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6697	0.3335	0.6531	0.3359	0.8445
higher	0.1429	0.2143	0.1429	-0.0244	0.4066
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8870	0.1130	0.8870	0.5642	0.5758
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.6667	0.2222	0.6667	0.4390	0.5739
htru2	0.9687	0.0313	0.9687	0.8236	0.3945
ht-sensor	0.8764	0.0824	0.8764	0.8150	0.2761
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6271	0.3729	0.6271	0.1774	0.8671
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8485	0.0117	0.8485	0.8425	0.1257
jm1	0.7732	0.2268	0.7732	0.3053	0.7764
fvowels	0.9247	0.0167	0.9247	0.9147	0.1194
kc1	0.7536	0.2464	0.7536	0.2201	0.7511
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3333	0.1981
kc1-class-level-top5percentDF	0.7333	0.2667	0.7333	-0.1111	0.4921
kc2	0.7115	0.2885	0.7115	0.2586	0.7869
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6406	0.0399	0.6406	0.6000	0.3754
krvskp	0.9624	0.0376	0.9624	0.9248	0.2042
la1s-wc	0.6859	0.1072	0.6740	0.5617	0.3433
la2s-wc	0.6244	0.1251	0.6101	0.4904	0.3658
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6877	0.0162	0.6786	0.6589	0.0609
led24	0.5500	0.0900	0.5500	0.4944	0.2266
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9160	0.0065	0.9160	0.9126	0.0938
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8207	0.0763
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6765	0.3235	0.6765	0.3909	0.6673
localization	0.5354	0.0845	0.5354	0.4524	0.6878
lrs	0.7736	0.0453	0.7736	0.6902	0.2280
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7000	0.1200	0.7000	0.2899	0.4522
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6000	0.5944
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.1250	0.2500	0.1250	0.0000	0.3388
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.6429	0.1786	0.6429	0.3333	0.3413
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7615	0.2385	0.7615	0.5231	0.7228
magic04	0.8538	0.1462	0.8538	0.6794	0.5736

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6654	0.5984
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.6931	0.2046	0.6931	0.5337	0.4996
messidor	0.6261	0.3739	0.6261	0.2547	0.8910
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8487	0.1498
meter-D	0.7778	0.1111	0.7778	0.6936	0.2800
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0894
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1489
mfeat-kar	0.9100	0.0180	0.9100	0.9000	0.1084
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2092
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0606
mfeat-zer	0.7200	0.0560	0.7200	0.6889	0.1941
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5211	0.4198
mobile	0.8427	0.0056	0.8427	0.8398	0.0703
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.7705	0.2295	0.7705	0.5137	0.7188
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9212	0.0788	0.9212	0.7009	0.5072
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9915
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7804
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.8133	0.1867	0.8133	0.6232	0.6362
MUT_ci300400a_cdk_ECFP2	0.7662	0.2338	0.7662	0.5275	0.7197
myocardial	0.8647	0.0338	0.8647	0.4002	0.3177
naticusdroid	0.9625	0.0375	0.9625	0.9250	0.2124
nci9	0.1667	0.1852	0.1667	0.0909	0.2184
ncRNA10%	0.7336	0.0280	0.7336	0.5114	0.9485
newspop	0.6647	0.3353	0.6647	0.3265	0.8645
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9469	0.0531	0.9469	0.8716	0.3215
NPHA-doctor-visits	0.3056	0.4630	0.3056	-0.1439	0.8268
nursery	0.9769	0.0093	0.9769	0.9662	0.0753
obs	0.9815	0.0093	0.9815	0.9727	0.0458
occupancy	0.9903	0.0097	0.9903	0.9730	0.1150
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9730	0.0445
oh0-wc	0.8713	0.0257	0.8713	0.8528	0.1202
oh10-wc	0.7524	0.0495	0.7524	0.7193	0.2190
oh15-wc	0.7935	0.0413	0.7935	0.7653	0.2091
oh5-wc	0.7253	0.0549	0.7253	0.6898	0.2406
opn310k	0.9066	0.0890	0.9122	0.0000	0.2088
opnat310k-hg16-17	0.8922	0.0913	0.8872	0.0000	0.2133
optdigits	0.9377	0.0125	0.9377	0.9308	0.0823
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.6500	0.0175	0.6500	0.6410	0.0631
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9289	0.0711	0.9289	0.4414	0.5188
ozone8hr	0.8379	0.1621	0.8379	0.2263	0.6105
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9598	0.0161	0.9598	0.8036	0.4140

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.9045	0.0955	0.9045	0.7769	0.4595
pasture	0.5000	0.3333	0.5000	0.0000	0.3770
pc1	0.8739	0.1261	0.8739	0.2994	0.6299
pcmac	0.4897	0.5103	0.4897	-0.0547	1.0000
pd	0.8816	0.1184	0.8816	0.6897	0.5506
pediatric-leukemia	0.7647	0.0672	0.7647	0.7122	0.2156
pendigits	0.9809	0.0038	0.9809	0.9788	0.0327
period	0.8889	0.1111	0.8889	0.7692	0.4011
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8557	0.1443	0.8557	0.6854	0.5704
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7773	0.4632
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7000	0.3000	0.7000	0.4000	0.7967
phishing	0.9469	0.0531	0.9469	0.8893	0.2887
phoneme	0.8407	0.1593	0.8407	0.6531	0.5549
phy	0.7136	0.2864	0.7136	0.4270	0.8004
pima	0.7500	0.2500	0.7500	0.4915	0.7425
plx	0.5000	0.5000	0.5000	-0.0519	0.8981
poker	0.4888	0.1001	0.5005	0.0000	0.1724
polish-1st	0.9118	0.0882	0.9118	0.3558	0.5210
polish-2nd	0.9174	0.0826	0.9174	0.2730	0.5638
polish-3rd	0.8514	0.1486	0.8514	0.1681	0.5005
polish-4th	0.8939	0.1061	0.8939	0.3751	0.5550
polish-5th	0.9002	0.0998	0.9002	0.4367	0.6062
polya	0.7719	0.2281	0.7719	0.5092	0.7299
popularity	0.6346	0.2436	0.6346	0.2904	0.6897
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9625	0.0150	0.9625	0.9531	0.0843
pred-tox_mutagen_ref-desc	0.7500	0.2500	0.7500	0.5000	0.7494
primary-tumor	0.3939	0.0551	0.3939	0.3293	0.2265
profb	0.6567	0.3433	0.6567	0.2802	0.8446
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	0.8182	0.1818	0.8182	0.6333	0.6309
puc-rio	0.9731	0.0108	0.9731	0.9639	0.0797
pufs-6410%	0.4983	0.5095	0.5112	-0.0006	0.9923
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.7800	0.0338	0.7800	0.7230	0.2845
re1-wc	0.7831	0.0173	0.7831	0.7556	0.2165
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.6575	0.3425	0.6575	0.3453	0.7657
RT_IOT2022	0.9857	0.0016	0.9880	0.9776	0.0144
satimage	0.9082	0.0306	0.9082	0.8873	0.1578
satimageF	0.9876	0.0124	0.9876	0.9374	0.2071
satimageT	0.8787	0.1213	0.8787	0.5074	0.6060
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5294	0.4706	0.5294	0.0588	0.9712
secom	0.8526	0.1474	0.8526	0.0733	0.6158
secondary_mushroom	0.9401	0.0599	0.9401	0.8789	0.3061
segment	0.9567	0.0124	0.9567	0.9494	0.0591
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8760	0.1240	0.8760	0.2087	0.6357
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.6842	0.3158	0.6842	0.0633	0.6905
sens-2-gram	0.7947	0.2053	0.7947	0.2538	0.7207
sens-3-gram	0.7474	0.2526	0.7474	0.1850	0.7033
sens-4-gram	0.8679	0.1333	0.8696	0.0000	0.2754
sensorless	0.9880	0.0022	0.9880	0.9868	0.0214
sepsis	0.5922	0.4078	0.5922	0.0894	0.4636
shoppers	0.8800	0.1200	0.8800	0.5875	0.6152
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9735	0.0265	0.9735	0.8006	0.4158
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9884	0.0116	0.9884	0.9655	0.1413
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.7338	0.0887	0.7338	0.6639	0.2647
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	0.9412	0.0062	0.9412	0.9356	0.0368
spambase	0.9348	0.0652	0.9348	0.8631	0.3261
spect	0.6667	0.3333	0.6667	0.0899	0.8578
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.5472	0.0189	0.5472	0.5232	0.1400
splice-EI	0.9527	0.0473	0.9527	0.8819	0.3038
splice-IE	0.9338	0.0662	0.9338	0.8239	0.4010
sport-articles	0.8500	0.1500	0.8500	0.6764	0.5756
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.7949	0.2051	0.7949	0.4761	0.6876
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8924	0.0717	0.8924	0.8261	0.2529
steel-k	0.9846	0.0154	0.9846	0.9533	0.1586
steel-o	0.8154	0.1846	0.8154	0.6044	0.6494
steel-p	0.9436	0.0564	0.9436	0.7019	0.5207
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.3077	0.4615	0.3077	-0.0636	0.7003
student-weekend	0.3385	0.2646	0.3385	0.1211	0.6864
student-workday	0.5781	0.1688	0.5781	-0.0416	0.5538
susy10%	0.7935	0.2065	0.7935	0.5814	0.6735
swarm_aligned	1.0000	0.0017	1.0000	1.0000	0.0219
swarm_flocking	1.0000	0.0046	0.9706	1.0000	0.0392
swarm_grouped	0.9818	0.0004	0.9821	1.0000	0.0039
tae	0.6667	0.2222	0.6667	0.5000	0.4210
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9600	0.0073	0.9600	0.9559	0.0539
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.3286	0.7325
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9102	0.0898	0.9102	0.7620	0.4690
titanic	0.8091	0.1909	0.8091	0.5247	0.6309
tourist	0.5000	0.1667	0.5000	0.2381	0.1674
tox_171	0.7059	0.1471	0.7059	0.6047	0.2692
toxicity	0.6471	0.3529	0.6471	0.2273	0.8920
toxicity-13f	0.5882	0.4118	0.5882	0.1905	0.8702
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6133	0.3867	0.6133	0.0645	0.8633
trec11-wc	0.8537	0.0325	0.8537	0.8206	0.1063
trec12-wc	0.8065	0.0484	0.8065	0.7704	0.1649

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6214	0.3091
trec23-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec31-wc	0.9355	0.0184	0.9355	0.9149	0.1036
trec41-wc	0.9205	0.0159	0.9205	0.9029	0.0815
trec45-wc	0.9275	0.0145	0.9275	0.9157	0.0556
tuandromd	0.9821	0.0179	0.9821	0.9448	0.1758
turkish	0.7750	0.1125	0.7750	0.7000	0.2775
tvnews	0.8370	0.1463	0.8558	0.6655	0.5101
urban	0.7761	0.0498	0.7761	0.7378	0.2157
vehicle	0.7976	0.1012	0.7976	0.7253	0.2350
vehicleVAN	0.9524	0.0476	0.9524	0.8806	0.3064
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5859	0.0753	0.5859	0.5444	0.2146
vowelZ	0.9697	0.0303	0.9697	0.8406	0.4011
vrnormat310k-hg16-17	0.9060	0.0888	0.9160	0.0000	0.2085
wap-wc	0.7436	0.0256	0.7436	0.7160	0.2227
warpar10p	0.6154	0.0769	0.6154	0.5548	0.1504
warppiel0p	0.9048	0.0190	0.9048	0.8937	0.0441
watch-acc10%	0.9249	0.0215	0.9249	0.9121	0.1005
watch-gyr10%	0.9355	0.0184	0.9355	0.9246	0.0946
waveform	0.8100	0.1267	0.8100	0.7151	0.4130
web-phishing	0.8593	0.0938	0.8593	0.7605	0.3976
weight-lift	0.9959	0.0016	0.9959	0.9948	0.0138
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9586	0.0414	0.9586	0.6857	0.5193
wine	0.9412	0.0392	0.9412	0.8917	0.0800
winequality-red	0.5472	0.1509	0.5472	0.3188	0.6343
winequality-white	0.4969	0.1437	0.4969	0.3105	0.5371
winnipeg	0.9875	0.0094	0.9889	0.9533	0.0685
yale	0.1875	0.1083	0.1875	0.0796	0.3453
yeast	0.5811	0.0838	0.5811	0.4648	0.4304
yeastCYT-POX	0.9388	0.0612	0.9388	0.5449	0.5239
yeastEXC	0.9392	0.0608	0.9392	0.2808	0.5314
yeastME1	0.9932	0.0068	0.9932	0.8854	0.3522
yeastME2	0.9054	0.0946	0.9054	0.3198	0.5713
zip	0.9355	0.0129	0.9355	0.9277	0.1039
zoo	0.9000	0.0286	0.9000	0.8684	0.0295

Table 175: Detailed results for CSBBoostXG(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1595	0.0568	0.1614	0.0753	0.5000
abalone19	0.8971	0.1029	0.8971	-0.0135	0.1275
abalone9-18	0.8219	0.1781	0.8219	0.2510	0.4737
accelerometer	0.8812	0.1188	0.8812	0.1827	0.2943
ads	0.9634	0.0366	0.9634	0.8426	0.2893
adult	0.8376	0.1624	0.8376	0.5854	0.6422
AID1284Morered	0.7500	0.2500	0.7500	0.1649	0.7334
AID1284red	0.7500	0.2500	0.7500	0.0357	0.7748
AID_1431	0.7857	0.2143	0.7857	0.0185	0.6434
AID1608Morered	0.8835	0.1165	0.8835	0.0804	0.6801
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7429	0.2571	0.7429	0.2414	0.7757
AID362red	0.9696	0.0304	0.9696	0.1185	0.5276
AID373AID439red	0.9948	0.0052	0.9948	-0.0003	0.0469
AID373red	0.9831	0.0169	0.9831	0.0363	0.1095
AID439Morered	0.7143	0.2857	0.7143	-0.1667	0.7987
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9870	0.0130	0.9870	-0.0046	0.3053
AID600_MACCS	0.5676	0.4324	0.5676	0.1395	0.9298
AID_602330	0.8698	0.1302	0.8698	-0.0601	0.5006
AID604	0.9765	0.0035	1.0000	0.0000	0.0161
AID604AID644_AllRed	0.9868	0.0132	0.9868	0.0229	0.1238
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.4500	0.5500	0.4500	-0.1458	0.9361
AID_652128	0.8182	0.1212	0.8182	0.3281	0.5895
AID687AID721red	0.9964	0.0036	0.9964	-0.0010	0.2227
AID687red	0.9949	0.0051	0.9949	0.1879	0.5356
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.4444	0.5556	0.4444	-0.0465	0.7758
AID746AID1284red	0.9888	0.0112	0.9888	0.0546	0.1569
AID746red	0.9900	0.0100	0.9900	0.0273	0.5531
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8462	0.1538	0.8462	0.5860	0.6412
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9663	0.0135	0.9663	0.9318	0.2177
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9750	0.0125	0.9750	0.9523	0.1231
anuran-f-b	0.9944	0.0056	0.9944	0.7474	0.5000
anuran-genus	0.9680	0.0080	0.9680	0.9478	0.1538
anuran-species	0.9792	0.0042	0.9792	0.9711	0.0430
aps-failure	1.0000	0.0182	0.9733	0.0000	0.0603
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7778	0.0342	0.7778	0.6617	0.2100
auction	0.9853	0.0147	0.9853	0.9349	0.2023
audiology	0.7826	0.0181	0.7826	0.7484	0.0580
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8227	0.0295	0.8227	0.7766	0.3121
balance	0.8387	0.1075	0.8387	0.7143	0.4092
bank	0.8924	0.1076	0.8924	0.5608	0.6069
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9009	0.0991	0.9009	0.7809	0.4257
basehock	0.9196	0.0804	0.9196	0.8393	0.3109
bio	0.9960	0.0086	1.0000	0.0300	0.0345
biodeg	0.8952	0.1048	0.8952	0.7810	0.4580
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9827	0.0008	0.9565	0.4303	0.1875
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1430
bub10at310k-hg16-17	0.9104	0.0906	0.9194	0.0000	0.2123
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5729	0.6378
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.2500	0.8686
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.8966	0.0517	0.8966	0.7884	0.2957
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8685	0.0263	0.8685	0.8424	0.1606
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7845	0.3879
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5445	0.5108
cas_N6512_cdk_ECFP2	0.7204	0.2796	0.7204	0.4441	0.7782
cdc_diabetes	0.8198	0.1202	0.8198	0.3329	0.3944
census10%	0.9315	0.0685	0.9315	0.4974	0.5996
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.8953	0.1047	0.8953	0.1264	0.6495
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	1.0000	0.0000	1.0000	1.0000	0.0000
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9851	0.0085	1.0000	0.1791	0.2366
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8014	0.4126
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7474	0.2526	0.7474	0.4960	0.7107
cirrhosis	0.8095	0.1270	0.8095	0.6283	0.3985
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8102	0.0949	0.8102	0.7004	0.4016
climate	0.8704	0.1296	0.8704	0.4000	0.5840
cil_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.9200	0.0800	0.9200	0.5556	0.5864
cmc	0.5442	0.3039	0.5442	0.3018	0.6876
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0678
codon_usage	0.8872	0.0205	0.8872	0.8630	0.2132
coil20	0.9792	0.0021	0.9792	0.9781	0.0121
collins	0.9600	0.0053	0.9600	0.9560	0.0158
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.7586	0.2414	0.7586	0.5012	0.7146
colposcopies-2	0.6897	0.3103	0.6897	0.3290	0.8459
colposcopies-3	0.7586	0.2414	0.7586	0.4835	0.7133
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.3741	0.7250
colposcopies-6	0.6897	0.3103	0.6897	0.3741	0.8142
colposcopies-c	0.6207	0.3793	0.6207	0.1671	0.8101
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7419	0.1720	0.7419	0.5804	0.3096
connect-4	0.9735	0.0177	0.9735	0.5840	0.5242
cottonmeloidogyne	0.7812	0.2188	0.7812	0.5628	0.6912
coupon	0.7248	0.2752	0.7248	0.4354	0.7912
covtype	0.6790	0.0872	0.6769	0.4680	0.2734
covtypeCD	0.9657	0.0343	0.9657	0.8648	0.3539
covtypeT	0.9283	0.0717	0.9283	0.6095	0.5504
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.4953	0.6672
crowdsourced	0.9180	0.0273	0.9180	0.8380	0.3354
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4062	0.0297	0.4062	0.3871	0.1171
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7407	0.2593	0.7407	0.4698	0.7686
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.4502	0.6873
deposit	0.8746	0.1254	0.8746	0.5014	0.6359
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7105	0.2895	0.7105	0.4011	0.8108
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5315	0.3044	0.5268	0.0000	0.3380
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.2000	0.8000	0.2000	-0.4286	1.0000
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.4167	0.5833	0.4167	-0.2727	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5401	0.4655	0.5446	0.0372	0.6520
dropout	0.7585	0.1610	0.7585	0.6037	0.4791
drug-01	0.2766	0.2067	0.2766	0.0480	0.8366
drug-02	0.4362	0.1611	0.4362	0.2295	0.7728
drug-03	0.5745	0.1216	0.5745	0.2214	0.6732
drug-04	0.3883	0.1748	0.3883	0.1387	0.8511
drug-05	0.5319	0.1337	0.5319	0.0042	0.8990
drug-06	0.3777	0.1778	0.3777	0.2285	0.6754
drug-07	0.3564	0.1839	0.3564	0.0630	0.7636
drug-08	0.4574	0.1550	0.4574	0.1806	0.7780
drug-09	0.7394	0.0745	0.7394	0.2263	0.5387
drug-10	0.4787	0.1489	0.4787	0.2325	0.7939
drug-11	0.6277	0.1064	0.6277	0.1299	0.5621
drug-12	0.6170	0.1094	0.6170	0.1554	0.7207
drug-13	0.5213	0.1368	0.5213	0.2528	0.7591
drug-14	0.5372	0.1322	0.5372	0.3241	0.6616
drug-15	0.5532	0.1277	0.5532	0.1709	0.7712
drug-16	0.5372	0.1322	0.5372	0.3364	0.6692
drug-17	0.3404	0.1885	0.3404	0.1767	0.7873
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.5266	0.1353	0.5266	0.0628	0.8217
drybean	0.9287	0.0204	0.9287	0.9138	0.1155
ecoli	0.8824	0.0294	0.8824	0.8359	0.0788
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.7879	0.2121	0.7879	0.2667	0.5821
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3912	0.0761	0.3912	0.3413	0.6891
eeg-eye	0.8144	0.1856	0.8144	0.6247	0.6389
EPA_FHM	0.9344	0.0656	0.9344	0.5658	0.5819
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3644	0.7788
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7070	0.5428
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.6433	0.5283
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8136	0.3324
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	0.5709	0.5288
er_tox_rdkit_MORGAN	0.8871	0.1129	0.8871	0.4182	0.4809
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6299	0.6147
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6575	0.1370	0.6575	0.5665	0.3616
euthyroid	0.9684	0.0316	0.9684	0.8262	0.3705
exon.vs.intron-freq	0.9186	0.0849	0.8941	0.8137	0.3580
fbis-wc	0.8862	0.0134	0.8862	0.8713	0.0935
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.6500	0.0875	0.6500	0.5666	0.2311
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.3537	0.0086	0.3569	0.2765	0.3028
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9842	0.0053	0.9842	0.9808	0.0343
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.5600	0.2933	0.5600	0.1836	0.7415
gene	0.9369	0.0421	0.9369	0.8999	0.1904
german	0.7200	0.2800	0.7200	0.3679	0.8133
gina	0.9424	0.0576	0.9424	0.8847	0.2950
glass	0.7143	0.0952	0.7143	0.6159	0.2544
glassBWFP	0.9524	0.0476	0.9524	0.9014	0.2404
glassBWNFP	0.6667	0.3333	0.6667	0.3226	0.8108
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1867	0.6057
haberman	0.7667	0.2333	0.7667	0.4262	0.7592
hapt	0.9588	0.0069	0.9588	0.9513	0.0437
har70	0.8502	0.0388	0.8742	0.8065	0.1596
harth10%	0.7255	0.0433	0.7493	0.6482	0.3138
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.9333	0.0667	0.9333	0.8148	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8299	0.1760	0.8379	0.6390	0.6276
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.3478	0.8010
higgs10%	0.6797	0.3337	0.6807	0.3378	0.8668
higher	0.4286	0.1429	0.4286	0.3412	0.3055
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8820	0.1180	0.8820	0.5428	0.5911
hiva	0.9456	0.0544	0.9456	0.1204	0.6256
horse	0.6944	0.2037	0.6944	0.4943	0.5436
htru2	0.9659	0.0341	0.9659	0.8094	0.4132
ht-sensor	0.8755	0.0833	0.8766	0.8236	0.2737
hypothyroid	0.9867	0.0066	0.9867	0.9231	0.1557
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.6271	0.3729	0.6271	0.2027	0.8474
immuno-therapy	0.7778	0.2222	0.7778	0.5263	0.5283
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8883	0.0086	0.8883	0.8839	0.1007
jm1	0.7704	0.2296	0.7704	0.2908	0.7820
fvowels	0.9337	0.0147	0.9337	0.9249	0.1058
kc1	0.7962	0.2038	0.7962	0.3483	0.7197
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2794	0.2370
kc1-class-level-top5percentDF	0.8000	0.2000	0.8000	-0.0976	0.5661
kc2	0.7692	0.2308	0.7692	0.3514	0.7685
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.5216	0.0532	0.5216	0.4664	0.4988
krvskp	0.9592	0.0408	0.9592	0.9185	0.2215
la1s-wc	0.6768	0.1082	0.6614	0.5679	0.3487
la2s-wc	0.6144	0.1236	0.6353	0.5019	0.3585
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6978	0.0156	0.6769	0.6674	0.0632
led24	0.5000	0.1000	0.5000	0.4413	0.2265
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8640	0.0105	0.8640	0.8585	0.1509
leukemia	0.7143	0.1905	0.7143	0.5625	0.3324
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8611	0.0185	0.8611	0.8506	0.0628
linkage10%	0.9999	0.0001	0.9999	0.9905	0.0635
liver	0.7647	0.2353	0.7647	0.4625	0.7536
localization	0.5286	0.0857	0.5286	0.4364	0.7349
lrs	0.8113	0.0377	0.8113	0.7387	0.1536
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.8272	0.1401
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5580	0.2469
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0368
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.7143	0.1027
madelon	0.8115	0.1885	0.8115	0.6231	0.6417
magic04	0.8548	0.1452	0.8548	0.6797	0.5698

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6235	0.6412
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7327	0.1782	0.7327	0.5928	0.4874
messidor	0.6261	0.3739	0.6261	0.2479	0.8998
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0540
mfeat-fou	0.8100	0.0380	0.8100	0.7889	0.1773
mfeat-kar	0.9150	0.0170	0.9150	0.9056	0.1002
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.1991
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0554
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1404
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4860	0.4426
mobile	0.8112	0.0067	0.8112	0.8077	0.0863
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9344	0.0656	0.9344	0.8580	0.3448
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9424	0.0576	0.9424	0.7761	0.4099
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9646
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7516
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3745	0.8355
MUT_ci300400a	0.7982	0.2018	0.7982	0.5929	0.6651
MUT_ci300400a_cdk_ECFP2	0.7674	0.2326	0.7674	0.5297	0.7182
myocardial	0.8882	0.0279	0.8882	0.4930	0.2133
naticusdroid	0.9618	0.0382	0.9618	0.9236	0.2151
nci9	0.3333	0.1481	0.3333	0.2258	0.1458
ncRNA10%	0.7939	0.0217	0.7939	0.5738	1.0000
newspop	0.6645	0.3355	0.6645	0.3267	0.8644
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9475	0.0525	0.9475	0.8729	0.3189
NPHA-doctor-visits	0.4028	0.3981	0.4028	0.0193	0.7339
nursery	0.9622	0.0151	0.9622	0.9446	0.0939
obs	0.9722	0.0139	0.9722	0.9591	0.0599
occupancy	0.9908	0.0092	0.9908	0.9744	0.1112
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9729	0.0175
oh0-wc	0.9109	0.0178	0.9109	0.8980	0.0926
oh10-wc	0.7524	0.0495	0.7524	0.7197	0.2484
oh15-wc	0.8804	0.0239	0.8804	0.8639	0.1177
oh5-wc	0.8242	0.0352	0.8242	0.8011	0.1522
opn310k	0.9123	0.0920	0.9229	0.0000	0.2118
opnat310k-hg16-17	0.9068	0.0917	0.9194	0.0000	0.2143
optdigits	0.9502	0.0100	0.9502	0.9446	0.0681
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.7250	0.0138	0.7250	0.7179	0.0486
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9209	0.0791	0.9209	0.3793	0.5192
ozone8hr	0.8775	0.1225	0.8775	0.3033	0.6445
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9561	0.0175	0.9561	0.7921	0.4312

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.9051	0.0949	0.9051	0.7782	0.4580
pasture	0.7500	0.1667	0.7500	0.6000	0.1321
pc1	0.8468	0.1532	0.8468	0.2461	0.6047
pcmac	0.5155	0.4845	0.5155	0.0003	0.9903
pd	0.9079	0.0921	0.9079	0.7667	0.4746
pediatric-leukemia	0.7353	0.0756	0.7353	0.6803	0.2375
pendigits	0.9809	0.0038	0.9809	0.9788	0.0318
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8557	0.1443	0.8557	0.6854	0.5704
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.7994
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7782	0.4492
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9673	0.0327	0.9673	0.9315	0.1998
phoneme	0.8556	0.1444	0.8556	0.6798	0.5428
phy	0.7180	0.2820	0.7180	0.4357	0.7934
pima	0.7895	0.2105	0.7895	0.5594	0.6940
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.4924	0.0995	0.4883	0.0000	0.1730
polish-1st	0.9161	0.0839	0.9161	0.3688	0.5283
polish-2nd	0.8987	0.1013	0.8987	0.2365	0.5249
polish-3rd	0.8829	0.1171	0.8829	0.2374	0.5458
polish-4th	0.8929	0.1071	0.8929	0.3587	0.5598
polish-5th	0.8985	0.1015	0.8985	0.4409	0.6008
polya	0.7697	0.2303	0.7697	0.5033	0.7342
popularity	0.6550	0.2300	0.6550	0.2962	0.6459
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.9515	0.0194	0.9515	0.9393	0.1038
pred-tox_mutagen_ref-desc	0.7059	0.2941	0.7059	0.4118	0.8058
primary-tumor	0.4242	0.0523	0.4242	0.3667	0.2170
profb	0.6866	0.3134	0.6866	0.3428	0.8129
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9692	0.0123	0.9692	0.9587	0.0800
pufs-6410%	0.5079	0.4935	0.5091	-0.0006	1.0000
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8267	0.0267	0.8267	0.7794	0.2914
re1-wc	0.8554	0.0116	0.8554	0.8369	0.1600
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0202
rocket	0.6662	0.3338	0.6662	0.3599	0.7614
RT_IOT2022	1.0000	0.0016	0.9841	0.9837	0.0144
satimage	0.8896	0.0368	0.8896	0.8640	0.1748
satimageF	0.9829	0.0171	0.9829	0.9155	0.2628
satimageT	0.8911	0.1089	0.8911	0.5623	0.5804
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5000	0.5000	0.5000	0.0000	0.9949
secom	0.8654	0.1346	0.8654	0.0156	0.6456
secondary_mushroom	0.9461	0.0539	0.9461	0.8911	0.2836
segment	0.9654	0.0099	0.9654	0.9595	0.0427
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8915	0.1085	0.8915	0.2766	0.6413
semeion	0.9937	0.0063	0.9937	0.9662	0.1529
sens-1-gram	0.7132	0.2868	0.7132	0.0804	0.7106
sens-2-gram	0.8026	0.1974	0.8026	0.2670	0.7220
sens-3-gram	0.8053	0.1947	0.8053	0.2920	0.7128
sens-4-gram	0.8838	0.1347	0.8838	0.0000	0.2688
sensorless	0.9699	0.0055	0.9699	0.9669	0.0425
sepsis	0.6829	0.3171	0.6829	0.1175	0.5276
shoppers	0.8783	0.1217	0.8783	0.5787	0.6207
shuttle	0.9998	0.0000	0.9998	0.9995	0.0690
sick	0.9814	0.0186	0.9814	0.8628	0.3622
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9896	0.0104	0.9896	0.9689	0.1309
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.7626	0.0791	0.7626	0.6987	0.2362
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9412	0.0062	0.9412	0.9357	0.0333
spambase	0.9261	0.0739	0.9261	0.8449	0.3567
spect	0.6667	0.3333	0.6667	0.0899	0.8578
spectf	0.8571	0.1429	0.8571	0.6602	0.5894
spectrometer	0.5660	0.0181	0.5660	0.5407	0.1269
splice-EI	0.9495	0.0505	0.9495	0.8746	0.3145
splice-IE	0.9432	0.0568	0.9432	0.8510	0.3643
sport-articles	0.8100	0.1900	0.8100	0.5992	0.6575
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8154	0.1846	0.8154	0.5285	0.6556
steel-d	0.9846	0.0154	0.9846	0.7613	0.4382
steel_industry	0.8827	0.0782	0.8827	0.8103	0.2609
steel-k	0.9744	0.0256	0.9744	0.9206	0.1989
steel-o	0.8154	0.1846	0.8154	0.6070	0.6454
steel-p	0.9282	0.0718	0.9282	0.6290	0.5592
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3846	0.4103	0.3846	0.0545	0.7092
student-weekend	0.2615	0.2954	0.2615	0.0204	0.7963
student-workday	0.6094	0.1562	0.6094	0.1658	0.6346
susy10%	0.7940	0.2060	0.7940	0.5827	0.6734
swarm_aligned	0.9862	0.0016	1.0000	0.9758	0.0219
swarm_flocking	1.0000	0.0045	0.9815	1.0000	0.0386
swarm_grouped	0.9800	0.0004	0.9968	1.0000	0.0038
tae	0.4667	0.3556	0.4667	0.2000	0.6597
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9673	0.0060	0.9673	0.9639	0.0423
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7447	0.2553	0.7447	-0.0071	0.8042
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9125	0.0875	0.9125	0.7639	0.4554
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6895	0.1688
toxicity	0.5294	0.4706	0.5294	-0.0303	0.9755
toxicity-13f	0.6471	0.3529	0.6471	0.2273	0.8920
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6133	0.3867	0.6133	0.0949	0.8483
trec11-wc	0.9024	0.0217	0.9024	0.8814	0.1041
trec12-wc	0.8387	0.0403	0.8387	0.8067	0.1290

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7578	0.1733
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9545	0.0091	0.9545	0.9447	0.0666
trec45-wc	0.9420	0.0116	0.9420	0.9326	0.0554
tuandromd	0.9798	0.0202	0.9798	0.9376	0.1851
turkish	0.7750	0.1125	0.7750	0.7000	0.2824
tvnews	0.8323	0.1483	0.8387	0.6643	0.5238
urban	0.8507	0.0332	0.8507	0.8256	0.1437
vehicle	0.7738	0.1131	0.7738	0.6949	0.2212
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5556	0.0808	0.5556	0.5111	0.2339
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
vrnormat310k-hg16-17	0.8974	0.0899	0.9254	0.0000	0.2090
wap-wc	0.7821	0.0218	0.7821	0.7584	0.1905
warpar10p	0.6154	0.0769	0.6154	0.5695	0.1128
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8888	0.0318	0.8888	0.8699	0.1450
watch-gyr10%	0.8808	0.0341	0.8808	0.8607	0.1435
waveform	0.8260	0.1160	0.8260	0.7390	0.3914
web-phishing	0.8667	0.0889	0.8667	0.7676	0.3974
weight-lift	0.9908	0.0037	0.9908	0.9884	0.0239
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9607	0.0393	0.9607	0.6971	0.5156
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5535	0.1488	0.5535	0.3483	0.5661
winequality-white	0.4806	0.1484	0.4806	0.2875	0.6171
winnipeg	0.9538	0.0097	0.9804	0.9737	0.0707
yale	0.6875	0.0417	0.6875	0.6653	0.0800
yeast	0.5541	0.0892	0.5541	0.4337	0.4855
yeastCYT-POX	0.8980	0.1020	0.8980	0.4068	0.4711
yeastEXC	0.9527	0.0473	0.9527	0.3410	0.5673
yeastME1	0.9662	0.0338	0.9662	0.5293	0.5593
yeastME2	0.9189	0.0811	0.9189	0.2924	0.6080
zip	0.9323	0.0135	0.9323	0.9241	0.1035
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 176: Detailed results for AdaBoost-P

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0024	0.0688	0.0024	0.0000	0.3628
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9803	0.0197	0.9803	0.0813	0.4419
ads	0.9405	0.0655	0.9329	0.7728	0.4625
adult	0.8145	0.1916	0.7939	0.5470	0.6391
AID1284Morered	0.1389	0.8611	0.1389	0.0000	0.3050
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.0680	0.9320	0.0680	0.0000	0.1714
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8095	0.1905	0.8095	-0.0184	0.5483
AID362red	0.9743	0.0257	0.9743	-0.0129	0.5677
AID373AID439red	0.6936	0.3176	0.6709	0.0007	0.0015
AID373red	0.7086	0.2944	0.7170	0.0039	0.0105
AID439Morered	0.1429	0.8571	0.1429	0.0000	0.3113
AID439red	0.4286	0.5714	0.4286	0.1250	0.3900
AID456red	0.9830	0.0170	0.9830	-0.0050	0.2449
AID600_MACCS	0.5405	0.4595	0.5405	-0.0295	0.9698
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.8714	0.1297	0.8746	0.0446	0.0711
AID604AID644_AllRed	0.8224	0.1925	0.8141	0.0064	0.0145
AID644Morered	0.3000	0.7000	0.3000	0.0000	0.4809
AID644red	0.7000	0.3000	0.7000	0.0000	0.4416
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.4632	0.5212	0.4684	0.0011	0.0033
AID687red	0.6442	0.3794	0.6358	0.0053	0.0261
AID688red	0.5620	0.4225	0.5642	0.0056	0.0696
AID721morered	0.2222	0.7778	0.2222	0.0000	0.4150
AID721red	0.2222	0.7778	0.2222	0.0000	0.4150
AID746AID1284red	0.7128	0.2638	0.7115	0.0053	0.0108
AID746red	0.7377	0.2828	0.7304	0.0202	0.0598
AID_773	0.4074	0.5926	0.4074	0.1000	0.3341
AID852_MACCS	0.8923	0.1077	0.8923	0.6374	0.2574
all-aml	0.3333	0.6667	0.3333	0.0000	0.5000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	0.9730	0.0270	0.9730	0.9165	0.2605
anuran-family	0.9138	0.0431	0.9138	0.8291	0.1200
anuran-f-b	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-genus	0.9179	0.0205	0.9179	0.8641	0.1463
anuran-species	0.9264	0.0147	0.9264	0.8979	0.0608
aps-failure	0.9404	0.0502	0.9319	0.3800	0.4573
arcene	0.8102	0.1974	0.7983	0.6059	0.6342
arrhythmia	0.1778	0.1265	0.1778	0.1444	0.2624
auction	0.9559	0.0441	0.9559	0.8167	0.4140
audiology	0.0000	0.0833	0.0000	0.0000	0.3248
audit-risk	0.3974	0.6026	0.3974	0.0000	0.5233
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.7500	0.0833	0.7500	0.6785	0.2346
avila	0.4106	0.0982	0.4106	0.0000	0.2872
balance	0.9677	0.0215	0.9677	0.9422	0.1298
bank	0.8594	0.1485	0.8602	0.5117	0.5646
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8710	0.1290	0.8710	0.7236	0.5292
basehock	0.9492	0.0500	0.9324	0.8942	0.2606
bio	0.9858	0.0142	0.9858	0.5045	0.5297
biodeg	0.6762	0.3238	0.6762	0.1793	0.4706
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.0032	0.0687	0.0032	0.0000	0.0124
block10%	0.9940	0.0018	0.9773	0.8177	0.4700
block10%	0.9940	0.0018	0.9773	0.8177	0.4700
breast-cancer	0.7143	0.2857	0.7143	0.0968	0.7455
breast-cancer-co	0.7273	0.2727	0.7273	0.4590	0.7617
breast-cancer-ma	0.5441	0.4576	0.5368	0.0683	0.9549
breast-tissue	0.6364	0.1212	0.6364	0.5464	0.2045
bridges	0.5000	0.1429	0.5000	0.3902	0.2912
bub10at310k-hg16-17	0.9091	0.0909	0.9091	0.0000	0.2092
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.0000	0.3723
cad	0.7000	0.3000	0.7000	0.0000	0.4416
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9684	0.1146
car	0.6954	0.1523	0.6954	0.0000	0.2293
card	0.8406	0.1594	0.8406	0.6713	0.5861
cardiotocography	0.0329	0.1934	0.0329	0.0000	0.3812
cardiotocography-nsp	0.8263	0.1158	0.8263	0.6165	0.4730
cargo2k	0.9670	0.0220	0.9670	0.9505	0.0980
cars	0.7750	0.1500	0.7750	0.6194	0.4384
cas_N6512_cdk_ECFP2	0.7608	0.2328	0.7699	0.5347	0.7363
cdc_diabetes	0.5765	0.2855	0.5672	0.1808	0.5047
census10%	0.8194	0.1734	0.8234	0.3111	0.4808
central-nervous-system	0.3333	0.6667	0.3333	0.0000	0.5000
cervical-B	0.9535	0.0465	0.9535	0.6895	0.5225
cervical-C	0.9070	0.0930	0.9070	-0.0456	0.6842
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9070	0.0930	0.9070	0.0000	0.2126
chemo_fontaine	0.8140	0.1860	0.8140	0.6387	0.4644
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9992	0.0008	0.9992	0.6989	0.5127
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.5328	0.6071
ci200186m_DESC_PADEL	0.6296	0.3704	0.6296	0.0000	0.4858
ci200186m_ExtendedFingerprinter	0.6727	0.3273	0.6727	0.1885	0.7935
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2592	0.6965
cirrhosis	0.3810	0.4127	0.3810	0.0000	0.3169
cjs	0.9786	0.0071	0.9786	0.9739	0.0392
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8463	0.0769	0.8463	0.7675	0.3866
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cil_sub_111	0.5960	0.2766	0.5918	0.3088	0.4115
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5510	0.2993	0.5510	0.3169	0.6885
cnae-9	0.8780	0.0252	0.8926	0.8642	0.1187
codon_usage	0.6953	0.0554	0.6953	0.6350	0.2702
coil20	0.0486	0.0951	0.0486	0.0000	0.4166
collins	0.9200	0.0107	0.9200	0.9119	0.0385
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.5862	0.4138	0.5862	-0.0116	0.9557
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.6897	0.3103	0.6897	0.3003	0.7004
colposcopies-4	0.7241	0.2759	0.7241	0.0000	0.4230

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7931	0.2069	0.7931	0.5797	0.4308
colposcopies-c	0.8276	0.1724	0.8276	0.4487	0.6170
column-2c	0.7419	0.2581	0.7419	0.2994	0.6770
column-3c	0.7419	0.1720	0.7419	0.5595	0.3670
connect-4	0.9725	0.0313	0.9363	0.4677	0.4804
cottonmeloidogyne	0.7452	0.2548	0.7452	0.4902	0.7569
coupon	0.6680	0.3320	0.6680	0.3272	0.8603
covtype	0.8099	0.0550	0.7922	0.6891	0.4304
covtypeCD	0.1367	0.8633	0.1367	0.0000	0.3014
covtypeT	0.9556	0.0423	0.9683	0.7484	0.4866
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.3722	0.7266
crowdsourced	0.9253	0.0249	0.9253	0.8491	0.2922
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0312	0.0484	0.0312	0.0000	0.4005
cyclopentane	0.5926	0.4074	0.5926	0.1818	0.9314
cylinder-bands	0.4259	0.5741	0.4259	0.0000	0.5284
darwin	0.5000	0.5000	0.5000	0.0000	0.5283
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.5714	0.4286	0.5714	0.0000	0.5112
default	0.6300	0.3700	0.6300	0.2434	0.7128
deposit	0.8299	0.1606	0.8464	0.4907	0.5706
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4286	0.1885
dexter	0.8654	0.1480	0.8392	0.6893	0.5687
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5380	0.6517
diabetes	0.9808	0.0192	0.9808	0.9590	0.0927
diabetic10%	0.4545	0.3605	0.4477	0.1297	0.7670
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.0000	0.4011
dlbcl-nih	0.5833	0.4167	0.5833	0.0000	0.5068
dlbcl-stanford	0.4000	0.6000	0.4000	0.0000	0.5239
dota2	0.5355	0.4514	0.5567	0.0963	0.9804
dropout	0.7404	0.1731	0.7404	0.5726	0.5027
drug-01	0.3723	0.1793	0.3723	0.0954	0.6602
drug-02	0.4415	0.1596	0.4415	0.2288	0.7195
drug-03	0.4681	0.1520	0.4681	0.1215	0.5867
drug-04	0.4681	0.1520	0.4681	0.1675	0.7555
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3351	0.1900	0.3351	0.1937	0.6505
drug-07	0.0106	0.2827	0.0106	-0.0165	0.4075
drug-08	0.5106	0.1398	0.5106	0.1908	0.6986
drug-09	0.7181	0.0805	0.7181	0.0307	0.6359
drug-10	0.5160	0.1383	0.5160	0.2108	0.6551
drug-11	0.7500	0.0714	0.7500	0.1302	0.6004
drug-12	0.5691	0.1231	0.5691	0.0516	0.7078
drug-13	0.5638	0.1246	0.5638	0.2493	0.6873
drug-14	0.5691	0.1231	0.5691	0.0000	0.2602
drug-15	0.6330	0.1049	0.6330	0.1445	0.8422
drug-16	0.5213	0.1368	0.5213	0.0000	0.2706
drug-17	0.3191	0.1945	0.3191	0.1380	0.7605
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.4149	0.1672	0.4149	0.0550	0.6710
drybean	0.9074	0.0265	0.9074	0.8883	0.1333
ecoli	0.8824	0.0294	0.8824	0.8361	0.1085
ecoliCP-IM	0.9545	0.0455	0.9545	0.9043	0.2404

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7415	0.4437
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.0169	0.1229	0.0169	0.0000	0.3896
eeg-eye	0.4940	0.5060	0.4940	0.0733	0.5416
EPA_FHM	0.0656	0.9344	0.0656	0.0000	0.1662
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.2169	0.8988
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.0000	0.1339
er_tox_rdkit_AVALON	0.8689	0.1311	0.8689	0.0000	0.2690
er_tox_rdkit_descriptors	0.7049	0.2951	0.7049	0.2631	0.7926
er_tox_rdkit_FEATMORGAN	0.4516	0.5484	0.4516	0.0000	0.5305
er_tox_rdkit_LAYERED	0.8387	0.1613	0.8387	0.0000	0.3080
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.6935	0.3065	0.6935	0.0000	0.4463
er_tox_rdkit_RDKITFP	0.2951	0.7049	0.2951	0.0000	0.4776
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.3497	0.4422
eucalyptus	0.6438	0.1425	0.6438	0.5405	0.4177
euthyroid	0.9589	0.0411	0.9589	0.7495	0.3628
exon.vs.intron-freq	0.9554	0.0253	0.9801	0.9645	0.1604
fbis-wc	0.7787	0.0281	0.7705	0.7361	0.2493
fda.atompair_fp	0.3182	0.6818	0.3182	-0.0248	0.6920
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.6000	0.1000	0.6000	0.5000	0.2232
fontaine_MACCS	0.8409	0.1591	0.8409	0.6419	0.5678
fonts10%	0.0012	0.0131	0.0012	0.0000	0.3539
forest	0.8654	0.0673	0.8654	0.8133	0.1309
gas	0.1316	0.2895	0.1316	0.0000	0.4034
gastrointestinal	0.5000	0.3333	0.5000	0.0000	0.3718
gender	0.3937	0.4042	0.3937	0.0531	0.4303
gene	0.2524	0.4984	0.2524	0.0000	0.4017
german	0.6500	0.3500	0.6500	0.0000	0.4745
gina	0.9053	0.0889	0.9098	0.8148	0.3995
glass	0.6190	0.1270	0.6190	0.4437	0.2915
glassBWFP	0.7619	0.2381	0.7619	0.5494	0.4929
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.6875	0.3125	0.6875	0.2000	0.4644
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	0.9903	0.0000	0.9986	0.9892	0.0000
glioma	0.4000	0.3000	0.4000	0.0000	0.3039
glioma-grade	0.8571	0.1429	0.8571	0.7085	0.5490
green	0.3000	0.7000	0.3000	0.0000	0.4809
GREY_MAO_DESC_PADEL	0.7143	0.2857	0.7143	0.3636	0.4644
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.3333	0.3333	0.3333	0.1713	0.4519
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.3824	0.1029	0.3824	0.3371	0.3479
har70	0.8198	0.0515	0.8198	0.7496	0.2642
harth10%	0.7950	0.0342	0.7950	0.7236	0.2633
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.4118	0.5882	0.4118	0.0000	0.5263
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.5333	0.4667	0.5333	0.0000	0.5223
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8133	0.1867	0.8133	0.6263	0.6250
hERG-121inputs	0.2857	0.7143	0.2857	0.0000	0.4711
hERG-64inputs	0.2857	0.7143	0.2857	0.0000	0.4711
hERG-9inputs	0.8462	0.1538	0.8462	0.5667	0.6469
HIA_desc	0.3000	0.7000	0.3000	0.0000	0.4809
higgs10%	0.6491	0.3509	0.6491	0.2852	0.8606
higher	0.2143	0.1964	0.2143	0.0000	0.3747
hinselmann	0.2000	0.8000	0.2000	0.0000	0.3900
hiv1-proteasa	0.8297	0.1703	0.8297	0.0000	0.3189
hiva	0.7192	0.2834	0.7360	0.0584	0.2876
horse	0.5278	0.3148	0.5278	0.0000	0.3606
htru2	0.9743	0.0257	0.9743	0.8481	0.3320
ht-sensor	0.6709	0.2194	0.6709	0.5142	0.4805
hypothyroid	0.9098	0.0451	0.9098	0.0000	0.0980
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136
ilpd	0.5424	0.4576	0.5424	0.2241	0.6207
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.8286	0.1714	0.8286	0.6535	0.4762
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.0385	0.0740	0.0385	0.0000	0.4200
jm1	0.8017	0.1983	0.8017	0.1939	0.7353
fvowels	0.9689	0.0069	0.9689	0.9647	0.0509
kc1	0.8389	0.1611	0.8389	0.3034	0.7200
kc1-class-level-defectiveornot	0.4000	0.6000	0.4000	0.0000	0.5239
kc1-class-level-numericdefect	0.0000	0.0833	0.0000	0.0000	0.1928
kc1-class-level-top5percentDF	0.6667	0.3333	0.6667	0.1935	0.3467
kc2	0.7500	0.2500	0.7500	0.1675	0.8277
kidney-disease	0.9750	0.0250	0.9750	0.9459	0.1112
krkopt	0.7843	0.0240	0.7843	0.7595	0.2749
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.8048	0.0674	0.7975	0.7509	0.3683
la2s-wc	0.7982	0.0707	0.7846	0.7322	0.3638
labor	0.6667	0.3333	0.6667	0.4000	0.5283
leaf	0.0294	0.0485	0.0294	0.0000	0.3575
led24	0.0500	0.1900	0.0500	0.0000	0.3959
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8905	0.0084	0.8905	0.8861	0.1208
leukemia	0.8566	0.0931	0.8583	0.7804	0.1649
leukemia2	0.5714	0.4286	0.5714	0.0000	0.5112
libra	0.0833	0.1222	0.0833	0.0000	0.4070
linkage10%	0.9965	0.0008	0.9812	0.8938	0.3277
liver	0.6471	0.3529	0.6471	0.3223	0.7519
localization	0.5954	0.0754	0.5683	0.5176	0.6170
lrs	0.0943	0.1811	0.0943	0.0000	0.2932
lsvt	0.3846	0.6154	0.3846	0.0714	0.5000
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-harvard1	0.9531	0.0201	0.9346	0.9117	0.0441
lung-cancer-harvard2	1.0000	0.0000	1.0000	0.9879	0.0000
lung-cancer-michigan	0.1111	0.8889	0.1111	0.0000	0.2575
lung-cancer-ontario	0.3333	0.6667	0.3333	0.0000	0.5000
lung_discrete	0.1250	0.2500	0.1250	0.0000	0.3388
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.0714	0.4643	0.0714	0.0000	0.2997
lymphoma2	0.4498	0.1239	0.4512	0.3883	0.1285
madelon	0.5000	0.5000	0.5000	0.0000	0.6993
magic04	0.7985	0.2015	0.7985	0.5260	0.6435

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5591	0.6962
MAO_MACCS	0.5714	0.4286	0.5714	0.2222	0.5283
maternal	0.7129	0.1914	0.7129	0.5601	0.4335
messidor	0.6174	0.3826	0.6174	0.2873	0.6431
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	0.7778	0.1481	0.7778	0.6786	0.1761
meter-C	0.3333	0.3333	0.3333	0.0000	0.3773
meter-D	0.2778	0.3611	0.2778	0.0000	0.3839
mfeat-fac	0.2350	0.1530	0.2350	0.1500	0.3587
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1481
mfeat-kar	0.9900	0.0020	0.9900	0.9889	0.0125
mfeat-mor	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-pix	0.1000	0.1800	0.1000	0.0000	0.4073
mfeat-zer	0.7950	0.0410	0.7950	0.7722	0.1371
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.6471	0.1412	0.6471	0.5580	0.3186
mobile	0.0210	0.0350	0.0210	0.0000	0.4289
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9344	0.0656	0.9344	0.8479	0.2092
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9545	0.0455	0.9545	0.8076	0.2263
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9508
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.5072	0.4928	0.5072	0.0000	0.5273
mutagens_ExtendedFingerprinter	0.5294	0.4706	0.5294	0.0588	0.5260
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4511	0.5812
MUT_ci300400a	0.7456	0.2544	0.7456	0.5019	0.6919
MUT_ci300400a_cdk_ECFP2	0.8216	0.1897	0.7952	0.6110	0.6412
myocardial	0.0235	0.2441	0.0235	-0.0102	0.2801
naticusdroid	0.9789	0.0305	0.9650	0.9569	0.1837
nci9	0.5066	0.1128	0.4994	0.4146	0.0862
ncRNA10%	0.7777	0.0234	0.7777	0.0000	0.1370
newspop	0.4677	0.5323	0.4677	0.0000	0.5307
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9640	0.0370	0.9842	0.9183	0.2476
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0751	0.7619
nursery	0.3333	0.2667	0.3333	0.0000	0.2972
obs	0.9815	0.0093	0.9815	0.9727	0.0458
occupancy	0.9898	0.0102	0.9898	0.9717	0.1196
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9761	0.0682
oh0-wc	0.9040	0.0196	0.9123	0.8937	0.1058
oh10-wc	0.7725	0.0480	0.7750	0.7390	0.2320
oh15-wc	0.8560	0.0304	0.8269	0.8425	0.1547
oh5-wc	0.7388	0.0520	0.7384	0.6994	0.2474
opn310k	0.6937	0.3063	0.6937	0.2077	0.4885
opnat310k-hg16-17	0.7002	0.2998	0.7002	0.2136	0.4929
optdigits	0.9715	0.0057	0.9715	0.9683	0.0390
optdigitsZ	0.9875	0.0125	0.9875	0.9225	0.1841
orl	0.0250	0.0488	0.0250	0.0000	0.4257
orlraws10P	1.0000	0.0000	1.0000	0.9818	0.0000
ovarian-cancer	0.6400	0.3600	0.6400	0.0000	0.4802
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.8814	0.1186	0.8814	0.1030	0.6959
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9342	0.0263	0.9342	0.6837	0.3778

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.7058	0.2942	0.7058	0.4389	0.5864
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac	0.4878	0.5125	0.4898	0.0300	0.9347
pd	0.2500	0.7500	0.2500	0.0000	0.4422
pediatric-leukemia	0.8676	0.0429	0.8737	0.8293	0.1342
pendigits	0.1028	0.1794	0.1028	0.0000	0.4062
period	0.6667	0.3333	0.6667	0.0000	0.4644
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8148	0.1750	0.8452	0.6234	0.6048
P-Glycoprotein_b_Substrate	0.5000	0.5000	0.5000	0.0000	0.5283
P-Glycoprotein_c_RDkit_AtomPair_FP	0.4683	0.5317	0.4683	0.0000	0.5307
P-Glycoprotein_RDkit_AtomPair_FP	0.4500	0.5500	0.4500	0.0000	0.5305
Pgp_desc	0.4000	0.6000	0.4000	0.0000	0.5239
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.7963	0.2037	0.7963	0.5402	0.6799
phy	0.6676	0.3229	0.6821	0.3445	0.8732
pima	0.6579	0.3421	0.6579	0.2492	0.8726
plx	0.7222	0.2778	0.7222	0.1509	0.7953
poker	0.1661	0.1680	0.1703	0.0083	0.9233
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.1622	0.8378	0.1622	0.0008	0.1889
polish-5th	0.2030	0.7970	0.2030	0.0050	0.2441
polya	0.3578	0.6422	0.3578	0.0000	0.5109
popularity	0.3135	0.4577	0.3135	0.0000	0.3128
post-operative	0.2222	0.5185	0.2222	-0.1053	0.3782
postures	0.8115	0.0754	0.8115	0.7644	0.2629
pred-tox_mutagen_ref-desc	0.5147	0.4853	0.5147	0.0294	0.8012
primary-tumor	0.1818	0.0744	0.1818	0.0000	0.3153
profb	0.3284	0.6716	0.3284	0.0000	0.4975
promoters	0.6000	0.4000	0.6000	0.0000	0.5000
prostate	0.9438	0.0699	0.9241	0.8749	0.2909
prostate_GE	0.4545	0.5455	0.4545	0.0000	0.5306
puc-rio	0.3057	0.2777	0.3057	0.0000	0.3559
pufs-6410%	0.5030	0.4970	0.5030	0.0061	0.9983
raisin	0.8222	0.1778	0.8222	0.6444	0.5288
re0-wc	0.6437	0.0552	0.6407	0.5573	0.4172
re1-wc	0.5902	0.0329	0.5769	0.5704	0.2512
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9927	0.0000	1.0000	0.9994	0.0000
rnaseq	0.9747	0.0051	1.0000	0.9785	0.0200
rocket	0.6197	0.3803	0.6197	0.1424	0.8688
RT_IOT2022	0.9792	0.0022	0.9742	0.9810	0.0500
satimage	0.8600	0.0467	0.8600	0.8261	0.1911
satimageF	0.9720	0.0280	0.9720	0.8689	0.3575
satimageT	0.8756	0.1244	0.8756	0.4564	0.6379
scadi	0.4286	0.1633	0.4286	0.0000	0.2912
schiller	0.2222	0.7778	0.2222	0.0000	0.4150
schizo	0.5000	0.5000	0.5000	0.0000	0.5283
secom	0.0705	0.9295	0.0705	-0.0113	0.2064
secondary_mushroom	0.9994	0.0005	0.9802	1.0000	0.0058
segment	0.1472	0.2437	0.1472	0.0000	0.4017
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.1006	0.8994	0.1006	0.0000	0.2381
sens-1-gram	0.8342	0.1658	0.8342	0.1173	0.7560
sens-2-gram	0.7289	0.2711	0.7289	0.1819	0.6850
sens-3-gram	0.7041	0.3116	0.6925	0.1902	0.6266
sens-4-gram	0.7038	0.2906	0.7155	0.1693	0.6564
sensorless	0.8964	0.0188	0.8964	0.8861	0.0953
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8459	0.1541	0.8459	0.0000	0.2991
shuttle	0.9907	0.0027	0.9907	0.9740	0.0351
sick	0.9761	0.0239	0.9761	0.7685	0.0796
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9986	0.0074
smk_can_187	0.6326	0.3699	0.6363	0.2834	0.7609
solar-flare	0.7050	0.0983	0.7050	0.6289	0.2879
sonar	0.7500	0.2500	0.7500	0.5000	0.7429
soybean	0.9559	0.0046	0.9559	0.9516	0.0275
spambase	0.8283	0.1717	0.8283	0.6149	0.4510
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.8857	0.1143	0.8857	0.6818	0.2781
spectrometer	0.0755	0.0385	0.0755	0.0000	0.3464
splice-EI	0.8896	0.1104	0.8896	0.6578	0.2656
splice-IE	0.2366	0.7634	0.2366	0.0000	0.4296
sport-articles	0.4000	0.6000	0.4000	0.0193	0.6660
squash-stored	0.4000	0.4000	0.4000	0.0000	0.3928
squash-unstored	0.4000	0.4000	0.4000	0.0000	0.2619
steel-b	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d	0.9692	0.0308	0.9692	0.0000	0.0938
steel_industry	0.5160	0.3227	0.5160	0.0000	0.3699
steel-k	0.7949	0.2051	0.7949	0.0000	0.3576
steel-o	0.6513	0.3487	0.6513	0.0000	0.4738
steel-p	0.0821	0.9179	0.0821	0.0000	0.2013
steel-s	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z	0.9026	0.0974	0.9026	0.0000	0.2196
studentap	0.2308	0.5128	0.2308	0.0000	0.4236
student-weekend	0.3385	0.2646	0.3385	0.0335	0.5628
student-workday	0.0781	0.3688	0.0781	0.0094	0.3703
susy10%	0.7616	0.2384	0.7616	0.5067	0.6493
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9763	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7073
Tdp_desc	0.7778	0.2222	0.7778	0.0000	0.3750
texture	0.9945	0.0010	0.9945	0.9940	0.0068
theorem	0.5827	0.4173	0.5827	0.0000	0.5071
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.8842	0.1158	0.8842	0.7216	0.3833
tis	0.8695	0.1122	0.8810	0.7157	0.5085
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.2500	0.2500	0.2500	0.1724	0.2487
tox_171	0.2941	0.3529	0.2941	0.0000	0.3969
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.6471	0.3529	0.6471	0.2273	0.8920
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7600	0.2400	0.7600	0.0000	0.3920
trec11-wc	0.9446	0.0160	0.9077	0.8932	0.0586
trec12-wc	0.8379	0.0406	0.8407	0.8140	0.1001

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7103	0.0904	0.7178	0.5726	0.3463
trec23-wc	0.9522	0.0155	0.9393	0.9183	0.0443
trec31-wc	0.9407	0.0125	0.9589	0.9313	0.0732
trec41-wc	0.8759	0.0251	0.8815	0.8680	0.1856
trec45-wc	0.8834	0.0234	0.9026	0.8758	0.1248
tuandromd	0.9327	0.0673	0.9327	0.8101	0.4203
turkish	0.7000	0.1500	0.7000	0.6000	0.3337
tvnews	0.9583	0.0424	0.9814	0.9175	0.2440
urban	0.1493	0.1891	0.1493	0.0000	0.3768
vehicle	0.8214	0.0893	0.8214	0.7616	0.1602
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.4167	0.5833	0.4167	0.0870	0.5131
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6263	0.0680	0.6263	0.5889	0.2102
vowelZ	0.9394	0.0606	0.9394	0.6333	0.5293
vrnormat310k-hg16-17	0.8047	0.1953	0.8047	0.2954	0.5918
wap-wc	0.6344	0.0377	0.6266	0.5824	0.2987
warpar10p	0.1538	0.1692	0.1538	0.0000	0.3906
warppie10p	0.0952	0.1810	0.0952	0.0000	0.4068
watch-acc10%	0.9812	0.0005	0.9770	0.9902	0.0050
watch-gyr10%	0.9796	0.0003	0.9828	0.9783	0.0034
waveform	0.8380	0.1080	0.8380	0.7570	0.3711
web-phishing	0.8370	0.1086	0.8370	0.7135	0.4521
weight-lift	0.9831	0.0005	0.9827	0.9735	0.0045
white-clover	0.3333	0.3333	0.3333	-0.0909	0.3403
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.2579	0.2474	0.2579	0.1291	0.4804
winequality-white	0.4479	0.1578	0.4479	0.0000	0.2575
winnipeg	0.9802	0.0057	0.9802	0.9750	0.0972
yale	0.0625	0.1250	0.0625	0.0000	0.4106
yeast	0.4662	0.1068	0.4662	0.3289	0.4117
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9527	0.0473	0.9527	-0.0237	0.6093
yeastME1	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.0882	0.1824	0.0882	0.0000	0.4045
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 177: Detailed results for DBUBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1607	0.0579	0.1607	0.0864	0.5721
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.9781	0.0219	0.9781	0.1761	0.5511
ads	0.9569	0.0371	0.9505	0.8524	0.3252
adult	0.8632	0.1368	0.8632	0.5857	0.5673
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8730	0.1270	0.8730	0.1318	0.7120
AID1608Morered	0.8544	0.1456	0.8544	-0.0782	0.6585
AID1608red	0.9223	0.0777	0.9223	0.1609	0.6561
AID_1878	0.7143	0.2857	0.7143	-0.0500	0.8560
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	1.0000	0.0003	0.9986	-0.0002	0.4963
AID373red	0.9960	0.0015	0.9999	-0.0007	0.5311
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6216	0.3784	0.6216	0.1981	0.9151
AID_602330	0.9062	0.0938	0.9062	-0.0485	0.5917
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9954	0.0010	1.0000	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8687	0.0875	0.8687	0.0949	0.3550
AID687AID721red	0.9905	0.0009	0.9891	-0.0004	0.5381
AID687red	0.9833	0.0030	0.9891	0.0000	0.0142
AID688red	0.2832	0.7168	0.2832	-0.0010	0.0505
AID721morered	0.4444	0.5556	0.4444	-0.3636	0.8576
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9858	0.0014	1.0000	0.2022	0.5249
AID746red	1.0000	0.0063	0.9899	0.1737	0.3728
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8615	0.1385	0.8615	0.5806	0.5911
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9764	0.0118	0.9764	0.9551	0.1271
anuran-f-b	0.9930	0.0070	0.9930	0.7027	0.5193
anuran-genus	0.9833	0.0042	0.9833	0.9726	0.0995
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0234
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.5833	0.6737
arrhythmia	0.7556	0.0376	0.7556	0.5979	0.2388
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8198	0.0300	0.8198	0.7770	0.0887
balance	0.8226	0.1183	0.8226	0.6922	0.3543
bank	0.8903	0.1097	0.8903	0.5563	0.6076
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6590	0.4804
basehock	0.9937	0.0198	0.9945	0.9464	0.1339
bio	0.9960	0.0040	0.9960	0.7296	0.1765
biodeg	0.8952	0.1048	0.8952	0.7810	0.4580
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9696	0.0000	0.9661	0.1478	0.3306
block10%	0.9943	0.0000	1.0000	0.9971	0.0003
block10%	0.9943	0.0000	1.0000	0.9971	0.0003
breast-cancer	0.5357	0.4643	0.5357	-0.0225	0.9156
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7755	0.1061
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.8293	0.1707	0.8293	0.4810	0.6891
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9770	0.0115	0.9770	0.9514	0.1338
card	0.8696	0.1304	0.8696	0.7285	0.5029
cardiotocography	0.8826	0.0235	0.8826	0.8595	0.1472
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8053	0.2994
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7371	0.3713
cas_N6512_cdk_ECFP2	0.5874	0.4214	0.5920	0.1109	0.7146
cdc_diabetes	0.8476	0.1063	0.8441	0.2391	0.3804
census10%	0.9462	0.0538	0.9462	0.3499	0.4864
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	0.2158	0.6307
cervical-H	0.9535	0.0465	0.9535	0.6446	0.5283
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9850	0.0004	1.0000	0.8224	0.3831
ci100410h_MACCS	0.7188	0.2812	0.7188	0.2174	0.8234
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6923	0.5642
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6824	0.5726
ci200186m.ExtendedFingerprinter	0.9091	0.0909	0.9091	0.7970	0.3704
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3794	0.8107
cirrhosis	0.7619	0.1587	0.7619	0.5312	0.4205
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8259	0.0870	0.8259	0.7315	0.3857
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	0.1892	0.6967
cmc	0.5510	0.2993	0.5510	0.3131	0.6953
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0712
codon_usage	0.8450	0.0282	0.8450	0.8106	0.1847
coil20	0.9792	0.0021	0.9792	0.9781	0.0147
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.4828	0.5172	0.4828	-0.1183	0.9849
colposcopies-2	0.5862	0.4138	0.5862	0.0890	0.9496
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7195	0.5250
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9593	0.0189	0.9718	0.5490	0.4625
cottonmeloidogyne	0.6466	0.3534	0.6466	0.2972	0.6883
coupon	0.6995	0.3005	0.6995	0.3858	0.8254
covtype	0.7308	0.0769	0.7308	0.5604	0.3031
covtypeCD	0.9816	0.0184	0.9816	0.9202	0.1679
covtypeT	0.9787	0.0213	0.9787	0.8416	0.3495
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3878	0.5671
crowdsourced	0.8866	0.0378	0.8866	0.7773	0.3274
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3246	0.1132
cyclopentane	0.7407	0.2593	0.7407	0.4793	0.7616
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8160	0.1840	0.8160	0.4266	0.7128
deposit	0.8883	0.1117	0.8883	0.4892	0.6450
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5789	0.3187
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5533	0.5058
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5363	0.3091	0.5363	-0.0023	0.3903
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.3333	0.6667	0.3333	-0.4118	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5539	0.4461	0.5539	0.0772	0.8886
dropout	0.7336	0.1776	0.7336	0.5606	0.5125
drug-01	0.3511	0.1854	0.3511	0.0097	0.6713
drug-02	0.4787	0.1489	0.4787	0.2559	0.6150
drug-03	0.4787	0.1489	0.4787	0.1152	0.6076
drug-04	0.4043	0.1702	0.4043	0.1473	0.7971
drug-05	0.6489	0.1003	0.6489	-0.0031	0.6609
drug-06	0.3670	0.1809	0.3670	0.2266	0.6506
drug-07	0.3989	0.1717	0.3989	0.0225	0.7046
drug-08	0.4681	0.1520	0.4681	0.1540	0.6924
drug-09	0.6968	0.0866	0.6968	0.0066	0.5570
drug-10	0.4362	0.1611	0.4362	0.1427	0.6660
drug-11	0.7340	0.0760	0.7340	0.1058	0.6694
drug-12	0.7074	0.0836	0.7074	0.2150	0.6241
drug-13	0.5745	0.1216	0.5745	0.2716	0.6315
drug-14	0.5585	0.1261	0.5585	0.3063	0.6539
drug-15	0.6543	0.0988	0.6543	0.1287	0.7534
drug-16	0.4681	0.1520	0.4681	0.2310	0.5661
drug-17	0.3351	0.1900	0.3351	0.1477	0.7588
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6223	0.1079	0.6223	0.0659	0.6797
drybean	0.9324	0.0193	0.9324	0.9182	0.1129
ecoli	0.8235	0.0441	0.8235	0.7545	0.1665
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.3376	0.0828	0.3376	0.2572	0.5421
eeg-eye	0.5788	0.4212	0.5788	0.0697	0.5620
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.3373	0.8226
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.4672	0.5906
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9194	0.0806	0.9194	0.8377	0.3748
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.8226	0.1774	0.8226	0.2969	0.4064
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5260	0.6945
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.4678	0.5898
eucalyptus	0.6438	0.1425	0.6438	0.5429	0.3793
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8314	0.3848
fbis-wc	0.8211	0.0210	0.8211	0.7961	0.1154
fda.atompair_fp	0.6818	0.3182	0.6818	0.2376	0.8493
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.5016	0.2404
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.6052	0.0052	0.6052	0.5833	0.2847
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9950	0.0017	0.9950	0.9939	0.0127
gastrointestinal	0.9375	0.0417	0.9375	0.9006	0.1278
gender	0.5916	0.2723	0.5916	0.0231	0.4398
gene	0.9274	0.0484	0.9274	0.8842	0.2153
german	0.6800	0.3200	0.6800	0.3148	0.8483
gina	0.8040	0.1960	0.8040	0.6059	0.5856
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.8571	0.1429	0.8571	0.6736	0.3386
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8929	0.1071	0.8929	0.7823	0.4537
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2771	0.5239
haberman	0.7667	0.2333	0.7667	0.3787	0.7748
hapt	0.9387	0.0102	0.9387	0.9276	0.0772
har70	0.8782	0.0348	0.8782	0.8246	0.1423
harth10%	0.8757	0.0250	0.8232	0.7818	0.2083
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.7778	0.2222	0.7778	0.5525	0.6913
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5761
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.2857	0.1786	0.2857	0.1358	0.3046
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8685	0.1315	0.8685	0.5115	0.6405
hiva	0.9629	0.0448	0.9499	0.0758	0.5942
horse	0.6389	0.2407	0.6389	0.3615	0.5853
htru2	0.9726	0.0274	0.9726	0.8333	0.3213
ht-sensor	0.7323	0.1789	0.7233	0.5987	0.3654
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636
ilpd	0.6610	0.3390	0.6610	0.2522	0.8391
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9050	0.0073	0.9050	0.9012	0.0845
jm1	0.2902	0.7098	0.2902	0.0384	0.4607
fvowels	0.9709	0.0065	0.9709	0.9670	0.0498
kc1	0.6303	0.3697	0.6303	0.2383	0.5789
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.0455	0.2031
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.4536	0.6691
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9319	0.0076	0.9319	0.9240	0.0946
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.6571	0.1143	0.6571	0.5452	0.3169
la2s-wc	0.7563	0.0813	0.7438	0.7027	0.3227
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6311	0.0549
led24	0.5000	0.1000	0.5000	0.4413	0.2398
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.9480	0.0040	0.9480	0.9459	0.0587
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8056	0.0259	0.8056	0.7912	0.0656
linkage10%	0.9929	0.0001	0.9900	0.9748	0.0212
liver	0.6471	0.3529	0.6471	0.2635	0.8463
localization	0.6007	0.0726	0.6007	0.5024	0.5380
lrs	0.8302	0.0340	0.8302	0.7656	0.1302
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5294	0.2669
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.4962	0.5038	0.4962	-0.0077	0.8375
magic04	0.8075	0.1925	0.8075	0.5770	0.6713

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6031	0.6609
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7921	0.1386	0.7921	0.6856	0.4138
messidor	0.6087	0.3913	0.6087	0.2538	0.8065
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9700	0.0060	0.9700	0.9667	0.0381
mfeat-fou	0.8250	0.0350	0.8250	0.8056	0.1501
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0416
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2255
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0378
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1496
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4100	0.4613
mobile	0.8706	0.0046	0.8706	0.8683	0.0573
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9394	0.0606	0.9394	0.7564	0.4008
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.7477
MUT_ci034254q_MACCS	0.6393	0.3607	0.6393	0.2777	0.8887
MUT_ci300400a	0.6892	0.3108	0.6892	0.3996	0.7426
MUT_ci300400a_cdk_ECFP2	0.6111	0.3930	0.6075	0.0779	0.5873
myocardial	0.8765	0.0309	0.8765	0.4935	0.3467
naticusdroid	0.9560	0.0440	0.9560	0.9120	0.2342
nci9	0.3333	0.1481	0.3333	0.2258	0.1303
ncRNA10%	0.9190	0.0093	0.8868	0.7503	0.4360
newspop	0.5353	0.4647	0.5353	0.0076	0.5621
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9180	0.0703	0.9227	0.8180	0.2713
NPHA-doctor-visits	0.3889	0.4074	0.3889	0.0246	0.8054
nursery	0.9985	0.0006	0.9985	0.9977	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9756	0.1049
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.8911	0.0218	0.8911	0.8752	0.1001
oh10-wc	0.8286	0.0343	0.8286	0.8041	0.1541
oh15-wc	0.8478	0.0304	0.8478	0.8269	0.1545
oh5-wc	0.8132	0.0374	0.8132	0.7887	0.1639
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9751	0.0050	0.9751	0.9723	0.0365
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6500	0.0175	0.6500	0.6410	0.0631
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9368	0.0632	0.9368	-0.0321	0.6277
ozone8hr	0.9091	0.0909	0.9091	0.2556	0.6615
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9854	0.0059	0.9854	0.9213	0.2878

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8890	0.1110	0.8890	0.7192	0.5020
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.8919	0.1081	0.8919	0.1917	0.6792
pcmac	0.5615	0.4389	0.5526	-0.0223	0.8624
pd	0.8684	0.1316	0.8684	0.5918	0.4410
pediatric-leukemia	0.8235	0.0504	0.8235	0.7837	0.1672
pendigits	0.9918	0.0016	0.9918	0.9909	0.0155
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5574	0.6186
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8685
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6844	0.5493
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.8000	0.2000	0.8000	0.5652	0.6314
phishing	0.9837	0.0163	0.9837	0.9656	0.1063
phoneme	0.8037	0.1963	0.8037	0.5855	0.5915
phy	0.6288	0.3712	0.6288	0.2552	0.7475
pima	0.7237	0.2763	0.7237	0.3899	0.7718
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.6616	0.0677	0.6616	0.3650	0.2860
polish-1st	0.9474	0.0526	0.9474	0.1862	0.6222
polish-2nd	0.9430	0.0570	0.9430	0.0377	0.6363
polish-3rd	0.9219	0.0781	0.9219	0.1390	0.6424
polish-4th	0.9439	0.0561	0.9439	0.4465	0.5973
polish-5th	0.9154	0.0846	0.9154	0.4229	0.6298
polya	0.6465	0.3535	0.6465	0.0255	0.5769
popularity	0.6250	0.2500	0.6250	0.0012	0.4719
post-operative	0.4444	0.3704	0.4444	-0.3636	0.5085
postures	0.9150	0.0340	0.9150	0.8936	0.1342
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.8249
primary-tumor	0.4242	0.0523	0.4242	0.3615	0.2557
profb	0.7164	0.2836	0.7164	0.3339	0.8243
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9673	0.0131	0.9673	0.9562	0.0660
pufs-6410%	0.4995	0.5005	0.4995	-0.0010	0.9999
raisin	0.8667	0.1333	0.8667	0.7333	0.4667
re0-wc	0.8400	0.0246	0.8400	0.7886	0.2105
re1-wc	0.5262	0.0378	0.5265	0.4321	0.1770
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	0.9995	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9499	0.0383
rocket	0.5370	0.4630	0.5370	0.1815	0.5964
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0044
satimage	0.8880	0.0373	0.8880	0.8619	0.1724
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8974	0.1026	0.8974	0.0433	0.4160
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.8333	0.1667	0.8333	0.0523	0.5880
secondary_mushroom	0.6016	0.3988	0.5996	0.1085	0.5148
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8915	0.1085	0.8915	0.2053	0.6589
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8079	0.1921	0.8079	0.0552	0.7832
sens-2-gram	0.8421	0.1579	0.8421	0.0938	0.7359
sens-3-gram	0.8598	0.1377	0.8576	0.0702	0.5656
sens-4-gram	0.8752	0.1370	0.8616	0.1302	0.6572
sensorless	0.9978	0.0004	0.9978	0.9976	0.0047
sepsis	0.8489	0.1511	0.8489	0.1178	0.7100
shoppers	0.8710	0.1290	0.8710	0.5661	0.6271
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9971	0.0029	0.9971	0.9911	0.0497
smk_can_187	0.5789	0.4211	0.5789	0.1556	0.9466
solar-flare	0.6906	0.1031	0.6906	0.6135	0.3095
sonar	0.7500	0.2500	0.7500	0.5000	0.7429
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9326	0.0674	0.9326	0.8570	0.3115
spect	0.7037	0.2963	0.7037	0.2340	0.8108
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5094	0.0204	0.5094	0.4823	0.1393
splice-EI	0.9653	0.0347	0.9653	0.9106	0.2608
splice-IE	0.9369	0.0631	0.9369	0.8269	0.3814
sport-articles	0.8400	0.1600	0.8400	0.6490	0.5884
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.6359	0.3641	0.6359	0.2989	0.6116
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8887	0.0742	0.8887	0.8200	0.2610
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6769	0.3231	0.6769	0.3761	0.7400
steel-p	0.9231	0.0769	0.9231	0.3623	0.5753
steel-s	0.9949	0.0051	0.9949	0.9307	0.0228
steel-z	0.9744	0.0256	0.9744	0.8695	0.3610
studentap	0.3846	0.4103	0.3846	0.0545	0.7363
student-weekend	0.3385	0.2646	0.3385	0.1102	0.6819
student-workday	0.5781	0.1688	0.5781	0.0634	0.5195
susy10%	0.7206	0.2819	0.7250	0.4043	0.5909
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9823	0.0004	1.0000	1.0000	0.0046
swarm_grouped	1.0000	0.0000	0.9758	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6480
Tdp_desc	0.8056	0.1944	0.8056	0.4615	0.7201
texture	0.9818	0.0033	0.9818	0.9799	0.0275
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7059	0.1471	0.7059	0.6083	0.2070
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5600	0.4400	0.5600	0.0024	0.8573
trec11-wc	0.9268	0.0163	0.9268	0.9092	0.0360
trec12-wc	0.8710	0.0323	0.8710	0.8446	0.0966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9398	0.1157
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9713	0.0121	0.9618	0.9441	0.0457
trec41-wc	0.9212	0.0158	0.9255	0.9113	0.0686
trec45-wc	0.9718	0.0058	0.9642	0.9759	0.0299
tuandromd	0.9865	0.0135	0.9865	0.9589	0.1547
turkish	0.8750	0.0625	0.8750	0.8333	0.1437
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.8209	0.0398	0.8209	0.7897	0.1667
vehicle	0.8095	0.0952	0.8095	0.7410	0.1936
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.7500	0.2500	0.7500	0.5263	0.5112
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5556	0.0808	0.5556	0.5111	0.2260
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.7500	0.0250	0.7500	0.7179	0.1499
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	0.9048	0.0190	0.9048	0.8939	0.0424
watch-acc10%	0.8275	0.0517	0.8321	0.7991	0.1657
watch-gyr10%	0.9152	0.0248	0.9115	0.9053	0.1020
waveform	0.7340	0.1773	0.7340	0.6014	0.4750
web-phishing	0.8741	0.0840	0.8741	0.7789	0.3770
weight-lift	0.5174	0.1983	0.5139	0.3352	0.2949
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0255
wilt	0.9793	0.0207	0.9793	0.7968	0.4165
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.5157	0.1614	0.5157	0.2488	0.6190
winequality-white	0.4458	0.1583	0.4458	0.2504	0.5412
winnipeg	0.9764	0.0061	0.9580	0.9802	0.0477
yale	0.6875	0.0417	0.6875	0.6639	0.0737
yeast	0.5338	0.0932	0.5338	0.4098	0.4314
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9392	0.0608	0.9392	-0.0215	0.6129
zip	0.9419	0.0116	0.9419	0.9349	0.0911
zoo	0.9000	0.0286	0.9000	0.8701	0.0000



Table 178: Detailed results for DBUBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1367	0.0595	0.1367	0.0566	0.4627
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9831	0.0169	0.9831	0.2013	0.2956
ads	0.9824	0.0244	0.9668	0.8970	0.2208
adult	0.8632	0.1368	0.8632	0.5829	0.5620
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.8544	0.1456	0.8544	0.0410	0.6438
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7333	0.2667	0.7333	0.0200	0.8448
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	1.0000	0.0003	0.9944	-0.0002	0.5021
AID373red	0.9970	0.0015	0.9966	-0.0007	0.5345
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6757	0.3243	0.6757	0.2975	0.8463
AID_602330	0.9427	0.0573	0.9427	-0.0233	0.6301
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	1.0000	0.0010	0.9918	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.1304	0.8900
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8586	0.0943	0.8586	0.1250	0.3762
AID687AID721red	1.0000	0.0009	1.0000	-0.0004	0.5389
AID687red	0.9904	0.0040	0.9839	-0.0014	0.5018
AID688red	0.9890	0.0110	0.9890	-0.0031	0.4667
AID721morered	0.3333	0.6667	0.3333	-0.4211	0.8208
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	1.0000	0.0013	1.0000	0.1981	0.5216
AID746red	0.9965	0.0062	0.9891	0.1733	0.3789
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8769	0.1231	0.8769	0.6364	0.5585
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9750	0.0125	0.9750	0.9523	0.0640
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9819	0.0045	0.9819	0.9702	0.0750
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0230
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7111	0.0444	0.7111	0.5224	0.2561
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7527	0.0306
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8227	0.0295	0.8227	0.7622	0.1328
balance	0.7903	0.1398	0.7903	0.6405	0.3973
bank	0.9109	0.0891	0.9109	0.5822	0.5947
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8295	0.1705	0.8295	0.5986	0.5027
basehock	0.9876	0.0199	0.9732	0.9469	0.1334
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8857	0.1143	0.8857	0.7623	0.4811
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9861	0.0009	0.9833	0.3247	0.4488
block10%	1.0000	0.0000	0.9953	0.9979	0.0001
block10%	1.0000	0.0000	0.9953	0.9979	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.2391	0.8288
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8453	0.1529
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8986	0.1014	0.8986	0.7888	0.4180
cardiotocography	0.8826	0.0235	0.8826	0.8590	0.1402
cardiotocography-nsp	0.9249	0.0501	0.9249	0.8007	0.3480
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6923	0.3419
cas_N6512_cdk_ECFP2	0.5819	0.4158	0.5918	0.1100	0.7021
cdc_diabetes	0.8556	0.1017	0.8525	0.1789	0.3189
census10%	0.8991	0.1009	0.8991	0.3878	0.5925
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9419	0.0581	0.9419	0.5889	0.5302
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9890	0.0004	0.9888	0.8312	0.3833
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6986	0.5448
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6824	0.5726
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6641	0.4665
ci900367j_MACCS	0.7263	0.2737	0.7263	0.3853	0.7792
cirrhosis	0.7857	0.1429	0.7857	0.5685	0.3575
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8278	0.0861	0.8278	0.7306	0.3561
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5782	0.2812	0.5782	0.3503	0.6796
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0462
codon_usage	0.7936	0.0375	0.7936	0.7460	0.2235
coil20	0.9861	0.0014	0.9861	0.9854	0.0069
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	0.0308	0.9539
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.2961	0.7083
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9588	0.0193	0.9726	0.5491	0.4649
cottonmeloidogyne	0.6442	0.3558	0.6442	0.2924	0.6987
coupon	0.7027	0.2973	0.7027	0.3898	0.8213
covtype	0.7329	0.0763	0.7329	0.5620	0.3195
covtypeCD	0.9861	0.0139	0.9861	0.9410	0.1669
covtypeT	0.9792	0.0208	0.9792	0.8401	0.3206
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3878	0.5671
crowdsourced	0.8544	0.0485	0.8544	0.6661	0.2866
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4688	0.0266	0.4688	0.4522	0.0880
cyclopentane	0.7407	0.2593	0.7407	0.4615	0.7356
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8117	0.1883	0.8117	0.4273	0.7229
deposit	0.8921	0.1079	0.8921	0.4958	0.6393
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5804	0.3857
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5393	0.3071	0.5393	0.0071	0.3973
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7404	0.1731	0.7404	0.5444	0.4256
drug-01	0.1064	0.2553	0.1064	0.0063	0.7420
drug-02	0.4574	0.1550	0.4574	0.2061	0.7132
drug-03	0.6649	0.0957	0.6649	0.0123	0.3820
drug-04	0.4521	0.1565	0.4521	0.1529	0.7244
drug-05	0.7128	0.0821	0.7128	0.0290	0.3838
drug-06	0.3777	0.1778	0.3777	0.2167	0.5973
drug-07	0.1862	0.2325	0.1862	0.0036	0.5207
drug-08	0.4255	0.1641	0.4255	0.1672	0.6130
drug-09	0.8351	0.0471	0.8351	0.0187	0.5730
drug-10	0.4574	0.1550	0.4574	0.1864	0.7741
drug-11	0.7979	0.0578	0.7979	0.0514	0.4649
drug-12	0.7181	0.0805	0.7181	-0.0144	0.7211
drug-13	0.5851	0.1185	0.5851	0.2616	0.4928
drug-14	0.5585	0.1261	0.5585	0.2683	0.5404
drug-15	0.6915	0.0881	0.6915	0.2318	0.8256
drug-16	0.5638	0.1246	0.5638	0.3116	0.4902
drug-17	0.3138	0.1960	0.3138	0.1064	0.7817
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.5957	0.1155	0.5957	0.0925	0.6023
drybean	0.9236	0.0218	0.9236	0.9075	0.1205
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2905	0.0887	0.2905	0.2190	0.6350
eeg-eye	0.5788	0.4212	0.5788	0.0705	0.5835
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.5076	0.6252
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5402	0.6695
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6423	0.5581
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8361	0.1639	0.8361	0.6059	0.6342
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6301	0.1479	0.6301	0.5181	0.3222
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.8252	0.0206	0.8252	0.8021	0.1344
fda.atompair_fp	0.6818	0.3182	0.6818	0.1538	0.8802
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5500	0.1125	0.5500	0.4286	0.2369
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.5414	0.0060	0.5414	0.5203	0.6810
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9921	0.0026	0.9921	0.9904	0.0202
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5916	0.2723	0.5916	0.0116	0.3366
gene	0.9464	0.0358	0.9464	0.9145	0.1581
german	0.7600	0.2400	0.7600	0.4655	0.7545
gina	0.8213	0.1787	0.8213	0.6410	0.5705
glass	0.8571	0.0476	0.8571	0.8062	0.1657
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9524	0.0476	0.9524	0.8889	0.1675
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8929	0.1071	0.8929	0.7823	0.4537
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.2012	0.5607
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.9414	0.0098	0.9414	0.9308	0.0496
har70	0.9402	0.0232	0.9049	0.9026	0.1194
harth10%	0.7494	0.0435	0.7427	0.6343	0.1555
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2388	0.8780
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5761
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.2857	0.1786	0.2857	0.1411	0.2685
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8921	0.1079	0.8921	0.5890	0.5637
hiva	0.9622	0.0443	0.9519	0.0761	0.5992
horse	0.7222	0.1852	0.7222	0.5034	0.4654
htru2	0.9765	0.0235	0.9765	0.8551	0.2726
ht-sensor	0.7478	0.1652	0.7445	0.6401	0.3740
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7288	0.2712	0.7288	0.3613	0.8031
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8973	0.0079	0.8973	0.8932	0.0855
jm1	0.8026	0.1974	0.8026	0.2539	0.7527
fvowels	0.9157	0.0187	0.9157	0.9043	0.1086
kc1	0.6493	0.3507	0.6493	0.2575	0.5855
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1483
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.3863	0.7537
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9212	0.0088	0.9212	0.9120	0.1138
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7320	0.0863	0.7483	0.6543	0.3724
la2s-wc	0.7453	0.0792	0.7471	0.6874	0.3223
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6615	0.0479
led24	0.5500	0.0900	0.5500	0.4958	0.2146
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8995	0.0077	0.8995	0.8954	0.1124
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8213	0.0641
linkage10%	0.9898	0.0000	0.9995	0.9883	0.0001
liver	0.6471	0.3529	0.6471	0.2302	0.8750
localization	0.5071	0.0896	0.5172	0.3637	0.4073
lrs	0.8302	0.0340	0.8302	0.7646	0.1281
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5192	0.4808	0.5192	0.0385	0.8648
magic04	0.8085	0.1915	0.8085	0.5782	0.6693

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8021	0.1979	0.8021	0.6042	0.6575
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6998	0.3967
messidor	0.6000	0.4000	0.6000	0.2518	0.7190
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9800	0.0040	0.9800	0.9778	0.0250
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1771
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0611
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.2001
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0253
mfeat-zer	0.7850	0.0430	0.7850	0.7611	0.1415
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3341	0.5355
mobile	0.9021	0.0035	0.9021	0.9003	0.0461
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9530	0.0470	0.9530	0.8020	0.2495
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9723
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.8067
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4690	0.7682
MUT_ci300400a	0.6867	0.3133	0.6867	0.3947	0.7467
MUT_ci300400a_cdk_ECFP2	0.6021	0.3926	0.6099	0.0765	0.5760
myocardial	0.8882	0.0279	0.8882	0.4448	0.0908
naticusdroid	0.9639	0.0361	0.9639	0.9277	0.2064
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.9035	0.0096	0.9184	0.7399	0.2078
newspop	0.5729	0.4271	0.5729	0.1000	0.7488
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9639	0.0490	0.9621	0.8894	0.2830
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0674	0.7422
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9922	0.0078	0.9922	0.9783	0.0936
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9208	0.0158	0.9208	0.9093	0.0751
oh10-wc	0.8095	0.0381	0.8095	0.7834	0.1820
oh15-wc	0.8478	0.0304	0.8478	0.8270	0.1503
oh5-wc	0.8681	0.0264	0.8681	0.8513	0.1219
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9662	0.0068	0.9662	0.9624	0.0481
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.8500	0.0075	0.8500	0.8462	0.0273
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	0.1516	0.5272
ozone8hr	0.9328	0.0672	0.9328	0.3410	0.5012
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9817	0.0073	0.9817	0.9007	0.1884

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8674	0.1299	0.8581	0.6729	0.5617
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.4997	0.5744
pcmac	0.5166	0.4830	0.5159	-0.0323	0.9884
pd	0.9079	0.0921	0.9079	0.7586	0.4760
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9918	0.0016	0.9918	0.9909	0.0154
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6454	0.6080
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6382	0.5834
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.5960	0.6667
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9714	0.0286	0.9714	0.9402	0.1829
phoneme	0.8278	0.1722	0.8278	0.6242	0.5870
phy	0.6274	0.3726	0.6274	0.2524	0.7488
pima	0.6974	0.3026	0.6974	0.3399	0.8243
plx	0.7222	0.2778	0.7222	0.1509	0.7953
poker	0.6681	0.0664	0.6681	0.3839	0.4985
polish-1st	0.9531	0.0469	0.9531	0.1734	0.5958
polish-2nd	0.9567	0.0433	0.9567	-0.0072	0.4278
polish-3rd	0.9448	0.0552	0.9448	0.0745	0.5622
polish-4th	0.9551	0.0449	0.9551	0.4288	0.4797
polish-5th	0.9459	0.0541	0.9459	0.5150	0.5130
polya	0.6497	0.3503	0.6497	0.0401	0.5974
popularity	0.6298	0.2468	0.6298	0.0037	0.3513
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9083	0.0367	0.9083	0.8853	0.1531
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.8249
primary-tumor	0.3333	0.0606	0.3333	0.2644	0.2515
profb	0.6716	0.3284	0.6716	0.3189	0.8204
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7143	0.2857	0.7143	0.4167	0.8058
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9663	0.0135	0.9663	0.9546	0.0663
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8556	0.1444	0.8556	0.7111	0.5111
re0-wc	0.7600	0.0369	0.7600	0.6952	0.2762
re1-wc	0.5505	0.0361	0.5479	0.4630	0.1800
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9893	0.0000	1.0000	0.9912	0.0000
rnaseq	0.9375	0.0250	0.9375	0.9181	0.0978
rocket	0.5341	0.4659	0.5341	0.1772	0.5966
RT_IOT2022	0.9983	0.0003	0.9983	0.9957	0.0064
satimage	0.8771	0.0410	0.8771	0.8478	0.1835
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.8849	0.1151	0.8849	0.4861	0.6313
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.3235	0.6765	0.3235	-0.3529	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6012	0.4025	0.5972	0.1089	0.5047
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9147	0.0853	0.9147	0.1134	0.6636
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8737	0.1263	0.8737	0.1412	0.4751
sens-2-gram	0.8579	0.1421	0.8579	0.1261	0.6648
sens-3-gram	0.8620	0.1388	0.8717	0.0705	0.5679
sens-4-gram	0.8778	0.1417	0.8462	0.1339	0.6309
sensorless	0.9978	0.0004	0.9978	0.9976	0.0048
sepsis	0.8762	0.1238	0.8762	0.0898	0.7169
shoppers	0.8702	0.1298	0.8702	0.5658	0.6268
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8665	0.2333
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9995	0.0005	0.9995	0.9985	0.0115
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.7770	0.0743	0.7770	0.7145	0.2180
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9261	0.0739	0.9261	0.8440	0.3476
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5472	0.0189	0.5472	0.5225	0.1230
splice-EI	0.9653	0.0347	0.9653	0.9106	0.2608
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.8000	0.2000	0.8000	0.5662	0.6793
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7846	0.2154	0.7846	0.4814	0.6587
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8927	0.0715	0.8927	0.8262	0.2515
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.7333	0.2667	0.7333	0.3459	0.7423
steel-p	0.9282	0.0718	0.9282	0.5491	0.5905
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.5385	0.3077	0.5385	0.2778	0.5827
student-weekend	0.3692	0.2523	0.3692	0.1526	0.6903
student-workday	0.7031	0.1187	0.7031	0.2109	0.3935
susy10%	0.7113	0.2836	0.7132	0.4112	0.5895
swarm_aligned	0.9893	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9945	0.0004	1.0000	1.0000	0.0046
swarm_grouped	1.0000	0.0000	1.0000	0.9887	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9800	0.0036	0.9800	0.9779	0.0303
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	-0.1215	0.8316
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8661	0.1339	0.8661	0.6251	0.5784
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8426	0.1448
toxicity	0.5882	0.4118	0.5882	0.0630	0.9501
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	0.0157	0.8761
trec11-wc	0.9268	0.0163	0.9268	0.9105	0.0698
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9682	0.0122	0.9434	0.9372	0.0456
trec41-wc	0.9322	0.0160	0.9254	0.9137	0.0695
trec45-wc	0.9450	0.0088	0.9684	0.9495	0.0424
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.8250	0.0875	0.8250	0.7667	0.2178
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.8657	0.0299	0.8657	0.8433	0.1252
vehicle	0.7500	0.1250	0.7500	0.6668	0.1980
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6465	0.0643	0.6465	0.6111	0.1545
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.5962	0.0404	0.5962	0.5440	0.2450
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0933
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8170	0.0517	0.8125	0.7798	0.1626
watch-gyr10%	0.9292	0.0231	0.9276	0.9137	0.0924
waveform	0.7500	0.1667	0.7500	0.6252	0.4759
web-phishing	0.8593	0.0938	0.8593	0.7522	0.3965
weight-lift	0.5114	0.1959	0.5059	0.3376	0.2904
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0287
wilt	0.9876	0.0124	0.9876	0.8781	0.3356
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5849	0.1384	0.5849	0.3533	0.4255
winequality-white	0.4192	0.1659	0.4192	0.2232	0.5177
winnipeg	0.9709	0.0064	0.9768	0.9813	0.0478
yale	0.5625	0.0583	0.5625	0.5333	0.1016
yeast	0.5473	0.0905	0.5473	0.4184	0.3554
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9086	0.0183	0.9086	0.8975	0.1281
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 179: Detailed results for JOUSBoostOS(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1703	0.0572	0.1703	0.0802	0.4540
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9806	0.0194	0.9806	0.1552	0.4649
ads	0.9573	0.0427	0.9573	0.8091	0.2813
adult	0.7977	0.2023	0.7977	0.5418	0.6211
AID1284Morered	0.8611	0.1389	0.8611	0.3662	0.6914
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.8350	0.1650	0.8350	-0.0869	0.6264
AID1608red	0.9029	0.0971	0.9029	-0.0489	0.6827
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.7027	0.2973	0.7027	0.3631	0.8173
AID_602330	0.9219	0.0781	0.9219	-0.0405	0.6330
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.8000	0.2000	0.8000	0.4737	0.6644
AID_652128	0.8586	0.0943	0.8586	-0.0267	0.5504
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9938	0.0062	0.9938	0.0962	0.3002
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8308	0.1692	0.8308	0.5545	0.6642
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9541	0.0229	0.9541	0.9103	0.0791
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9527	0.0118	0.9527	0.9209	0.1152
anuran-species	0.9639	0.0072	0.9639	0.9497	0.0608
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.8000	0.0308	0.8000	0.7063	0.2150
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.7391	0.0217	0.7391	0.6954	0.0755
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8000	0.1294
avila	0.8333	0.0278	0.8333	0.7733	0.1007
balance	0.7903	0.1398	0.7903	0.6437	0.2899
bank	0.9121	0.0879	0.9121	0.5794	0.5924
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8041	0.1959	0.8041	0.5269	0.4951
basehock	0.8442	0.1558	0.8442	0.6879	0.3888
bio	0.9960	0.0040	0.9960	0.7296	0.1765
biodeg	0.8952	0.1048	0.8952	0.7831	0.4500
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9860	0.0010	0.9860	0.3220	0.4187
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1000	1.0000
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0635
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8841	0.1159	0.8841	0.7621	0.4822
cardiotocography	0.8310	0.0338	0.8310	0.7970	0.1958
cardiotocography-nsp	0.9061	0.0626	0.9061	0.7487	0.3884
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.6066	0.4925
cas_N6512_cdk_ECFP2	0.5699	0.4301	0.5699	0.0749	0.6319
cdc_diabetes	0.8089	0.1274	0.8089	0.3360	0.3846
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9419	0.0581	0.9419	0.5169	0.5762
cervical-S	0.9302	0.0698	0.9302	0.5865	0.5624
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8304	0.2170
ci100410h_MACCS	0.8125	0.1875	0.8125	0.4514	0.7198
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6716	0.5255
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6463	0.6129
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2857	0.7837
cirrhosis	0.6905	0.2063	0.6905	0.3753	0.4279
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7667	0.1167	0.7667	0.6471	0.4770
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.4353
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5510	0.2993	0.5510	0.3006	0.6618
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0815
codon_usage	0.7621	0.0433	0.7621	0.7059	0.2338
coil20	0.9514	0.0049	0.9514	0.9488	0.0292
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.5862	0.4138	0.5862	0.0543	0.8679
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.6897	0.3103	0.6897	-0.0077	0.8196
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.8710	0.1290	0.8710	0.6884	0.4958
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9813	0.0124	0.9813	0.4852	0.4055
cottonmeloidogyne	0.5529	0.4471	0.5529	0.1129	0.6382
coupon	0.7058	0.2942	0.7058	0.3817	0.7971
covtype	0.7308	0.0769	0.7308	0.5604	0.3031
covtypeCD	0.9821	0.0179	0.9821	0.9230	0.1772
covtypeT	0.9805	0.0195	0.9805	0.8504	0.3090
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8387	0.0538	0.8387	0.6278	0.2726
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3896	0.0986
cyclopentane	0.7037	0.2963	0.7037	0.4098	0.8027
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8270	0.1730	0.8270	0.3945	0.6331
deposit	0.8978	0.1022	0.8978	0.4535	0.6206
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3684	0.5443
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5363	0.3091	0.5363	-0.0023	0.3903
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5539	0.4461	0.5539	0.0772	0.8886
dropout	0.7178	0.1881	0.7178	0.5366	0.5369
drug-01	0.4096	0.1687	0.4096	0.0536	0.5362
drug-02	0.4681	0.1520	0.4681	0.0423	0.6860
drug-03	0.6649	0.0957	0.6649	-0.0247	0.3505
drug-04	0.4840	0.1474	0.4840	0.0839	0.7640
drug-05	0.6915	0.0881	0.6915	-0.0409	0.4959
drug-06	0.3883	0.1748	0.3883	0.2269	0.5860
drug-07	0.3723	0.1793	0.3723	-0.0738	0.5254
drug-08	0.5319	0.1337	0.5319	0.1192	0.6615
drug-09	0.8511	0.0426	0.8511	0.0638	0.3295
drug-10	0.5106	0.1398	0.5106	0.0966	0.5121
drug-11	0.8351	0.0471	0.8351	0.1021	0.5476
drug-12	0.7606	0.0684	0.7606	-0.0383	0.2905
drug-13	0.5745	0.1216	0.5745	0.1947	0.5633
drug-14	0.5691	0.1231	0.5691	0.1516	0.5075
drug-15	0.7074	0.0836	0.7074	0.0249	0.7288
drug-16	0.5638	0.1246	0.5638	0.2773	0.5220
drug-17	0.3830	0.1763	0.3830	0.1496	0.5117
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7394	0.0745	0.7394	-0.0373	0.5616
drybean	0.9229	0.0220	0.9229	0.9067	0.1260
ecoli	0.8235	0.0441	0.8235	0.7560	0.1522
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2986	0.0877	0.2986	0.2045	0.4783
eeg-eye	0.6262	0.3738	0.6262	0.1843	0.5792
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.0845	0.8743
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.4055	0.5803
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6894	0.4884
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8033	0.1967	0.8033	0.5419	0.6919
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	0.2994	0.6280
eucalyptus	0.6849	0.1260	0.6849	0.5954	0.3690
euthyroid	0.9589	0.0411	0.9589	0.7641	0.4069
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8314	0.3848
fbis-wc	0.7602	0.0282	0.7602	0.7241	0.1648
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.4771	0.2364
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.6052	0.0052	0.6052	0.5833	0.2847
forest	0.9423	0.0288	0.9423	0.9210	0.1054
gas	0.9756	0.0081	0.9756	0.9704	0.0566
gastrointestinal	0.8750	0.0833	0.8750	0.8000	0.2418
gender	0.5895	0.2737	0.5895	0.0256	0.4691
gene	0.9117	0.0589	0.9117	0.8581	0.2537
german	0.7000	0.3000	0.7000	0.2405	0.7630
gina	0.8386	0.1614	0.8386	0.6760	0.5511
glass	0.7143	0.0952	0.7143	0.6038	0.2797
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.8571	0.1429	0.8571	0.7131	0.5255
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3558	0.5004
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9012	0.0165	0.9012	0.8832	0.0944
har70	0.8782	0.0348	0.8782	0.8246	0.1423
harth10%	0.8552	0.0241	0.8552	0.8014	0.1594
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4295	0.7316
heart	0.8889	0.1111	0.8889	0.7666	0.4543
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5909	0.5761
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.3571	0.1607	0.3571	0.2317	0.2696
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8820	0.1180	0.8820	0.5580	0.6015
hiva	0.9645	0.0355	0.9645	0.2709	0.4898
horse	0.6389	0.2407	0.6389	0.3178	0.5499
htru2	0.9765	0.0235	0.9765	0.8534	0.2589
ht-sensor	0.6756	0.2163	0.6756	0.5228	0.3566
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8318	0.0129	0.8318	0.8251	0.1342
jm1	0.8118	0.1882	0.8118	0.0767	0.4738
fvowels	0.9277	0.0161	0.9277	0.9180	0.1115
kc1	0.8578	0.1422	0.8578	0.2846	0.6080
kc1-class-level-defectiveornot	0.6667	0.3333	0.6667	0.3243	0.8514
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2708	0.1688
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3082	0.7873
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.8984	0.0113	0.8984	0.8866	0.1357
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.6571	0.1143	0.6571	0.5452	0.3169
la2s-wc	0.7563	0.0813	0.7438	0.7027	0.3227
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6304	0.0661
led24	0.5500	0.0900	0.5500	0.4915	0.2157
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9265	0.0057	0.9265	0.9235	0.0817
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7500	0.0333	0.7500	0.7318	0.1011
linkage10%	0.9999	0.0001	0.9999	0.9834	0.0760
liver	0.6176	0.3824	0.6176	-0.0474	0.9183
localization	0.5530	0.0813	0.5530	0.3900	0.3887
lrs	0.7925	0.0415	0.7925	0.7101	0.1270
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8095	0.0762	0.8095	0.5962	0.2647
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.8000	0.0800	0.8000	0.5604	0.2525
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5115	0.4885	0.5115	0.0231	0.7685
magic04	0.7827	0.2173	0.7827	0.4526	0.5033

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6982	0.4002
messidor	0.6087	0.3913	0.6087	0.2602	0.7673
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9217	0.0489
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0574
mfeat-fou	0.7650	0.0470	0.7650	0.7389	0.2005
mfeat-kar	0.9300	0.0140	0.9300	0.9222	0.0856
mfeat-mor	0.7250	0.0550	0.7250	0.6944	0.1927
mfeat-pix	0.9200	0.0160	0.9200	0.9111	0.1010
mfeat-zer	0.7200	0.0560	0.7200	0.6889	0.2280
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3751	0.4611
mobile	0.8147	0.0066	0.8147	0.8113	0.0830
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9153
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4928	0.5072	0.4928	-0.0281	0.7548
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.7584
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4690	0.7682
MUT_ci300400a	0.6880	0.3120	0.6880	0.3935	0.7648
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8706	0.0324	0.8706	0.4014	0.3315
naticusdroid	0.9465	0.0535	0.9465	0.8929	0.2634
nci9	0.1667	0.1852	0.1667	0.0625	0.2154
ncRNA10%	0.9272	0.0094	0.9040	0.7170	0.2029
newspop	0.5749	0.4251	0.5749	0.1041	0.7406
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9504	0.0496	0.9504	0.8783	0.2978
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0144	0.7647
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0810
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9820	0.0287
oh0-wc	0.8317	0.0337	0.8317	0.8064	0.1460
oh10-wc	0.7429	0.0514	0.7429	0.7044	0.2227
oh15-wc	0.8152	0.0370	0.8152	0.7890	0.1722
oh5-wc	0.7033	0.0593	0.7033	0.6640	0.2646
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9413	0.0117	0.9413	0.9347	0.0801
optdigitsZ	0.9929	0.0071	0.9929	0.9553	0.0921
orl	0.6500	0.0175	0.6500	0.6410	0.0631
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9447	0.0553	0.9447	-0.0261	0.6361
ozone8hr	0.9012	0.0988	0.9012	0.0908	0.6840
p53-mutants10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks	0.9781	0.0088	0.9781	0.8765	0.1862

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.7895	0.2105	0.7895	0.4571	0.7363
particle	0.8684	0.1316	0.8684	0.6597	0.5477
pasture	1.0000	0.0000	1.0000	1.0000	0.0000
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5361	0.4639	0.5361	-0.0739	0.8946
pd	0.8289	0.1711	0.8289	0.4583	0.5776
pediatric-leukemia	0.7353	0.0756	0.7353	0.6758	0.2403
pendigits	0.9845	0.0031	0.9845	0.9828	0.0265
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6347	0.5984
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8254	0.1746	0.8254	0.6522	0.5972
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.8333	0.1667	0.8333	0.6331	0.5857
phy	0.6292	0.3708	0.6292	0.2562	0.7808
pima	0.6711	0.3289	0.6711	0.2647	0.8408
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6616	0.0677	0.6616	0.3650	0.2860
polish-1st	0.9587	0.0413	0.9587	0.1566	0.5032
polish-2nd	0.9577	0.0423	0.9577	0.0360	0.4216
polish-3rd	0.9495	0.0505	0.9495	0.0885	0.4606
polish-4th	0.9561	0.0439	0.9561	0.4605	0.4866
polish-5th	0.9611	0.0389	0.9611	0.6050	0.2085
polya	0.6454	0.3546	0.6454	0.0133	0.5025
popularity	0.6303	0.2465	0.6303	0.0021	0.3526
post-operative	0.4444	0.3704	0.4444	-0.1538	0.4855
postures	0.9058	0.0377	0.9058	0.8821	0.1531
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8439
primary-tumor	0.3939	0.0551	0.3939	0.3320	0.2292
profb	0.5970	0.4030	0.5970	0.0534	0.9434
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9319	0.0272	0.9319	0.9080	0.1124
pufs-6410%	0.4995	0.5005	0.4995	-0.0010	0.9999
raisin	0.8667	0.1333	0.8667	0.7333	0.5209
re0-wc	0.7267	0.0421	0.7267	0.6310	0.3353
re1-wc	0.7952	0.0164	0.7952	0.7651	0.1750
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9499	0.0383
rocket	0.5936	0.4064	0.5936	0.0055	0.5314
RT_IOT2022	0.9980	0.0003	0.9980	0.9949	0.0044
satimage	0.8554	0.0482	0.8554	0.8219	0.2106
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.8896	0.1104	0.8896	0.0271	0.5663
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.4412	0.5588	0.4412	-0.1176	0.9672
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9697	0.0087	0.9697	0.9646	0.0374
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9264	0.0736	0.9264	0.1445	0.5922
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8684	0.1316	0.8684	0.1503	0.5774
sens-3-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-4-gram	0.8752	0.1370	0.8616	0.1302	0.6572
sensorless	0.9562	0.0080	0.9562	0.9519	0.0448
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8889	0.1111	0.8889	0.5922	0.6065
shuttle	0.9995	0.0001	0.9995	0.9985	0.0645
sick	0.9788	0.0212	0.9788	0.8286	0.3339
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9916	0.0084	0.9916	0.9748	0.1123
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7770	0.0743	0.7770	0.7168	0.1832
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9065	0.0935	0.9065	0.8002	0.3849
spect	0.5926	0.4074	0.5926	0.0000	0.8501
spectf	0.9429	0.0571	0.9429	0.8600	0.3290
spectrometer	0.5094	0.0204	0.5094	0.4822	0.1385
splice-EI	0.9685	0.0315	0.9685	0.9164	0.2255
splice-IE	0.9338	0.0662	0.9338	0.8175	0.3911
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8000	0.2000	0.8000	0.2744	0.7315
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8941	0.0706	0.8941	0.8281	0.2420
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7231	0.2769	0.7231	0.2882	0.6790
steel-p	0.9282	0.0718	0.9282	0.4253	0.5579
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9692	0.0308	0.9692	0.8401	0.3898
studentap	0.4615	0.3590	0.4615	0.1574	0.6947
student-weekend	0.4000	0.2400	0.4000	0.1453	0.6318
student-workday	0.6719	0.1313	0.6719	0.1088	0.4381
susy10%	0.7153	0.2847	0.7153	0.4003	0.5798
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9823	0.0004	1.0000	1.0000	0.0046
swarm_grouped	1.0000	0.0000	0.9758	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8056	0.1944	0.8056	0.3505	0.7172
texture	0.9436	0.0102	0.9436	0.9379	0.0738
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8646	0.1354	0.8646	0.6209	0.5826
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.5000	0.0779
tox_171	0.3529	0.3235	0.3529	0.1382	0.4324
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.7059	0.2941	0.7059	0.3307	0.8305
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	0.0686	0.8850
trec11-wc	0.8780	0.0271	0.8780	0.8480	0.0598
trec12-wc	0.8710	0.0323	0.8710	0.8450	0.0993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6989	0.2848
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9462	0.0154	0.9462	0.9283	0.0573
trec41-wc	0.9318	0.0136	0.9318	0.9163	0.0652
trec45-wc	0.8841	0.0232	0.8841	0.8644	0.0764
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7500	0.1250	0.7500	0.6667	0.3301
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.8209	0.0398	0.8209	0.7893	0.1344
vehicle	0.8452	0.0774	0.8452	0.7859	0.1710
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.7907	0.2093	0.7907	0.5816	0.6797
vowel	0.4848	0.0937	0.4848	0.4333	0.2712
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.7500	0.0250	0.7500	0.7179	0.1499
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppiel0p	0.8571	0.0286	0.8571	0.8405	0.0664
watch-acc10%	0.8885	0.0319	0.8885	0.8696	0.0703
watch-gyr10%	0.9084	0.0262	0.9084	0.8930	0.0525
waveform	0.7120	0.1920	0.7120	0.5688	0.5133
web-phishing	0.8667	0.0889	0.8667	0.7642	0.3879
weight-lift	0.7952	0.0819	0.7952	0.7358	0.2372
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0385
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.5912	0.1363	0.5912	0.3397	0.4603
winequality-white	0.5133	0.1391	0.5133	0.1807	0.4982
winnipeg	0.9764	0.0061	0.9580	0.9802	0.0477
yale	0.5000	0.0667	0.5000	0.4644	0.1257
yeast	0.5541	0.0892	0.5541	0.4313	0.4072
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9459	0.0541	0.9459	0.1732	0.5690
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9392	0.0608	0.9392	0.2761	0.6261
zip	0.9161	0.0168	0.9161	0.9060	0.1241
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 180: Detailed results for JOUSBoostOS(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1151	0.0610	0.1151	0.0392	0.5147
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9806	0.0194	0.9806	0.1552	0.4649
ads	0.9543	0.0457	0.9543	0.7935	0.2899
adult	0.8618	0.1382	0.8618	0.5825	0.5740
AID1284Morered	0.8889	0.1111	0.8889	0.4419	0.5820
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8350	0.1650	0.8350	-0.0869	0.6264
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9983	0.0017	0.9983	0.1658	0.5310
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3127	0.8572
AID_602330	0.9219	0.0781	0.9219	-0.0405	0.6330
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.7500	0.2500	0.7500	0.3750	0.7858
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9913	0.0106	0.9887	0.1724	0.5437
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8154	0.1846	0.8154	0.5032	0.6987
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9708	0.0146	0.9708	0.9440	0.0667
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9624	0.0094	0.9624	0.9374	0.0825
anuran-species	0.9653	0.0069	0.9653	0.9515	0.0751
aps-failure	0.9862	0.0138	0.9862	0.3815	0.0930
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.6889	0.0479	0.6889	0.5043	0.2713
auction	0.9902	0.0098	0.9902	0.9559	0.1334
audiology	0.8261	0.0145	0.8261	0.8017	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0543
avila	0.8261	0.0290	0.8261	0.7653	0.1273
balance	0.8065	0.1290	0.8065	0.6679	0.3483
bank	0.9126	0.0874	0.9126	0.5779	0.5912
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8111	0.1889	0.8111	0.5457	0.4875
basehock	0.9483	0.0406	0.9608	0.9243	0.2207
bio	0.9962	0.0038	0.9962	0.7365	0.1427
biodeg	0.8762	0.1238	0.8762	0.7437	0.5019
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.9852	0.0010	0.9852	0.1620	0.5443
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
block10%	1.0000	0.0000	1.0000	0.9976	0.0001
breast-cancer	0.7143	0.2857	0.7143	0.3488	0.8025
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1000	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9105	0.0895	0.9105	0.0348	0.2390
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9885	0.0057	0.9885	0.9750	0.0198
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8545	0.0291	0.8545	0.8250	0.1653
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7660	0.3390
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5604	0.4489
cas_N6512_cdk_ECFP2	0.5699	0.4301	0.5699	0.0744	0.6198
cdc_diabetes	0.8383	0.1078	0.8383	0.2992	0.3792
census10%	0.9479	0.0521	0.9479	0.3896	0.4874
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9419	0.0581	0.9419	0.5169	0.5762
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9997	0.0003	0.9997	0.8531	0.1301
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6716	0.5255
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6463	0.6129
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7368	0.2632	0.7368	0.3842	0.6926
cirrhosis	0.6429	0.2381	0.6429	0.2536	0.4668
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7889	0.1056	0.7889	0.6750	0.4673
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5238	0.3175	0.5238	0.2636	0.7249
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0624
codon_usage	0.7629	0.0431	0.7629	0.7086	0.2815
coil20	0.9514	0.0049	0.9514	0.9488	0.0322
collins	0.8600	0.0187	0.8600	0.8464	0.0808
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1802	1.0000
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.5862	0.4138	0.5862	0.0543	0.8679
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.0333	0.8275
colposcopies-6	0.5862	0.4138	0.5862	0.1512	0.7438
colposcopies-c	0.8621	0.1379	0.8621	0.6568	0.5812
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9837	0.0109	0.9837	0.4761	0.1344
cottonmeloidogyne	0.5457	0.4543	0.5457	0.0987	0.6401
coupon	0.7082	0.2918	0.7082	0.3876	0.7960
covtype	0.7329	0.0763	0.7329	0.5620	0.3195
covtypeCD	0.9821	0.0179	0.9821	0.9232	0.1824
covtypeT	0.9810	0.0190	0.9810	0.8539	0.3006
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8553	0.0482	0.8553	0.6644	0.1988
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3561	0.1265
cyclopentane	0.7037	0.2963	0.7037	0.4098	0.8027
cylinder-bands	0.7407	0.2593	0.7407	0.4316	0.5904
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8267	0.1733	0.8267	0.3914	0.6315
deposit	0.8996	0.1004	0.8996	0.4540	0.6114
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.7667	0.2333	0.7667	0.5333	0.6906
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5476	0.3974
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5393	0.3071	0.5393	0.0071	0.3973
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0149	0.9759
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5541	0.4459	0.5541	0.0778	0.8894
dropout	0.7359	0.1761	0.7359	0.5383	0.4447
drug-01	0.3883	0.1748	0.3883	0.0383	0.6187
drug-02	0.4840	0.1474	0.4840	0.0238	0.6855
drug-03	0.6543	0.0988	0.6543	-0.0048	0.6649
drug-04	0.4840	0.1474	0.4840	0.0461	0.7139
drug-05	0.7181	0.0805	0.7181	0.0082	0.4421
drug-06	0.3936	0.1733	0.3936	0.2298	0.5725
drug-07	0.3830	0.1763	0.3830	-0.0441	0.6023
drug-08	0.5160	0.1383	0.5160	0.1132	0.6887
drug-09	0.8351	0.0471	0.8351	-0.0343	0.4440
drug-10	0.5106	0.1398	0.5106	0.0559	0.7164
drug-11	0.8138	0.0532	0.8138	0.0083	0.6132
drug-12	0.7713	0.0654	0.7713	-0.0264	0.2817
drug-13	0.5904	0.1170	0.5904	0.2287	0.5526
drug-14	0.5745	0.1216	0.5745	0.2248	0.6326
drug-15	0.7234	0.0790	0.7234	0.1253	0.7631
drug-16	0.5691	0.1231	0.5691	0.2821	0.4218
drug-17	0.3723	0.1793	0.3723	0.1456	0.6206
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7394	0.0745	0.7394	-0.0172	0.6328
drybean	0.9265	0.0210	0.9265	0.9110	0.1140
ecoli	0.7647	0.0588	0.7647	0.6743	0.1714
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2512	0.0936	0.2512	0.1460	0.5962
eeg-eye	0.6255	0.3745	0.6255	0.1829	0.5852
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6154	0.3846	0.6154	0.0845	0.8743
er_tox_cdk_ECFP2	0.6833	0.3167	0.6833	0.1204	0.4607
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.4055	0.5803
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8197	0.1803	0.8197	0.5866	0.6556
er_tox_rdkit_TORSION	0.9194	0.0806	0.9194	0.2439	0.6242
eucalyptus	0.7260	0.1096	0.7260	0.6498	0.3353
euthyroid	0.9589	0.0411	0.9589	0.7641	0.4069
exon.vs.intron-freq	0.9160	0.0840	0.9160	0.8315	0.3846
fbis-wc	0.7251	0.0339	0.7167	0.6737	0.2838
fda.atompair_fp	0.6364	0.3636	0.6364	-0.1579	0.9308
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5500	0.1125	0.5500	0.4249	0.2772
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.5414	0.0060	0.5414	0.5203	0.6810
forest	0.8654	0.0673	0.8654	0.8133	0.1624
gas	0.9511	0.0163	0.9511	0.9408	0.0864
gastrointestinal	0.6250	0.2500	0.6250	0.4696	0.4337
gender	0.5832	0.2779	0.5832	-0.0010	0.4578
gene	0.9369	0.0421	0.9369	0.8992	0.2024
german	0.6900	0.3100	0.6900	0.2092	0.7730
gina	0.8213	0.1787	0.8213	0.6415	0.6006
glass	0.6667	0.1111	0.6667	0.5505	0.3123
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8095	0.1905	0.8095	-0.0769	0.4494
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7131	0.5255
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4954
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9588	0.0079	0.9636	0.9588	0.0539
har70	0.9402	0.0232	0.9049	0.9026	0.1194
harth10%	0.4416	0.0948	0.4424	0.3187	0.4226
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7647	0.2353	0.7647	0.5342	0.6845
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7958	0.2042	0.7958	0.5908	0.5761
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.5519	0.4481	0.5519	0.0515	0.5895
higher	0.2143	0.1964	0.2143	0.1047	0.3355
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8870	0.1130	0.8870	0.5679	0.5792
hiva	0.9620	0.0470	0.9505	0.1429	0.6202
horse	0.6389	0.2407	0.6389	0.3768	0.6110
htru2	0.9771	0.0229	0.9771	0.8557	0.2417
ht-sensor	1.0000	0.0001	0.9945	1.0000	0.0010
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7288	0.2712	0.7288	0.1631	0.7196
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7245	0.0206	0.7207	0.7262	0.1962
jm1	0.8118	0.1882	0.8118	0.0716	0.4581
fvowels	0.8765	0.0274	0.8765	0.8597	0.1466
kc1	0.8626	0.1374	0.8626	0.2969	0.5700
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1478	0.2056
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3082	0.7873
kidney-disease	0.9500	0.0500	0.9500	0.8961	0.2500
krkopt	0.9034	0.0107	0.9034	0.8921	0.1340
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7320	0.0863	0.7483	0.6543	0.3724
la2s-wc	0.7453	0.0792	0.7471	0.6874	0.3223
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5294	0.0235	0.5294	0.5095	0.0787
led24	0.6000	0.0800	0.6000	0.5506	0.1704
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9110	0.0068	0.9110	0.9074	0.1022
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7916	0.0885
linkage10%	0.9999	0.0001	0.9999	0.9834	0.0760
liver	0.6471	0.3529	0.6471	0.1092	0.9052
localization	0.5031	0.0903	0.5031	0.3072	0.4749
lrs	0.7170	0.0566	0.7170	0.6236	0.2353
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0294
madelon	0.5192	0.4808	0.5192	0.0385	0.7656
magic04	0.7827	0.2173	0.7827	0.4522	0.4993

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6245	0.6395
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7293	0.3862
messidor	0.6000	0.4000	0.6000	0.2454	0.7706
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9234	0.0743
mfeat-fac	0.9350	0.0130	0.9350	0.9278	0.0770
mfeat-fou	0.7350	0.0530	0.7350	0.7056	0.2398
mfeat-kar	0.8500	0.0300	0.8500	0.8333	0.1706
mfeat-mor	0.7200	0.0560	0.7200	0.6889	0.2021
mfeat-pix	0.9450	0.0110	0.9450	0.9389	0.0661
mfeat-zer	0.7350	0.0530	0.7350	0.7056	0.2280
mice-prot	0.9352	0.0162	0.9352	0.9258	0.0736
mines	0.4706	0.2118	0.4706	0.3362	0.5442
mobile	0.6783	0.0115	0.6783	0.6724	0.1508
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8803	0.1197	0.8803	0.3299	0.2591
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9153
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4928	0.5072	0.4928	-0.0281	0.7548
mutagens_ExtendedFingerprinter	0.6765	0.3235	0.6765	0.3529	0.7584
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4719	0.7701
MUT_ci300400a	0.6842	0.3158	0.6842	0.3851	0.7757
MUT_ci300400a_cdk_ECFP2	0.6007	0.3993	0.6007	0.0517	0.5434
myocardial	0.8706	0.0324	0.8706	0.3989	0.1827
naticusdroid	0.9461	0.0539	0.9461	0.8922	0.2645
nci9	0.3333	0.1481	0.3333	0.2258	0.1321
ncRNA10%	0.8984	0.0097	0.8947	0.7220	0.2083
newspop	0.5744	0.4256	0.5744	0.1032	0.7450
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9515	0.0485	0.9515	0.8806	0.2877
NPHA-doctor-visits	0.4167	0.3889	0.4167	-0.0117	0.7569
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9010	0.0198	0.9010	0.8867	0.0974
oh10-wc	0.7048	0.0590	0.7048	0.6625	0.2614
oh15-wc	0.8043	0.0391	0.8043	0.7775	0.1831
oh5-wc	0.8242	0.0352	0.8242	0.8017	0.1664
opn310k	0.9108	0.0892	0.9108	0.0419	0.2448
opnat310k-hg16-17	0.9097	0.0902	0.9097	0.0251	0.2526
optdigits	0.9342	0.0132	0.9342	0.9268	0.0867
optdigitsZ	0.9929	0.0071	0.9929	0.9553	0.0921
orl	0.6750	0.0163	0.6750	0.6667	0.0583
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9486	0.0514	0.9486	-0.0224	0.6286
ozone8hr	0.9051	0.0949	0.9051	0.0994	0.6712
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9762	0.0095	0.9762	0.8650	0.1905

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.5649	0.6183
particle	0.8676	0.1324	0.8676	0.6555	0.5451
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5464	0.4536	0.5464	-0.0501	0.8773
pd	0.8421	0.1579	0.8421	0.4894	0.4817
pediatric-leukemia	0.8235	0.0504	0.8235	0.7830	0.1421
pendigits	0.9791	0.0042	0.9791	0.9767	0.0354
period	0.5556	0.4444	0.5556	0.1429	0.8628
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6319	0.5928
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8095	0.1905	0.8095	0.6213	0.6209
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9714	0.0286	0.9714	0.9402	0.1829
phoneme	0.8407	0.1593	0.8407	0.6469	0.5775
phy	0.6296	0.3704	0.6296	0.2570	0.7806
pima	0.6842	0.3158	0.6842	0.2985	0.8279
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.6681	0.0664	0.6681	0.3839	0.4985
polish-1st	0.9587	0.0413	0.9587	0.1566	0.5032
polish-2nd	0.9587	0.0413	0.9587	0.0386	0.3754
polish-3rd	0.9486	0.0514	0.9486	0.0566	0.4658
polish-4th	0.9561	0.0439	0.9561	0.4605	0.4866
polish-5th	0.9560	0.0440	0.9560	0.5327	0.2231
polya	0.6454	0.3546	0.6454	0.0133	0.5025
popularity	0.6310	0.2460	0.6310	0.0041	0.3474
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8962	0.0415	0.8962	0.8700	0.1685
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.2727	0.0661	0.2727	0.2016	0.2766
profb	0.6418	0.3582	0.6418	0.1483	0.9092
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
puc-rio	0.9331	0.0268	0.9331	0.9095	0.1020
pufs-6410%	0.5012	0.4988	0.5012	0.0023	0.9987
raisin	0.8889	0.1111	0.8889	0.7778	0.4633
re0-wc	0.7386	0.0410	0.7251	0.6503	0.2635
re1-wc	0.6645	0.0266	0.6776	0.6127	0.2614
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9375	0.0250	0.9375	0.9181	0.0978
rocket	0.5922	0.4078	0.5922	0.0026	0.5531
RT_IOT2022	0.9983	0.0003	0.9983	0.9957	0.0064
satimage	0.8756	0.0415	0.8756	0.8455	0.1790
satimageF	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT	0.8880	0.1120	0.8880	0.0241	0.5865
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.4444	0.5556	0.4444	-0.0465	0.7758
schizo	0.5000	0.5000	0.5000	0.0000	0.9074
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6090	0.3910	0.6090	0.2716	0.5253
segment	0.9610	0.0111	0.9610	0.9544	0.0543
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9225	0.0775	0.9225	0.1334	0.6250
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8711	0.1289	0.8711	0.1567	0.5469
sens-3-gram	0.8455	0.1524	0.8403	0.1434	0.7298
sens-4-gram	0.8778	0.1417	0.8462	0.1339	0.6309
sensorless	0.9619	0.0069	0.9619	0.9581	0.0457
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8832	0.1168	0.8832	0.5028	0.6062
shuttle	0.9997	0.0001	0.9997	0.9990	0.0326
sick	0.9788	0.0212	0.9788	0.8286	0.3339
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9917	0.0083	0.9917	0.9751	0.1115
smk_can_187	0.6842	0.3158	0.6842	0.3804	0.7358
solar-flare	0.7626	0.0791	0.7626	0.6967	0.2289
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9109	0.0891	0.9109	0.8102	0.3808
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.3019	0.0291	0.3019	0.2606	0.1950
splice-EI	0.9653	0.0347	0.9653	0.9077	0.2366
splice-IE	0.9338	0.0662	0.9338	0.8175	0.3911
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8256	0.1744	0.8256	0.3872	0.6772
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8984	0.0677	0.8984	0.8353	0.2385
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.7231	0.2769	0.7231	0.2882	0.6790
steel-p	0.9282	0.0718	0.9282	0.4253	0.5579
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9744	0.0256	0.9744	0.8638	0.3518
studentap	0.5385	0.3077	0.5385	0.2909	0.4977
student-weekend	0.3231	0.2708	0.3231	0.0744	0.7314
student-workday	0.7188	0.1125	0.7188	0.2190	0.3200
susy10%	0.6646	0.3299	0.6703	0.3040	0.5625
swarm_aligned	0.9893	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9945	0.0004	1.0000	1.0000	0.0046
swarm_grouped	1.0000	0.0000	1.0000	0.9887	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6418
Tdp_desc	0.8333	0.1667	0.8333	0.4130	0.5975
texture	0.9527	0.0086	0.9527	0.9479	0.0643
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.8947	0.1053	0.8947	0.7295	0.4423
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8305	0.1806	0.8184	0.5467	0.6834
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	0.0686	0.8850
trec11-wc	0.9024	0.0217	0.9024	0.8802	0.0960
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9091	0.0303	0.9091	0.8047	0.1465
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9462	0.0154	0.9462	0.9284	0.0762
trec41-wc	0.9773	0.0045	0.9773	0.9724	0.0373
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7750	0.1125	0.7750	0.7000	0.2705
tvnews	0.8146	0.1854	0.8146	0.5897	0.6444
urban	0.7910	0.0464	0.7910	0.7569	0.2146
vehicle	0.7976	0.1012	0.7976	0.7265	0.2376
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.5833	0.4167	0.5833	0.1176	0.9159
vote	0.7907	0.2093	0.7907	0.5816	0.6797
vowel	0.5657	0.0790	0.5657	0.5222	0.2688
vowelZ	0.9798	0.0202	0.9798	0.8642	0.0715
vrnormat310k-hg16-17	0.9088	0.0912	0.9088	0.0045	0.2545
wap-wc	0.5962	0.0404	0.5962	0.5440	0.2450
warpar10p	0.6923	0.0615	0.6923	0.6556	0.0925
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9162	0.0239	0.9162	0.9020	0.0823
watch-gyr10%	0.9299	0.0200	0.9299	0.9181	0.0664
waveform	0.7400	0.1733	0.7400	0.6104	0.4789
web-phishing	0.8741	0.0840	0.8741	0.7783	0.3629
weight-lift	0.6163	0.1535	0.6163	0.5169	0.3636
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9855	0.0145	0.9855	0.8495	0.3221
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.4071	0.4816
winequality-white	0.5256	0.1356	0.5256	0.2358	0.5540
winnipeg	0.9709	0.0064	0.9768	0.9813	0.0478
yale	0.4375	0.0750	0.4375	0.4000	0.1391
yeast	0.5405	0.0919	0.5405	0.4181	0.4369
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9527	0.0473	0.9527	0.1981	0.5887
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8688	0.0262	0.8688	0.8530	0.1758
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 181: Detailed results for iBRF(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1223	0.0605	0.1223	0.0545	0.5377
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9822	0.0178	0.9822	0.0922	0.2678
ads	0.9665	0.0335	0.9665	0.8515	0.2217
adult	0.8071	0.1929	0.8071	0.5566	0.6200
AID1284Morered	0.7500	0.2500	0.7500	0.2636	0.6827
AID1284red	0.7222	0.2778	0.7222	0.0055	0.7605
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7524	0.2476	0.7524	-0.0508	0.8465
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5405	0.4595	0.5405	0.1778	0.6980
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9802	0.0031	1.0000	0.2134	0.0147
AID604AID644_AllRed	0.9902	0.0010	0.9930	0.0000	0.0056
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.5000	0.5000	0.5000	-0.0870	0.9393
AID_652128	0.8586	0.0943	0.8586	-0.0312	0.3708
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.4444	0.5556	0.4444	-0.3636	0.8576
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	1.0000	0.0010	0.9816	0.0000	0.0055
AID746red	0.9885	0.0059	0.9865	0.1014	0.1571
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8462	0.1538	0.8462	0.5860	0.6412
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9666	0.0167	0.9666	0.9364	0.0934
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9624	0.0094	0.9624	0.9376	0.1148
anuran-species	0.9694	0.0061	0.9694	0.9575	0.0569
aps-failure	0.9718	0.0124	0.9860	0.4665	0.0867
arcene	0.7000	0.3000	0.7000	0.4231	0.7161
arrhythmia	0.8222	0.0273	0.8222	0.7258	0.1827
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.6974	0.0809
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7360	0.1812
avila	0.8059	0.0323	0.8059	0.7347	0.1391
balance	0.8226	0.1183	0.8226	0.6958	0.3858
bank	0.9070	0.0930	0.9070	0.5852	0.5984
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8226	0.1774	0.8226	0.5779	0.4879
basehock	0.9120	0.0793	0.9158	0.8452	0.3147
bio	1.0000	0.0038	1.0000	0.7280	0.1432
biodeg	0.9048	0.0952	0.9048	0.8019	0.4271
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	1.0000	0.0009	0.9901	0.2463	0.2483
block10%	1.0000	0.0001	0.9963	1.0000	0.0004
block10%	1.0000	0.0001	0.9963	1.0000	0.0004
breast-cancer	0.6429	0.3571	0.6429	0.2857	0.7711
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.7273	0.2727	0.7273	0.4762	0.4882
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9122	0.0891	0.8974	0.0314	0.2362
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6578	0.5785
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9425	0.0287	0.9425	0.8822	0.2314
card	0.8696	0.1304	0.8696	0.7385	0.4916
cardiotocography	0.8826	0.0235	0.8826	0.8598	0.1621
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7845	0.3879
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5643	0.4927
cas_N6512_cdk_ECFP2	0.5525	0.4488	0.5638	0.0437	0.5920
cdc_diabetes	0.8315	0.0996	0.8580	0.1470	0.2941
census10%	0.9596	0.0498	0.9346	0.3735	0.4086
central-nervous-system	0.8333	0.1667	0.8333	0.6667	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9070	0.0930	0.9070	0.8106	0.3522
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9861	0.0002	0.9895	0.8543	0.1038
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6233	0.6246
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7304	0.5155
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.6071	0.6470
ci900367j_MACCS	0.6316	0.3684	0.6316	0.3106	0.7503
cirrhosis	0.7857	0.1429	0.7857	0.5996	0.4362
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8037	0.0981	0.8037	0.7055	0.3855
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cil_sub_111	0.5000	0.3333	0.5000	0.1429	0.4353
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5510	0.2993	0.5510	0.3321	0.6626
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0725
codon_usage	0.8104	0.0345	0.8104	0.7663	0.1877
coil20	0.9931	0.0007	0.9931	0.9927	0.0048
collins	0.9800	0.0027	0.9800	0.9780	0.0067
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.3318	0.7732
colposcopies-2	0.5517	0.4483	0.5517	0.0645	0.9585
colposcopies-3	0.6897	0.3103	0.6897	0.3972	0.7610
colposcopies-4	0.6897	0.3103	0.6897	0.3040	0.8098

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.7931	0.2069	0.7931	0.5857	0.6774
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8387	0.1075	0.8387	0.7430	0.2410
connect-4	0.9905	0.0108	0.9865	0.4400	0.0334
cottonmeloidogyne	0.6394	0.3606	0.6394	0.2830	0.6822
coupon	0.6238	0.3762	0.6238	0.2764	0.8202
covtype	0.9577	0.0111	0.9549	0.9414	0.1112
covtypeCD	0.9811	0.0189	0.9811	0.9185	0.1809
covtypeT	0.9800	0.0200	0.9800	0.8453	0.3083
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.8885	0.0372	0.8885	0.7589	0.2369
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2500	0.0375	0.2500	0.2289	0.1293
cyclopentane	0.7037	0.2963	0.7037	0.4286	0.6809
cylinder-bands	0.7593	0.2407	0.7593	0.4993	0.7330
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8163	0.1837	0.8163	0.4253	0.7115
deposit	0.8876	0.1124	0.8876	0.5108	0.6378
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.2500	0.5000	0.2500	-0.0909	0.6421
dexter	0.8418	0.1471	0.8390	0.7035	0.5213
dhfr_cdk_ECFP2	0.6579	0.3421	0.6579	0.3517	0.7426
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5378	0.3029	0.5498	0.0040	0.3531
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	0.0769	0.8627
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5499	0.4367	0.5668	0.0823	0.8693
dropout	0.7269	0.1821	0.7269	0.5591	0.5089
drug-01	0.3511	0.1854	0.3511	0.0557	0.6278
drug-02	0.5106	0.1398	0.5106	0.1869	0.6212
drug-03	0.6755	0.0927	0.6755	-0.0027	0.3291
drug-04	0.4574	0.1550	0.4574	0.1274	0.7346
drug-05	0.7287	0.0775	0.7287	0.0165	0.2941
drug-06	0.2979	0.2006	0.2979	0.1581	0.6405
drug-07	0.3617	0.1824	0.3617	0.0143	0.3748
drug-08	0.5000	0.1429	0.5000	0.1603	0.4937
drug-09	0.8617	0.0395	0.8617	-0.0076	0.1838
drug-10	0.5106	0.1398	0.5106	0.1574	0.5619
drug-11	0.8457	0.0441	0.8457	0.0474	0.2430
drug-12	0.7819	0.0623	0.7819	-0.0137	0.2547
drug-13	0.5851	0.1185	0.5851	0.2080	0.4288
drug-14	0.5904	0.1170	0.5904	0.3134	0.5802
drug-15	0.7500	0.0714	0.7500	0.0330	0.3388
drug-16	0.5798	0.1201	0.5798	0.3251	0.5320
drug-17	0.3085	0.1976	0.3085	0.1254	0.6873
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7447	0.0729	0.7447	-0.0175	0.4354
drybean	0.9192	0.0231	0.9192	0.9023	0.1334
ecoli	0.8529	0.0368	0.8529	0.7969	0.1316
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3195	0.0851	0.3195	0.2505	0.5617
eeg-eye	0.4987	0.5013	0.4987	0.0809	0.5501
EPA_FHM	0.9344	0.0656	0.9344	0.4649	0.6023
er_lit_cdk_ECFP2	0.5385	0.4615	0.5385	0.1875	0.6870
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.6014	0.6526
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.4672	0.5906
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9839	0.0161	0.9839	0.9379	0.0639
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9263	0.2161
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.7126	0.5099
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6438	0.1425	0.6438	0.5548	0.4184
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
exon.vs.intron-freq	0.9908	0.0210	0.9675	0.9744	0.1380
fbis-wc	0.7805	0.0258	0.7805	0.7498	0.1861
fda.atompair_fp	0.4545	0.5455	0.4545	-0.2453	0.9308
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.5000	0.1250	0.5000	0.3939	0.2851
fontaine_MACCS	0.8636	0.1364	0.8636	0.7273	0.4205
fonts10%	0.4873	0.0067	0.5005	0.4380	0.2796
forest	0.8846	0.0577	0.8846	0.8402	0.1172
gas	0.9748	0.0084	0.9748	0.9695	0.0571
gastrointestinal	0.6875	0.2083	0.6875	0.5210	0.4107
gender	0.3663	0.4225	0.3663	0.0420	0.5445
gene	0.9306	0.0463	0.9306	0.8897	0.1959
german	0.6600	0.3400	0.6600	0.3159	0.8212
gina	0.6282	0.3718	0.6282	0.2665	0.6112
glass	0.7619	0.0794	0.7619	0.6749	0.2402
glassBWFP	0.8571	0.1429	0.8571	0.7175	0.4205
glassBWNFP	0.7143	0.2857	0.7143	0.4375	0.7044
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7500	0.4011
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.2667	0.3667	0.2667	0.0407	0.5280
haberman	0.6667	0.3333	0.6667	0.1477	0.8809
hapt	0.9131	0.0145	0.9131	0.8973	0.0962
har70	0.9241	0.0223	0.9130	0.8889	0.1179
harth10%	0.8707	0.0222	0.8573	0.8310	0.1535
hayes-roth	0.5625	0.2917	0.5625	0.3129	0.4109
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7407	0.2593	0.7407	0.4706	0.7649
heart-c	0.8667	0.1333	0.8667	0.7345	0.4958
hepatitis	0.7333	0.2667	0.7333	0.4444	0.5288

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8191	0.1912	0.7978	0.6040	0.6129
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.5499	0.4379	0.5476	0.0539	0.5878
higher	0.2857	0.1786	0.2857	0.1860	0.2956
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.8870	0.1130	0.8870	0.5922	0.5938
hiva	0.9629	0.0418	0.9530	0.0836	0.5541
horse	0.6389	0.2407	0.6389	0.3752	0.5919
htru2	0.9777	0.0223	0.9777	0.8650	0.2860
ht-sensor	0.7557	0.1599	0.7454	0.6469	0.3827
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5932	0.4068	0.5932	0.2036	0.8012
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8858	0.0088	0.8858	0.8812	0.0951
jm1	0.7989	0.2011	0.7989	0.2496	0.7620
fvowels	0.9388	0.0136	0.9388	0.9306	0.1043
kc1	0.8389	0.1611	0.8389	0.3034	0.7200
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.5000	0.5000
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2553	0.1818
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.4234	0.7321
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7547	0.0273	0.7547	0.7278	0.2821
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7656	0.0914	0.7194	0.6854	0.3737
la2s-wc	0.7602	0.0778	0.7620	0.6877	0.3241
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6288	0.0842
led24	0.7000	0.0600	0.7000	0.6629	0.1325
lenses	0.3333	0.4444	0.3333	0.0000	0.3451
letter	0.9270	0.0056	0.9270	0.9240	0.0836
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7916	0.0776
linkage10%	1.0000	0.0000	0.9989	0.9916	0.0001
liver	0.3824	0.6176	0.3824	0.0580	0.5050
localization	0.4813	0.0942	0.4745	0.3070	0.3568
lrs	0.7736	0.0453	0.7736	0.6873	0.1726
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9139	0.1179
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8895	0.0419
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6923	0.0610
lupus	0.5556	0.4444	0.5556	0.1429	0.8961
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5077	0.4923	0.5077	0.0154	0.9103
magic04	0.7991	0.2009	0.7991	0.5663	0.6836

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5871	0.6389
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7030	0.1980	0.7030	0.5564	0.5083
messidor	0.6261	0.3739	0.6261	0.2961	0.7099
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0441
mfeat-fou	0.8000	0.0400	0.8000	0.7778	0.1592
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0569
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.2064
mfeat-pix	0.9350	0.0130	0.9350	0.9278	0.0796
mfeat-zer	0.7450	0.0510	0.7450	0.7167	0.1902
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4481	0.4170
mobile	0.8881	0.0040	0.8881	0.8861	0.0516
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9180	0.0820	0.9180	0.8282	0.3439
monks-3	0.9643	0.0357	0.9643	0.9285	0.2076
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8879	0.1121	0.8879	0.3970	0.3007
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9844
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.6022
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3504	0.8342
MUT_ci300400a	0.7105	0.2895	0.7105	0.4381	0.7237
MUT_ci300400a_cdk_ECFP2	0.6027	0.4069	0.5897	0.0358	0.5477
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9485	0.0515	0.9485	0.8970	0.2579
nci9	0.3333	0.1481	0.3333	0.2500	0.1488
ncRNA10%	0.8890	0.0094	0.9115	0.7105	0.2104
newspop	0.5502	0.4498	0.5502	0.1362	0.7880
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9324	0.0676	0.9324	0.8407	0.3754
NPHA-doctor-visits	0.3333	0.4444	0.3333	0.0311	0.7803
nursery	0.9738	0.0105	0.9738	0.9616	0.0554
obs	0.9722	0.0139	0.9722	0.9591	0.0599
occupancy	0.9922	0.0078	0.9922	0.9783	0.0956
Occupancy_Estimation	0.9911	0.0044	0.9911	0.9730	0.0335
oh0-wc	0.8614	0.0277	0.8614	0.8403	0.1157
oh10-wc	0.7429	0.0514	0.7429	0.7120	0.2321
oh15-wc	0.8587	0.0283	0.8587	0.8394	0.1437
oh5-wc	0.7582	0.0484	0.7582	0.7258	0.1891
opn310k	0.9122	0.0743	0.8904	0.4581	0.5425
opnat310k-hg16-17	0.9263	0.0909	0.9424	0.0386	0.2473
optdigits	0.9537	0.0093	0.9537	0.9486	0.0676
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.9000	0.0050	0.9000	0.8974	0.0183
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9130	0.0870	0.9130	0.1744	0.6403
p53-mutants10%	1.0000	0.0062	0.9977	-0.0032	0.5183
page-blocks	0.9835	0.0066	0.9835	0.9082	0.1566

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8779	0.1316	0.8789	0.6612	0.5637
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	0.2387	0.6639
pcmac	0.5825	0.4175	0.5825	0.0121	0.6724
pd	0.8684	0.1316	0.8684	0.6078	0.5105
pediatric-leukemia	0.7647	0.0672	0.7647	0.7082	0.1797
pendigits	0.9827	0.0035	0.9827	0.9808	0.0301
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.7990	0.2010	0.7990	0.5726	0.6706
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9348
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7171	0.4675
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.6000	0.4000	0.6000	0.2308	0.8533
phishing	0.9633	0.0367	0.9633	0.9236	0.2202
phoneme	0.8148	0.1852	0.8148	0.6022	0.5938
phy	0.6500	0.3500	0.6500	0.3019	0.7556
pima	0.7763	0.2237	0.7763	0.5451	0.6998
plx	0.6667	0.3333	0.6667	0.1692	0.8806
poker	0.7761	0.0440	0.7636	0.5781	0.1740
polish-1st	0.9602	0.0398	0.9602	0.1144	0.4253
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9561	0.0439	0.9561	0.4352	0.4617
polish-5th	0.9425	0.0575	0.9425	0.5102	0.5492
polya	0.4281	0.5719	0.4281	0.0772	0.5644
popularity	0.4479	0.3681	0.4479	0.1200	0.4289
post-operative	0.6667	0.2222	0.6667	0.3077	0.4154
postures	0.8827	0.0469	0.8827	0.8534	0.1777
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8074
primary-tumor	0.4545	0.0496	0.4545	0.3945	0.2037
profb	0.4328	0.5672	0.4328	0.0626	0.7362
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7200	0.4011
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9408	0.0237	0.9408	0.9201	0.1031
pufs-6410%	0.4931	0.5141	0.4875	-0.0138	0.9874
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.7467	0.0390	0.7467	0.6575	0.2751
re1-wc	0.8434	0.0125	0.8434	0.8200	0.1100
rejafada	0.9891	0.0000	1.0000	0.9814	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9852	0.0101	0.9781	0.9767	0.0502
rocket	0.5370	0.4630	0.5370	0.1831	0.5747
RT_IOT2022	0.9790	0.0010	0.9895	0.9942	0.0078
satimage	0.8771	0.0410	0.8771	0.8488	0.1937
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.8974	0.1026	0.8974	0.5657	0.5911
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4706	0.5294	0.4706	-0.0588	0.9811
secom	0.9295	0.0705	0.9295	0.1280	0.5676
secondary_mushroom	0.6132	0.3898	0.6150	0.2751	0.5194
segment	0.9654	0.0099	0.9654	0.9595	0.0422
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9380	0.0620	0.9380	0.1839	0.3687
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8632	0.1368	0.8632	0.0936	0.5903
sens-2-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sens-3-gram	0.8899	0.1285	0.8697	0.0678	0.2640
sens-4-gram	0.8585	0.1384	0.8488	0.1293	0.6554
sensorless	0.9624	0.0068	0.9624	0.9586	0.0430
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8694	0.1306	0.8694	0.5655	0.6264
shuttle	0.9997	0.0001	0.9997	0.9990	0.1154
sick	0.9761	0.0239	0.9761	0.7784	0.1990
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9984	0.0016	0.9984	0.9950	0.0313
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7266	0.0911	0.7266	0.6557	0.2521
sonar	0.5000	0.5000	0.5000	0.0000	1.0000
soybean	0.9559	0.0046	0.9559	0.9518	0.0218
spambase	0.9196	0.0804	0.9196	0.8307	0.3749
spect	0.7037	0.2963	0.7037	0.2340	0.8108
spectf	0.9143	0.0857	0.9143	0.7961	0.4377
spectrometer	0.4717	0.0220	0.4717	0.4448	0.1558
splice-EI	0.9621	0.0379	0.9621	0.9029	0.2760
splice-IE	0.9432	0.0568	0.9432	0.8523	0.3611
sport-articles	0.7800	0.2200	0.7800	0.5577	0.6602
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8513	0.1487	0.8513	0.4486	0.5403
steel-d	0.9795	0.0205	0.9795	0.5899	0.3873
steel_industry	0.8993	0.0672	0.8993	0.8368	0.2391
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.5897	0.4103	0.5897	0.2790	0.6292
steel-p	0.9179	0.0821	0.9179	0.3853	0.6193
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.4615	0.3590	0.4615	0.2018	0.5775
student-weekend	0.2923	0.2831	0.2923	0.1167	0.7208
student-workday	0.7031	0.1187	0.7031	0.1756	0.3616
susy10%	0.7507	0.2467	0.7624	0.5067	0.7292
swarm_aligned	0.9949	0.0000	0.9860	1.0000	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0046
swarm_grouped	0.9850	0.0000	0.9701	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5673
Tdp_desc	0.8056	0.1944	0.8056	0.5039	0.6853
texture	0.9509	0.0089	0.9509	0.9459	0.0651
theorem	0.9984	0.0016	0.9984	0.9966	0.0133
thoracic	0.7872	0.2128	0.7872	0.0486	0.8044
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8851	0.1269	0.8717	0.6343	0.5539
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.7059	0.1471	0.7059	0.6101	0.2469
toxicity	0.6471	0.3529	0.6471	0.2817	0.8486
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	0.0157	0.8761
trec11-wc	0.8537	0.0325	0.8537	0.8191	0.1307
trec12-wc	0.8710	0.0323	0.8710	0.8462	0.1279

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4640	0.2582
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9418	0.0154	0.9608	0.9445	0.0668
trec41-wc	0.9541	0.0092	0.9612	0.9326	0.0491
trec45-wc	0.9565	0.0087	0.9565	0.9493	0.0314
tuandromd	0.9843	0.0157	0.9843	0.9519	0.1658
turkish	0.8000	0.1000	0.8000	0.7333	0.2708
tvnews	0.9443	0.0537	0.9158	0.8901	0.2705
urban	0.8209	0.0398	0.8209	0.7902	0.1386
vehicle	0.7857	0.1071	0.7857	0.7087	0.2276
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5253	0.0863	0.5253	0.4778	0.2774
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.9087	0.0893	0.9091	0.0011	0.2395
wap-wc	0.3386	0.0668	0.3275	0.1712	0.2841
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0725
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.8069	0.0509	0.8265	0.7771	0.1586
watch-gyr10%	0.8518	0.0384	0.8588	0.8543	0.1471
waveform	0.7400	0.1733	0.7400	0.6100	0.4397
web-phishing	0.8593	0.0938	0.8593	0.7547	0.4072
weight-lift	0.5062	0.2003	0.4946	0.3312	0.3004
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9834	0.0166	0.9834	0.8174	0.2978
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5031	0.1656	0.5031	0.2180	0.4517
winequality-white	0.4581	0.1548	0.4581	0.2489	0.5631
winnipeg	0.9578	0.0063	0.9737	0.9853	0.0487
yale	0.8125	0.0250	0.8125	0.7992	0.0472
yeast	0.5608	0.0878	0.5608	0.4249	0.3791
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9161	0.0168	0.9161	0.9060	0.1246
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 182: Detailed results for iBRF(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0935	0.0625	0.0935	0.0393	0.6299
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9819	0.0181	0.9819	-0.0006	0.1621
ads	0.9634	0.0366	0.9634	0.8364	0.2304
adult	0.8065	0.1935	0.8065	0.5560	0.6192
AID1284Morered	0.7500	0.2500	0.7500	0.2636	0.6827
AID1284red	0.7222	0.2778	0.7222	0.0055	0.7605
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7524	0.2476	0.7524	-0.0508	0.8465
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	1.0000	0.0003	0.9963	-0.0002	0.5108
AID373red	1.0000	0.0010	0.9960	0.2493	0.3764
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5405	0.4595	0.5405	0.1778	0.6980
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9819	0.0031	0.9787	0.2059	0.0145
AID604AID644_AllRed	1.0000	0.0010	0.9888	0.0000	0.0055
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.5000	0.5000	0.5000	-0.0870	0.9393
AID_652128	0.8485	0.1010	0.8485	-0.0443	0.3971
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.3333	0.6667	0.3333	-0.4211	0.8208
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9869	0.0010	0.9862	0.0000	0.0055
AID746red	0.9850	0.0060	0.9950	0.1007	0.1618
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.8462	0.1538	0.8462	0.5860	0.6412
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9708	0.0146	0.9708	0.9442	0.0694
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9694	0.0076	0.9694	0.9492	0.0651
anuran-species	0.9736	0.0053	0.9736	0.9631	0.0380
aps-failure	0.9890	0.0129	0.9835	0.4640	0.0894
arcene	0.7000	0.3000	0.7000	0.4231	0.7161
arrhythmia	0.8222	0.0273	0.8222	0.7303	0.1873
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.7978	0.0289
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7351	0.1687
avila	0.7619	0.0397	0.7619	0.6732	0.1702
balance	0.8548	0.0968	0.8548	0.7333	0.3434
bank	0.9036	0.0964	0.9036	0.5765	0.6036
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8249	0.1751	0.8249	0.5802	0.4402
basehock	0.9354	0.0820	0.9337	0.8327	0.3152
bio	1.0000	0.0039	0.9894	0.7351	0.1424
biodeg	0.8857	0.1143	0.8857	0.7623	0.4811
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9881	0.0009	0.9732	0.2491	0.2492
block10%	1.0000	0.0001	0.9996	1.0000	0.0004
block10%	1.0000	0.0001	0.9996	1.0000	0.0004
breast-cancer	0.5714	0.4286	0.5714	0.1923	0.7763
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9113	0.0892	0.9193	0.0318	0.2360
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6578	0.5785
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.2500	0.8686
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9425	0.0287	0.9425	0.8817	0.2146
card	0.8986	0.1014	0.8986	0.7947	0.4326
cardiotocography	0.8545	0.0291	0.8545	0.8243	0.1498
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7810	0.3808
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5279	0.5089
cas_N6512_cdk_ECFP2	0.5479	0.4440	0.5506	0.0443	0.5910
cdc_diabetes	0.8367	0.1024	0.8347	0.1430	0.2840
census10%	0.9667	0.0510	0.9553	0.3625	0.4158
central-nervous-system	0.5000	0.5000	0.5000	0.1818	0.5239
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9845	0.0002	1.0000	0.8689	0.1008
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6309	0.5951
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7304	0.5155
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.6421	0.3579	0.6421	0.3335	0.7195
cirrhosis	0.7857	0.1429	0.7857	0.5800	0.3660
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8130	0.0935	0.8130	0.7018	0.3056
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.8600	0.1400	0.8600	-0.0606	0.7431
cmc	0.5306	0.3129	0.5306	0.2634	0.6908
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0554
codon_usage	0.7544	0.0447	0.7544	0.6981	0.2849
coil20	0.9514	0.0049	0.9514	0.9488	0.0284
collins	0.8200	0.0240	0.8200	0.8022	0.0928
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.6552	0.3448	0.6552	0.3029	0.8275
colposcopies-2	0.5862	0.4138	0.5862	0.1212	0.9420
colposcopies-3	0.6552	0.3448	0.6552	0.3379	0.7805
colposcopies-4	0.7241	0.2759	0.7241	0.4021	0.7447

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.4257	0.6185
colposcopies-6	0.6897	0.3103	0.6897	0.3830	0.8108
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.9355	0.0645	0.9355	0.8597	0.3145
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9785	0.0106	0.9791	0.4487	0.0329
cottonmeloidogyne	0.6442	0.3558	0.6442	0.2923	0.7157
coupon	0.6364	0.3636	0.6364	0.3010	0.8017
covtype	0.9510	0.0112	0.9526	0.9669	0.1121
covtypeCD	0.9856	0.0144	0.9856	0.9381	0.1474
covtypeT	0.9800	0.0200	0.9800	0.8469	0.3171
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8931	0.0356	0.8931	0.7714	0.2288
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3239	0.1170
cyclopentane	0.7037	0.2963	0.7037	0.4194	0.7609
cylinder-bands	0.7407	0.2593	0.7407	0.4577	0.7575
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.6154	0.3846	0.6154	-0.1404	0.4667
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8163	0.1837	0.8163	0.4246	0.7114
deposit	0.8885	0.1115	0.8885	0.5161	0.6355
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4545	0.3797
dexter	0.8555	0.1491	0.8445	0.7038	0.5138
dhfr_cdk_ECFP2	0.6184	0.3816	0.6184	0.2731	0.8122
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5479	0.3049	0.5362	0.0040	0.3507
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	0.0769	0.8627
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5653	0.4394	0.5463	0.0829	0.8704
dropout	0.7540	0.1640	0.7540	0.5708	0.3885
drug-01	0.3989	0.1717	0.3989	0.0159	0.3836
drug-02	0.4787	0.1489	0.4787	0.1475	0.6783
drug-03	0.6170	0.1094	0.6170	0.0041	0.6375
drug-04	0.4362	0.1611	0.4362	0.1026	0.7665
drug-05	0.7234	0.0790	0.7234	0.0216	0.3269
drug-06	0.4149	0.1672	0.4149	0.2436	0.4701
drug-07	0.3777	0.1778	0.3777	-0.0160	0.3969
drug-08	0.4894	0.1459	0.4894	0.1911	0.6565
drug-09	0.8457	0.0441	0.8457	-0.0279	0.2419
drug-10	0.5000	0.1429	0.5000	0.1754	0.4823
drug-11	0.8457	0.0441	0.8457	-0.0055	0.2611
drug-12	0.7819	0.0623	0.7819	-0.0138	0.2921
drug-13	0.5957	0.1155	0.5957	0.3183	0.3487
drug-14	0.5798	0.1201	0.5798	0.3343	0.5682
drug-15	0.7074	0.0836	0.7074	0.1557	0.7094
drug-16	0.5798	0.1201	0.5798	0.3260	0.3911
drug-17	0.3830	0.1763	0.3830	0.1302	0.4559
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6809	0.0912	0.6809	0.1134	0.6277
drybean	0.9265	0.0210	0.9265	0.9111	0.1193
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1709	0.1020	0.1699	0.0322	0.4019
eeg-eye	0.4987	0.5013	0.4987	0.0809	0.5501
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.5385	0.4615	0.5385	0.1875	0.6870
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5604	0.6857
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.7336	0.5000
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9032	0.2185
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8808	0.2805
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9194	0.0806	0.9194	0.2439	0.6242
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9626	0.1355
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6814	0.5312
er_tox_rdkit_TORSION	0.9839	0.0161	0.9839	0.7919	0.0579
eucalyptus	0.7123	0.1151	0.7123	0.6257	0.3016
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
exon.vs.intron-freq	1.0000	0.0215	0.9764	0.9625	0.1405
fbis-wc	0.7967	0.0239	0.7967	0.7685	0.1476
fda.atompair_fp	0.5000	0.5000	0.5000	-0.1980	0.9394
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6104	0.1911
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4841	0.0066	0.4856	0.4456	0.2853
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9238	0.0254	0.9238	0.9076	0.0818
gastrointestinal	0.6250	0.2500	0.6250	0.4419	0.4327
gender	0.3453	0.4365	0.3453	0.0088	0.3474
gene	0.9432	0.0379	0.9432	0.9097	0.1711
german	0.6600	0.3400	0.6600	0.2990	0.8444
gina	0.6196	0.3804	0.6196	0.2497	0.6142
glass	0.8095	0.0635	0.8095	0.7246	0.1432
glassBWFP	0.8571	0.1429	0.8571	0.7175	0.4205
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7610	0.4620
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.2012	0.4985
haberman	0.7000	0.3000	0.7000	0.2012	0.8607
hapt	0.8866	0.0189	0.8866	0.8656	0.0997
har70	0.9368	0.0229	0.9194	0.8841	0.1186
harth10%	0.8411	0.0217	0.8836	0.8270	0.1574
hayes-roth	0.5625	0.2917	0.5625	0.3129	0.4109
hcc-survival	0.6471	0.3529	0.6471	0.3289	0.7633
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.9000	0.1000	0.9000	0.8000	0.4259
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8228	0.1959	0.8123	0.6081	0.5921
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.4000	0.7154
higgs10%	0.5492	0.4423	0.5555	0.0528	0.5766
higher	0.2857	0.1786	0.2857	0.1411	0.2921
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8938	0.1062	0.8938	0.6071	0.5682
hiva	0.9748	0.0420	0.9552	0.0843	0.5618
horse	0.6389	0.2407	0.6389	0.3922	0.5786
htru2	0.9765	0.0235	0.9765	0.8590	0.3008
ht-sensor	0.7427	0.1620	0.7511	0.6326	0.3729
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.5932	0.4068	0.5932	0.2036	0.8012
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6098	0.0300	0.6098	0.5942	0.2822
jm1	0.7980	0.2020	0.7980	0.2571	0.7652
fvowels	0.8745	0.0279	0.8745	0.8575	0.1401
kc1	0.8246	0.1754	0.8246	0.2726	0.7474
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.5000	0.5000
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3694	0.1228
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.3574	0.7500
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8082	0.0213	0.8082	0.7856	0.2166
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7383	0.0882	0.7274	0.6810	0.3672
la2s-wc	0.7468	0.0800	0.7480	0.6947	0.3215
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6625	0.0598
led24	0.6500	0.0700	0.6500	0.6034	0.1499
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9315	0.0053	0.9315	0.9287	0.0768
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7222	0.0370	0.7222	0.7022	0.1182
linkage10%	0.9910	0.0000	1.0000	1.0000	0.0001
liver	0.4118	0.5882	0.4118	0.0582	0.6818
localization	0.4827	0.0948	0.4832	0.3081	0.3483
lrs	0.7925	0.0415	0.7925	0.7186	0.1784
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.5556	0.4444	0.5556	0.1429	0.8961
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4808	0.5192	0.4808	-0.0385	0.9710
magic04	0.8048	0.1952	0.8048	0.5741	0.6758

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8125	0.1875	0.8125	0.6274	0.6117
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7327	0.1782	0.7327	0.5936	0.4955
messidor	0.6087	0.3913	0.6087	0.2602	0.7673
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0874
mfeat-fou	0.7200	0.0560	0.7200	0.6889	0.2477
mfeat-kar	0.7800	0.0440	0.7800	0.7556	0.2408
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2061
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0372
mfeat-zer	0.7400	0.0520	0.7400	0.7111	0.1801
mice-prot	0.9352	0.0162	0.9352	0.9258	0.0800
mines	0.5294	0.1882	0.5294	0.4100	0.4329
mobile	0.7937	0.0074	0.7937	0.7900	0.0922
monks-1	0.9818	0.0182	0.9818	0.9636	0.1023
monks-2	0.9344	0.0656	0.9344	0.8610	0.3064
monks-3	0.9643	0.0357	0.9643	0.9285	0.2076
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.8879	0.1121	0.8879	0.3970	0.3007
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9754
mutagen_class_2	0.5147	0.4853	0.5147	0.0294	0.5273
mutagen_class_3	0.4638	0.5362	0.4638	-0.0859	0.8653
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7489
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3845	0.8052
MUT_ci300400a	0.7118	0.2882	0.7118	0.4412	0.7176
MUT_ci300400a_cdk_ECFP2	0.6006	0.4103	0.5987	0.0350	0.5515
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9553	0.0447	0.9553	0.9107	0.2376
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
ncRNA10%	0.8812	0.0095	0.9026	0.7133	0.2055
newspop	0.5510	0.4490	0.5510	0.1374	0.7899
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9359	0.0641	0.9359	0.8488	0.3633
NPHA-doctor-visits	0.3472	0.4352	0.3472	0.0151	0.7427
nursery	0.9915	0.0034	0.9915	0.9876	0.0189
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9769	0.1003
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9505	0.0099	0.9505	0.9435	0.0572
oh10-wc	0.8000	0.0400	0.8000	0.7732	0.2139
oh15-wc	0.8696	0.0261	0.8696	0.8516	0.1251
oh5-wc	0.8791	0.0242	0.8791	0.8638	0.1115
opn310k	0.9282	0.0768	0.9048	0.4459	0.5345
opnat310k-hg16-17	0.9007	0.0895	0.9172	0.0382	0.2432
optdigits	0.9520	0.0096	0.9520	0.9466	0.0655
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7250	0.0138	0.7250	0.7179	0.0487
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr	0.9209	0.0791	0.9209	0.2495	0.6005
p53-mutants10%	1.0000	0.0064	0.9848	-0.0033	0.5251
page-blocks	0.9817	0.0073	0.9817	0.8989	0.1776

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9833	0.0167	0.9833	0.9657	0.1129
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
particle	0.8825	0.1302	0.8618	0.6775	0.5742
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9099	0.0901	0.9099	0.2387	0.6639
pcmac	0.5773	0.4227	0.5773	-0.0021	0.6750
pd	0.8684	0.1316	0.8684	0.6226	0.5508
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9900	0.0020	0.9900	0.9889	0.0172
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.8093	0.1907	0.8093	0.5945	0.6516
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.8203
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6703	0.5244
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.6500	0.3500	0.6500	0.3396	0.7400
phishing	0.9673	0.0327	0.9673	0.9320	0.2029
phoneme	0.8148	0.1852	0.8148	0.6008	0.5986
phy	0.6518	0.3482	0.6518	0.3056	0.7450
pima	0.8026	0.1974	0.8026	0.5940	0.6633
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7825	0.0450	0.7661	0.5790	0.1733
polish-1st	0.9602	0.0398	0.9602	0.1144	0.4253
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	0.0279	0.4040
polish-4th	0.9551	0.0449	0.9551	0.4288	0.4797
polish-5th	0.9459	0.0541	0.9459	0.5390	0.5301
polya	0.4249	0.5751	0.4249	0.0733	0.5642
popularity	0.3198	0.4535	0.3198	0.0088	0.4530
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.8725	0.0510	0.8725	0.8403	0.1952
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8188
primary-tumor	0.5152	0.0441	0.5152	0.4573	0.2051
profb	0.4179	0.5821	0.4179	0.0297	0.7763
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9127	0.0350	0.9229	0.8677	0.1328
pufs-6410%	0.4969	0.5091	0.4884	-0.0137	1.0000
raisin	0.8778	0.1222	0.8778	0.7556	0.4709
re0-wc	0.7733	0.0349	0.7733	0.6815	0.1676
re1-wc	0.8193	0.0145	0.8193	0.7948	0.1550
rejafada	1.0000	0.0000	0.9823	0.9872	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9588	0.0098	0.9911	0.9857	0.0498
rocket	0.5370	0.4630	0.5370	0.1831	0.5747
RT_IOT2022	0.9922	0.0009	1.0000	0.9757	0.0079
satimage	0.8756	0.0415	0.8756	0.8469	0.1857
satimageF	0.9891	0.0109	0.9891	0.9442	0.1683
satimageT	0.8911	0.1089	0.8911	0.5488	0.5941
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.4412	0.5588	0.4412	-0.1176	0.9672
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.6010	0.3926	0.5985	0.2664	0.5209
segment	0.9697	0.0087	0.9697	0.9646	0.0345
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0927	0.3832
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-2-gram	0.8684	0.1316	0.8684	0.0812	0.4869
sens-3-gram	0.8867	0.1244	0.8584	0.0679	0.2640
sens-4-gram	0.8594	0.1420	0.8417	0.1289	0.6375
sensorless	0.9626	0.0068	0.9626	0.9588	0.0409
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8702	0.1298	0.8702	0.5690	0.6241
shuttle	0.9998	0.0000	0.9998	0.9995	0.1018
sick	0.9788	0.0212	0.9788	0.8071	0.1898
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9985	0.0015	0.9985	0.9954	0.0294
smk_can_187	0.7368	0.2632	0.7368	0.4751	0.7624
solar-flare	0.7698	0.0767	0.7698	0.7037	0.1673
sonar	0.5500	0.4500	0.5500	0.1000	0.9473
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9196	0.0804	0.9196	0.8304	0.3720
spect	0.7037	0.2963	0.7037	0.2340	0.8108
spectf	0.9143	0.0857	0.9143	0.7961	0.4377
spectrometer	0.4528	0.0228	0.4528	0.4200	0.1547
splice-EI	0.9653	0.0347	0.9653	0.9106	0.2608
splice-IE	0.9527	0.0473	0.9527	0.8753	0.3265
sport-articles	0.8000	0.2000	0.8000	0.5937	0.6393
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8359	0.1641	0.8359	0.5229	0.6768
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8941	0.0706	0.8941	0.8286	0.2459
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.5949	0.4051	0.5949	0.2900	0.6032
steel-p	0.9179	0.0821	0.9179	0.3853	0.6193
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.6923	0.2051	0.6923	0.5094	0.4475
student-weekend	0.4462	0.2215	0.4462	0.2187	0.5773
student-workday	0.6875	0.1250	0.6875	0.1805	0.3411
susy10%	0.7611	0.2458	0.7515	0.5116	0.7454
swarm_aligned	1.0000	0.0000	0.9896	1.0000	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0047
swarm_grouped	1.0000	0.0000	1.0000	0.9810	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.7073
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9655	0.0063	0.9655	0.9619	0.0487
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.8768	0.1293	0.8818	0.6533	0.5698
titanic	0.8182	0.1818	0.8182	0.5545	0.6262
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.5882	0.4118	0.5882	0.1314	0.9243
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	0.0000	0.8747
trec11-wc	0.9268	0.0163	0.9268	0.9105	0.0698
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8648	0.0471
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.9367	0.0155	0.9367	0.9379	0.0682
trec41-wc	0.9651	0.0092	0.9553	0.9572	0.0488
trec45-wc	0.9420	0.0116	0.9420	0.9321	0.0415
tuandromd	0.9843	0.0157	0.9843	0.9519	0.1658
turkish	0.8250	0.0875	0.8250	0.7667	0.2430
tvnews	0.9705	0.0533	0.9211	0.8792	0.2701
urban	0.8060	0.0431	0.8060	0.7725	0.1766
vehicle	0.7738	0.1131	0.7738	0.6928	0.2053
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6162	0.0698	0.6162	0.5778	0.2224
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
vrnormat310k-hg16-17	0.8862	0.0917	0.9065	0.0012	0.2373
wap-wc	0.3327	0.0670	0.3357	0.1700	0.2820
warpar10p	0.6923	0.0615	0.6923	0.6579	0.1084
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.8229	0.0515	0.8048	0.8010	0.1591
watch-gyr10%	0.8567	0.0381	0.8511	0.8326	0.1460
waveform	0.8140	0.1240	0.8140	0.7210	0.4107
web-phishing	0.8741	0.0840	0.8741	0.7779	0.3284
weight-lift	0.5109	0.2001	0.4935	0.3233	0.2940
white-clover	0.5000	0.2500	0.5000	0.1818	0.2027
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9855	0.0145	0.9855	0.8369	0.2405
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5849	0.1384	0.5849	0.3150	0.3534
winequality-white	0.4867	0.1467	0.4867	0.0995	0.3996
winnipeg	0.9781	0.0062	1.0000	0.9739	0.0495
yale	0.5000	0.0667	0.5000	0.4667	0.1064
yeast	0.5203	0.0959	0.5203	0.3885	0.3408
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9865	0.0135	0.9865	0.7431	0.4034
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.8290	0.0342	0.8290	0.8084	0.2046
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 183: Detailed results for DPF-EL(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1271	0.0602	0.1271	0.0438	0.5557
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9644	0.0356	0.9644	0.0914	0.5556
ads	0.9604	0.0396	0.9604	0.8278	0.2989
adult	0.7305	0.2695	0.7305	0.4397	0.6276
AID1284Morered	0.6944	0.3056	0.6944	-0.0206	0.7441
AID1284red	0.7778	0.2222	0.7778	-0.1163	0.8180
AID_1431	0.8730	0.1270	0.8730	-0.0577	0.7306
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7619	0.2381	0.7619	-0.0371	0.8340
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9854	0.0019	1.0000	-0.0009	0.5233
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5676	0.4324	0.5676	0.2043	0.7783
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	1.0000	0.0014	0.9945	0.8056	0.2625
AID604AID644_AllRed	1.0000	0.0008	0.9796	0.5399	0.4474
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.5000	0.5000	0.5000	-0.0870	0.9393
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9955	0.0045	0.9955	-0.0020	0.5425
AID688red	0.9864	0.0136	0.9864	-0.0060	0.5628
AID721morered	0.8889	0.1111	0.8889	0.6087	0.2605
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	1.0000	0.0015	0.9940	-0.0007	0.5430
AID746red	0.9838	0.0113	0.9894	0.1624	0.5387
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8615	0.1385	0.8615	0.5585	0.5520
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9510	0.0293
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9458	0.0271	0.9458	0.8972	0.1164
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9555	0.0111	0.9555	0.9253	0.0694
anuran-species	0.9514	0.0097	0.9514	0.9318	0.0457
aps-failure	0.9719	0.0102	0.9960	0.7111	0.4072
arcene	0.5500	0.4500	0.5500	0.1509	0.8702
arrhythmia	0.5778	0.0650	0.5778	0.1293	0.2900
auction	0.9804	0.0196	0.9804	0.9056	0.0721
audiology	0.8384	0.0146	0.8323	0.7893	0.0475
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.6500	0.1167	0.6500	0.5205	0.2168
avila	0.8098	0.0317	0.8098	0.7579	0.1299
balance	0.7742	0.1505	0.7742	0.6015	0.4050
bank	0.8577	0.1423	0.8577	0.4974	0.5996
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7535	0.2465	0.7535	0.4741	0.7563
basehock	0.9226	0.0642	0.9463	0.8531	0.3225
bio	1.0000	0.0048	0.9971	0.7359	0.4119
biodeg	0.8571	0.1429	0.8571	0.7097	0.5220
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9690	0.0012	0.9687	0.3882	0.5920
block10%	1.0000	0.0001	1.0000	0.9812	0.0004
block10%	1.0000	0.0001	1.0000	0.9812	0.0004
breast-cancer	0.5000	0.5000	0.5000	0.1091	0.7753
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.6364	0.3636	0.6364	0.3125	0.5164
breast-tissue	0.5455	0.1515	0.5455	0.4660	0.2152
bridges	0.6000	0.1143	0.6000	0.3750	0.1502
bub10at310k-hg16-17	0.9238	0.0901	0.9036	0.2297	0.5759
bze_3d_rdkit_descriptors	0.9512	0.0488	0.9512	0.8576	0.3254
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.3333	0.5283
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9770	0.0115	0.9770	0.9505	0.0674
card	0.7246	0.2754	0.7246	0.4580	0.7415
cardiotocography	0.8075	0.0385	0.8075	0.7676	0.2119
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8010	0.2600
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4974	0.4888
cas_N6512_cdk_ECFP2	0.5207	0.4793	0.5207	0.1001	0.6407
cdc_diabetes	0.8058	0.1288	0.8035	0.1921	0.6283
census10%	0.9348	0.0614	0.9442	0.4292	0.6135
central-nervous-system	0.5000	0.5000	0.5000	0.1818	0.5239
cervical-B	0.9535	0.0465	0.9535	0.4819	0.1307
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9186	0.0814	0.9186	0.3296	0.4914
chemo_fontaine	0.8605	0.1395	0.8605	0.7088	0.5440
Choi_MACCS	0.5000	0.5000	0.5000	0.0000	0.8322
chrom19	1.0000	0.0003	1.0000	0.8444	0.2906
ci100410h_MACCS	0.7500	0.2500	0.7500	0.3368	0.7744
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.6059	0.5651
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.7636	0.2364	0.7636	0.5342	0.6455
ci900367j_MACCS	0.6105	0.3895	0.6105	0.2712	0.7811
cirrhosis	0.6905	0.2063	0.6905	0.4277	0.5246
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7065	0.1468	0.7065	0.5786	0.3901
climate	0.8889	0.1111	0.8889	0.1900	0.6824
cil_sub_111	0.5833	0.2778	0.5833	0.2683	0.4054
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5374	0.3084	0.5374	0.3150	0.6366
cnae-9	0.8519	0.0329	0.8519	0.8333	0.1213
codon_usage	0.7843	0.0392	0.7843	0.7373	0.2300
coil20	0.9028	0.0097	0.9028	0.8976	0.0624
collins	0.8600	0.0187	0.8600	0.8454	0.0446
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.4828	0.5172	0.4828	0.0181	0.9090
colposcopies-2	0.5862	0.4138	0.5862	0.2301	0.8003
colposcopies-3	0.6207	0.3793	0.6207	0.2633	0.8511
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3916	0.4961
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.9032	0.0968	0.9032	0.7947	0.3833
column-3c	0.8065	0.1290	0.8065	0.6890	0.2725
connect-4	0.9916	0.0132	0.9629	0.5634	0.4732
cottonmeloidogyne	0.5938	0.4062	0.5938	0.1929	0.7019
coupon	0.5797	0.4203	0.5797	0.2138	0.7703
covtype	0.9372	0.0166	0.9544	0.9085	0.1613
covtypeCD	0.9170	0.0830	0.9170	0.5295	0.2255
covtypeT	0.9478	0.0522	0.9478	0.5296	0.4914
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8184	0.0605	0.8184	0.5458	0.1824
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0312	0.0484	0.0312	0.0000	0.4005
cyclopentane	0.6296	0.3704	0.6296	0.3077	0.5193
cylinder-bands	0.6667	0.3333	0.6667	0.2779	0.8116
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8250	0.1750	0.8250	0.3875	0.6399
deposit	0.8830	0.1170	0.8830	0.0115	0.3007
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.1429	0.3239
dexter	0.9008	0.0818	0.9072	0.8422	0.3831
dhfr_cdk_ECFP2	0.6842	0.3158	0.6842	0.4198	0.5164
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.4889	0.3362	0.4876	0.0766	0.7828
diagnosis	0.9167	0.0833	0.9167	0.8333	0.3145
dishonest	0.3125	0.6875	0.3125	0.0000	0.4887
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	0.0769	0.8627
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.4738	0.5262	0.4738	0.0017	0.5499
dropout	0.6433	0.2378	0.6433	0.4553	0.5901
drug-01	0.3298	0.1915	0.3298	0.0713	0.6503
drug-02	0.4521	0.1565	0.4521	0.0937	0.7484
drug-03	0.6809	0.0912	0.6809	-0.0036	0.2974
drug-04	0.4840	0.1474	0.4840	0.0449	0.6227
drug-05	0.6862	0.0897	0.6862	-0.0474	0.4078
drug-06	0.2074	0.2264	0.2074	0.1011	0.6176
drug-07	0.2021	0.2280	0.2021	0.0192	0.3378
drug-08	0.4628	0.1535	0.4628	0.0738	0.5236
drug-09	0.8457	0.0441	0.8457	-0.0265	0.3448
drug-10	0.4894	0.1459	0.4894	0.0895	0.6604
drug-11	0.8245	0.0502	0.8245	-0.0311	0.3585
drug-12	0.7500	0.0714	0.7500	-0.0159	0.4876
drug-13	0.5638	0.1246	0.5638	0.0973	0.4397
drug-14	0.5372	0.1322	0.5372	0.0509	0.4532
drug-15	0.7606	0.0684	0.7606	0.0306	0.1839
drug-16	0.5479	0.1292	0.5479	0.2516	0.5061
drug-17	0.2074	0.2264	0.2074	0.0606	0.8323
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7500	0.0714	0.7500	0.0221	0.3436
drybean	0.8714	0.0367	0.8714	0.8455	0.1739
ecoli	0.7353	0.0662	0.7353	0.6250	0.1693
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.7879	0.2121	0.7879	0.5237	0.6384
ecoliMU	0.7576	0.2424	0.7576	0.2281	0.5602
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2380	0.0952	0.2380	0.1823	0.5812
eeg-eye	0.5327	0.4673	0.5327	0.1370	0.5750
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.5385	0.4615	0.5385	0.1522	0.8293
er_tox_cdk_ECFP2	0.7333	0.2667	0.7333	0.5016	0.5125
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.3754	0.5647
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6202	0.5322
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5920	0.6403
er_tox_rdkit_FEATMORGAN	0.9194	0.0806	0.9194	0.8387	0.3559
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6423	0.5581
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8878	0.2952
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.5115	0.6012
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6301	0.1479	0.6301	0.5343	0.4091
euthyroid	0.9620	0.0380	0.9620	0.7651	0.3200
exon.vs.intron-freq	0.9610	0.0359	0.9515	0.9319	0.2149
fbis-wc	0.7602	0.0282	0.7602	0.7270	0.1491
fda.atompair_fp	0.5000	0.5000	0.5000	0.0000	0.8640
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5513	0.2382
fontaine_MACCS	0.9773	0.0227	0.9773	0.9515	0.1529
fonts10%	0.6275	0.0049	0.6261	0.5934	0.4782
forest	0.8462	0.0769	0.8462	0.7886	0.2140
gas	0.9813	0.0062	0.9813	0.9773	0.0409
gastrointestinal	0.8125	0.1250	0.8125	0.6735	0.2281
gender	0.3474	0.4351	0.3474	-0.0050	0.4370
gene	0.8927	0.0715	0.8927	0.8310	0.2624
german	0.6300	0.3700	0.6300	0.1232	0.9156
gina	0.5879	0.4121	0.5879	0.1878	0.6585
glass	0.6667	0.1111	0.6667	0.5116	0.1758
glassBWFP	0.8095	0.1905	0.8095	0.6316	0.4644
glassBWNFP	0.7143	0.2857	0.7143	0.4375	0.7044
glassContainers	0.9091	0.0909	0.9091	0.4500	0.6330
glass-g2	0.4375	0.5625	0.4375	-0.0286	0.9147
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9091	0.0909	0.9091	-0.0476	0.6284
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.0000	0.5000	0.0000	0.0000	0.3942
glioma-grade	0.8690	0.1310	0.8690	0.7402	0.4502
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2899	0.4319
haberman	0.6000	0.4000	0.6000	0.0526	0.8954
hapt	0.8637	0.0227	0.8637	0.8391	0.0913
har70	0.8938	0.0261	0.9033	0.8520	0.3386
harth10%	0.8617	0.0247	0.8456	0.8107	0.2836
hayes-roth	0.1875	0.5417	0.1875	0.0000	0.4207
hcc-survival	0.5882	0.4118	0.5882	0.2323	0.7856
heart	0.7037	0.2963	0.7037	0.4346	0.6808
heart-c	0.7667	0.2333	0.7667	0.5374	0.6906
hepatitis	0.7333	0.2667	0.7333	0.3333	0.7333

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8259	0.1895	0.8179	0.6230	0.6450
hERG-121inputs	0.4286	0.5714	0.4286	-0.4000	0.9644
hERG-64inputs	0.7143	0.2857	0.7143	0.3000	0.8322
hERG-9inputs	0.8462	0.1538	0.8462	0.4348	0.3145
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.6554	0.3518	0.6518	0.2950	0.8815
higher	0.2143	0.1964	0.2143	0.0723	0.3263
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8499	0.1501	0.8499	0.3357	0.6391
hiva	0.9598	0.0402	0.9598	0.1737	0.5500
horse	0.5833	0.2778	0.5833	0.2362	0.6197
htru2	0.9648	0.0352	0.9648	0.7820	0.3692
ht-sensor	1.0000	0.0002	0.9921	1.0000	0.0021
hypothyroid	0.9814	0.0093	0.9814	0.8777	0.0301
hypothyroidT	0.9841	0.0159	0.9841	0.8762	0.0587
ilpd	0.5763	0.4237	0.5763	0.1819	0.8021
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.8667	0.0889	0.8667	0.7973	0.1994
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8049	0.0150	0.8049	0.7971	0.1490
jm1	0.8099	0.1901	0.8099	0.0520	0.4433
fvowels	0.9378	0.0138	0.9378	0.9294	0.0910
kc1	0.6256	0.3744	0.6256	0.2438	0.5622
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5827	0.0350	0.5694	0.2481	0.1526
kc1-class-level-top5percentDF	0.8000	0.2000	0.8000	-0.0976	0.5661
kc2	0.2115	0.7885	0.2115	0.0000	0.4033
kidney-disease	0.9500	0.0500	0.9500	0.8904	0.1808
krkopt	0.7127	0.0319	0.7127	0.6814	0.2402
krvskp	0.9812	0.0188	0.9812	0.9623	0.1219
la1s-wc	0.7858	0.0762	0.7609	0.7174	0.3597
la2s-wc	0.7835	0.0750	0.7645	0.7160	0.3512
labor	0.6667	0.3333	0.6667	0.4000	0.5283
leaf	0.2059	0.0397	0.2059	0.1782	0.2149
led24	0.6000	0.0800	0.6000	0.5480	0.1900
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9065	0.0072	0.9065	0.9027	0.1001
leukemia	0.4286	0.3810	0.4286	0.2000	0.4588
leukemia2	0.8571	0.1429	0.8571	0.6957	0.3522
libra	0.5000	0.0667	0.5000	0.4591	0.1971
linkage10%	0.9984	0.0000	1.0000	0.9993	0.0001
liver	0.4118	0.5882	0.4118	0.0582	0.6818
localization	0.5483	0.0821	0.5483	0.4209	0.4644
lrs	0.7547	0.0491	0.7547	0.6558	0.1421
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.6667	0.1333	0.6667	0.0000	0.2497
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.7000	0.1200	0.7000	0.0000	0.2315
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.1250	0.2500	0.1250	0.0000	0.3388
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.4444	0.1235	0.4444	0.0816	0.2158
madelon	0.4962	0.5038	0.4962	-0.0077	0.8023
magic04	0.7585	0.2415	0.7585	0.5064	0.7073

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7500	0.2500	0.7500	0.5096	0.6311
MAO_MACCS	0.7143	0.2857	0.7143	0.4615	0.5000
maternal	0.5545	0.2970	0.5545	0.3438	0.6405
messidor	0.5391	0.4609	0.5391	0.1361	0.8320
meter-A	0.5000	0.5000	0.5000	0.1579	0.5288
meter-B	0.4444	0.3704	0.4444	0.2373	0.3770
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.7778	0.1111	0.7778	0.6923	0.2721
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.0811
mfeat-fou	0.7500	0.0500	0.7500	0.7222	0.2136
mfeat-kar	0.8350	0.0330	0.8350	0.8167	0.1379
mfeat-mor	0.6800	0.0640	0.6800	0.6444	0.2297
mfeat-pix	0.9000	0.0200	0.9000	0.8889	0.1097
mfeat-zer	0.7300	0.0540	0.7300	0.7000	0.2028
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0114
mines	0.5000	0.2000	0.5000	0.3704	0.3230
mobile	0.7517	0.0089	0.7517	0.7472	0.1089
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.7869	0.2131	0.7869	0.5802	0.5737
monks-3	0.9286	0.0714	0.9286	0.8577	0.2661
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9606	0.0394	0.9606	0.8389	0.2459
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.4928	0.5072	0.4928	0.0000	0.5292
mutagens_ExtendedFingerprinter	0.6029	0.3971	0.6029	0.2059	0.8025
MUT_ci034254q_MACCS	0.4918	0.5082	0.4918	0.0166	0.9460
MUT_ci300400a	0.5940	0.4060	0.5940	0.2525	0.6609
MUT_ci300400a_cdk_ECFP2	0.5528	0.4472	0.5528	0.1921	0.6697
myocardial	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid	0.9454	0.0546	0.9454	0.8909	0.2644
nci9	0.0000	0.2222	0.0000	0.0000	0.3770
ncRNA10%	0.9149	0.0087	0.9072	0.7694	0.7770
newspop	0.4720	0.5280	0.4720	0.0075	0.5358
new-thyroid	0.9048	0.0635	0.9048	0.7586	0.1376
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9048	0.0952	0.9048	0.7833	0.4407
NPHA-doctor-visits	0.3056	0.4630	0.3056	0.0113	0.7844
nursery	0.9892	0.0043	0.9892	0.9842	0.0203
obs	0.7963	0.1019	0.7963	0.6806	0.1904
occupancy	0.9937	0.0063	0.9937	0.9823	0.0783
Occupancy_Estimation	0.9891	0.0054	0.9891	0.9669	0.0470
oh0-wc	0.7723	0.0455	0.7723	0.7350	0.1699
oh10-wc	0.6190	0.0762	0.6190	0.5599	0.3080
oh15-wc	0.7391	0.0522	0.7391	0.7004	0.2318
oh5-wc	0.7473	0.0505	0.7473	0.7127	0.2057
opn310k	0.8867	0.1208	0.8832	0.2826	0.6947
opnat310k-hg16-17	0.9186	0.0922	0.8958	0.2997	0.6014
optdigits	0.9324	0.0135	0.9324	0.9249	0.0907
optdigitsZ	0.9929	0.0071	0.9929	0.9553	0.0921
orl	0.1000	0.0450	0.1000	0.0769	0.2668
orlraws10P	0.3000	0.1400	0.3000	0.2222	0.2201
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9289	0.0711	0.9289	0.2785	0.5157
p53-mutants10%	1.0000	0.0032	0.9875	0.0000	0.0147
page-blocks	0.9634	0.0146	0.9634	0.7695	0.1525

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9827	0.0501
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.8862	0.1046	0.8787	0.7296	0.5047
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9009	0.0991	0.9009	0.1042	0.6873
pcmac	0.5722	0.4278	0.5722	-0.0164	0.6775
pd	0.7632	0.2368	0.7632	0.4627	0.6993
pediatric-leukemia	0.7059	0.0840	0.7059	0.6312	0.2395
pendigits	0.9518	0.0096	0.9518	0.9464	0.0641
period	0.4444	0.5556	0.4444	0.0000	0.8722
period-10f	0.5556	0.4444	0.5556	0.1429	0.8628
P-Glycoprotein_b_Inhibitor	0.6753	0.3247	0.6753	0.3505	0.7885
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8626
P-Glycoprotein_c_RDkit_AtomPair_FP	0.7619	0.2381	0.7619	0.5360	0.4667
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.6000	0.4000	0.6000	0.2593	0.7573
phishing	0.9388	0.0612	0.9388	0.8746	0.2931
phoneme	0.7963	0.2037	0.7963	0.5698	0.6072
phy	0.5206	0.4794	0.5206	0.0462	0.5712
pima	0.7368	0.2632	0.7368	0.4906	0.6683
plx	0.5000	0.5000	0.5000	0.0471	0.8362
poker	0.6372	0.0728	0.6346	0.3504	0.5372
polish-1st	0.9687	0.0313	0.9687	0.4359	0.4145
polish-2nd	0.9479	0.0521	0.9479	0.0478	0.6164
polish-3rd	0.9200	0.0800	0.9200	0.1009	0.6450
polish-4th	0.9224	0.0776	0.9224	0.3153	0.6296
polish-5th	0.9408	0.0592	0.9408	0.4479	0.5324
polya	0.4086	0.5914	0.4086	0.0533	0.5718
popularity	0.4426	0.3716	0.4426	0.1152	0.4078
post-operative	0.4444	0.3704	0.4444	0.0000	0.4301
postures	0.7676	0.0930	0.7676	0.7106	0.1995
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.9318
primary-tumor	0.2121	0.0716	0.2121	0.1200	0.2891
profb	0.5672	0.4328	0.5672	0.1805	0.8269
promoters	0.9000	0.1000	0.9000	0.7826	0.2846
prostate	0.5714	0.4286	0.5714	0.2222	0.5283
prostate_GE	0.8182	0.1818	0.8182	0.6333	0.6309
puc-rio	0.9521	0.0192	0.9521	0.9359	0.0921
pufs-6410%	0.5011	0.4989	0.5011	0.0026	0.9085
raisin	0.8444	0.1556	0.8444	0.6889	0.5001
re0-wc	0.7467	0.0390	0.7467	0.6535	0.2352
re1-wc	0.7108	0.0231	0.7108	0.6559	0.1641
rejafada	0.9801	0.0000	0.9856	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9937	0.0050	0.9878	1.0000	0.0311
rocket	0.5312	0.4688	0.5312	0.1752	0.5627
RT_IOT2022	0.9863	0.0003	0.9972	0.9975	0.0039
satimage	0.8414	0.0529	0.8414	0.8057	0.2238
satimageF	0.9922	0.0078	0.9922	0.9592	0.0802
satimageT	0.8927	0.1073	0.8927	0.0334	0.5179
scadi	0.5789	0.1225	0.5821	0.4867	0.1319
schiller	0.5556	0.4444	0.5556	-0.2857	0.9011
schizo	0.5294	0.4706	0.5294	0.0588	0.8368
secom	0.9359	0.0641	0.9359	0.3434	0.5806
secondary_mushroom	0.6668	0.3332	0.6668	0.3714	0.5325
segment	0.9524	0.0136	0.9524	0.9443	0.0614
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sens-3-gram	0.8395	0.1605	0.8395	-0.0239	0.7250
sens-4-gram	0.8037	0.1902	0.7999	0.2266	0.7401
sensorless	0.9576	0.0077	0.9576	0.9534	0.0459
sepsis	0.8877	0.1123	0.8877	0.0166	0.6789
shoppers	0.8483	0.1517	0.8483	0.0732	0.4560
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9682	0.0318	0.9682	0.6692	0.0989
sirtuin6	0.9000	0.1000	0.9000	0.8000	0.3145
skin	1.0000	0.0009	1.0000	0.9849	0.0125
smk_can_187	0.4211	0.5789	0.4211	-0.1176	0.9461
solar-flare	0.2230	0.2590	0.2230	0.0753	0.4661
sonar	0.4500	0.5500	0.4500	-0.1000	0.9904
soybean	0.9118	0.0093	0.9118	0.9027	0.0407
spambase	0.8696	0.1304	0.8696	0.7367	0.4881
spect	0.7407	0.2593	0.7407	0.2921	0.7993
spectf	0.8571	0.1429	0.8571	0.6154	0.5218
spectrometer	0.4542	0.0229	0.4559	0.4159	0.1351
splice-EI	0.9590	0.0410	0.9590	0.8961	0.2881
splice-IE	0.9211	0.0789	0.9211	0.7940	0.4416
sport-articles	0.6800	0.3200	0.6800	0.3698	0.7835
squash-stored	0.2000	0.5333	0.2000	0.0000	0.4227
squash-unstored	0.0000	0.6667	0.0000	0.0000	0.3619
steel-b	0.6718	0.3282	0.6718	0.3570	0.5781
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8619	0.0921	0.8619	0.7783	0.2515
steel-k	0.9795	0.0205	0.9795	0.9371	0.1800
steel-o	0.6205	0.3795	0.6205	0.3258	0.6010
steel-p	0.9077	0.0923	0.9077	0.2066	0.6425
steel-s	0.9846	0.0154	0.9846	0.7617	0.0555
steel-z	0.9538	0.0462	0.9538	0.6860	0.2821
studentap	0.4615	0.3590	0.4615	0.2018	0.6483
student-weekend	0.3385	0.2646	0.3385	0.1233	0.7024
student-workday	0.6406	0.1437	0.6406	0.1452	0.3822
susy10%	0.7288	0.2717	0.7367	0.4469	0.8056
swarm_aligned	0.9806	0.0004	0.9923	1.0000	0.0035
swarm_flocking	1.0000	0.0000	1.0000	0.9992	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4000	0.4000	0.4000	0.1000	0.6324
Tdp_desc	0.7778	0.2222	0.7778	0.4098	0.7450
texture	0.9655	0.0063	0.9655	0.9619	0.0447
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.0190	0.8083
Thyroid_Diff	0.9211	0.0789	0.9211	0.8131	0.4145
tic-tac-toe	0.9368	0.0632	0.9368	0.8649	0.3038
tis	0.8885	0.1241	0.8838	0.6547	0.5663
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.5000	0.1667	0.5000	0.0000	0.2923
tox_171	0.6471	0.1765	0.6471	0.5256	0.2975
toxicity	0.4706	0.5294	0.4706	0.0255	0.8903
toxicity-13f	0.5882	0.4118	0.5882	0.1905	0.8702
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5067	0.4933	0.5067	-0.1548	0.8825
trec11-wc	0.8293	0.0379	0.8293	0.7831	0.0903
trec12-wc	0.8387	0.0403	0.8387	0.8040	0.1112

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4031	0.1560
trec23-wc	0.7619	0.0794	0.7619	0.6656	0.1860
trec31-wc	0.9194	0.0187	0.9204	0.9161	0.1035
trec41-wc	0.8636	0.0273	0.8636	0.8316	0.1166
trec45-wc	0.8406	0.0319	0.8406	0.8135	0.1187
tuandromd	0.2018	0.7982	0.2018	0.0000	0.3921
turkish	0.6500	0.1750	0.6500	0.5333	0.3535
tvnews	0.9300	0.0685	0.9245	0.8471	0.3430
urban	0.7910	0.0464	0.7910	0.7540	0.1676
vehicle	0.7381	0.1310	0.7381	0.6418	0.2791
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.4545	0.0992	0.4545	0.4000	0.2753
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9074	0.0941	0.9131	0.2959	0.6328
wap-wc	0.6127	0.0391	0.6087	0.5743	0.3028
warpar10p	0.3077	0.1385	0.3077	0.1986	0.2775
warppiel0p	0.6190	0.0762	0.6190	0.5725	0.1221
watch-acc10%	0.9958	0.0003	1.0000	0.9794	0.0038
watch-gyr10%	0.9958	0.0003	0.9862	0.9899	0.0032
waveform	0.6700	0.2200	0.6700	0.5046	0.4998
web-phishing	0.8370	0.1086	0.8370	0.7211	0.4227
weight-lift	0.7763	0.0895	0.7763	0.7192	0.2796
white-clover	0.6667	0.1667	0.6667	0.0000	0.1796
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0256
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.4465	0.1845	0.4465	0.1383	0.5065
winequality-white	0.4601	0.1543	0.4601	0.2445	0.4704
winnipeg	0.9968	0.0027	0.9987	0.9881	0.0343
yale	0.3750	0.0833	0.3750	0.3191	0.1907
yeast	0.5405	0.0919	0.5405	0.3984	0.3546
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9527	0.0473	0.9527	0.0000	0.1300
zip	0.9054	0.0189	0.9054	0.8937	0.1259
zoo	0.1000	0.2571	0.1000	0.0000	0.3334

Table 184: Detailed results for DPF-EL(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0935	0.0625	0.0935	0.0393	0.6647
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	-0.0224	0.6102
accelerometer	0.9766	0.0234	0.9766	0.0169	0.5586
ads	0.9604	0.0396	0.9604	0.8245	0.2725
adult	0.7705	0.2295	0.7705	0.5000	0.6226
AID1284Morered	0.7778	0.2222	0.7778	0.2044	0.7424
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7714	0.2286	0.7714	-0.0227	0.8163
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9825	0.0005	1.0000	-0.0002	0.3900
AID373red	1.0000	0.0017	1.0000	0.1633	0.5413
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5405	0.4595	0.5405	0.1778	0.6980
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9921	0.0015	1.0000	0.7671	0.2573
AID604AID644_AllRed	0.9930	0.0017	1.0000	0.1690	0.5355
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.6000	0.4000	0.6000	0.1304	0.8900
AID_652128	0.8586	0.0943	0.8586	0.0760	0.3836
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.5556	0.4444	0.5556	0.0526	0.7987
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	1.0000	0.0015	0.9843	-0.0007	0.5398
AID746red	0.9888	0.0097	0.9810	0.2071	0.5403
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8154	0.1846	0.8154	0.5032	0.6987
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9305	0.0348	0.9305	0.8703	0.1734
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9624	0.0094	0.9624	0.9382	0.0773
anuran-species	0.9694	0.0061	0.9694	0.9573	0.0470
aps-failure	0.9929	0.0114	0.9763	0.6809	0.4386
arcene	0.6500	0.3500	0.6500	0.3396	0.7400
arrhythmia	0.6000	0.0615	0.6000	0.4578	0.2856
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8744	0.0110	0.8665	0.8441	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7306	0.1653
avila	0.6627	0.0562	0.6627	0.5072	0.2266
balance	0.8710	0.0860	0.8710	0.7631	0.4075
bank	0.8721	0.1279	0.8721	0.5276	0.6005
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7028	0.2972	0.7028	0.4137	0.7488
basehock	0.9659	0.0252	0.9801	0.9543	0.1581
bio	1.0000	0.0050	0.9870	0.7278	0.3997
biodeg	0.7524	0.2476	0.7524	0.5168	0.6555
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0012	0.9956	0.3732	0.6167
block10%	1.0000	0.0001	0.9975	1.0000	0.0005
block10%	1.0000	0.0001	0.9975	1.0000	0.0005
breast-cancer	0.5357	0.4643	0.5357	0.1947	0.6875
breast-cancer-co	0.7273	0.2727	0.7273	0.4762	0.4882
breast-cancer-ma	0.6364	0.3636	0.6364	0.3125	0.5164
breast-tissue	0.8182	0.0606	0.8182	0.7755	0.1061
bridges	0.6000	0.1143	0.6000	0.4286	0.1966
bub10at310k-hg16-17	0.9097	0.0902	0.9075	0.0300	0.2344
bze_3d_rdkit_descriptors	0.8537	0.1463	0.8537	0.5358	0.6201
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8551	0.1449	0.8551	0.7108	0.5158
cardiotocography	0.7371	0.0526	0.7371	0.6758	0.2175
cardiotocography-nsp	0.9108	0.0595	0.9108	0.7375	0.2909
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5846	0.4332
cas_N6512_cdk_ECFP2	0.4916	0.5084	0.4916	0.0515	0.5859
cdc_diabetes	0.8080	0.1230	0.8099	0.2115	0.5872
census10%	0.9197	0.0627	0.9243	0.3855	0.6092
central-nervous-system	0.5000	0.5000	0.5000	0.1818	0.5239
cervical-B	0.9419	0.0581	0.9419	0.2712	0.1529
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9535	0.0465	0.9535	0.0000	0.1284
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
chrom19	0.9898	0.0003	0.9977	0.8532	0.2612
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8000	0.2000	0.8000	0.6059	0.5651
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6601	0.5756
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6574	0.5971
ci900367j_MACCS	0.6000	0.4000	0.6000	0.2888	0.6070
cirrhosis	0.7143	0.1905	0.7143	0.4717	0.5289
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8028	0.0986	0.8028	0.6834	0.3263
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cil_sub_111	0.4167	0.3889	0.4167	-0.0769	0.5868
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5850	0.2766	0.5850	0.3416	0.6593
cnae-9	0.8519	0.0329	0.8519	0.8333	0.1340
codon_usage	0.7268	0.0497	0.7268	0.6624	0.2560
coil20	0.9722	0.0028	0.9722	0.9708	0.0191
collins	0.9200	0.0107	0.9200	0.9121	0.0295
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.5862	0.4138	0.5862	0.2596	0.7024
colposcopies-2	0.5517	0.4483	0.5517	0.1786	0.8085
colposcopies-3	0.5172	0.4828	0.5172	0.0731	0.9294
colposcopies-4	0.6552	0.3448	0.6552	0.0645	0.9084

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.5862	0.4138	0.5862	0.1869	0.8278
colposcopies-c	0.5172	0.4828	0.5172	-0.0201	0.8419
column-2c	0.9355	0.0645	0.9355	0.8597	0.3145
column-3c	0.7742	0.1505	0.7742	0.6407	0.3672
connect-4	0.9690	0.0110	0.9757	0.6275	0.4223
cottonmeloidogyne	0.6034	0.3966	0.6034	0.2120	0.6761
coupon	0.5355	0.4645	0.5355	0.1501	0.7118
covtype	0.9063	0.0229	0.9055	0.8601	0.2012
covtypeCD	0.9061	0.0939	0.9061	0.4400	0.2207
covtypeT	0.9665	0.0335	0.9665	0.6906	0.2671
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.6608	0.1131	0.6608	0.4653	0.6221
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.1250	0.0437	0.1250	0.0995	0.1968
cyclopentane	0.6667	0.3333	0.6667	0.3721	0.5112
cylinder-bands	0.6296	0.3704	0.6296	0.2426	0.9032
darwin	0.8333	0.1667	0.8333	0.6667	0.4011
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8237	0.1763	0.8237	0.3845	0.6464
deposit	0.8825	0.1175	0.8825	0.0326	0.3798
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2000	0.5046
dexter	0.8144	0.1849	0.8310	0.6434	0.6098
dhfr_cdk_ECFP2	0.7237	0.2763	0.7237	0.4791	0.5865
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.4455	0.3590	0.4516	0.0043	0.7792
diagnosis	0.9167	0.0833	0.9167	0.8333	0.3145
dishonest	0.3125	0.6875	0.3125	0.0000	0.4887
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.3750	0.6250	0.3750	-0.1392	0.9472
dlbcl-stanford	0.6000	0.4000	0.6000	0.2857	0.5283
dota2	0.4737	0.5263	0.4737	0.0016	0.5458
dropout	0.6659	0.2227	0.6659	0.4615	0.6020
drug-01	0.4096	0.1687	0.4096	0.0632	0.3973
drug-02	0.3564	0.1839	0.3564	0.0921	0.7878
drug-03	0.3245	0.1930	0.3245	0.0526	0.7465
drug-04	0.2606	0.2112	0.2606	0.0812	0.8081
drug-05	0.1011	0.2568	0.1011	-0.0023	0.6546
drug-06	0.3830	0.1763	0.3830	0.2065	0.4418
drug-07	0.4202	0.1657	0.4202	0.0697	0.3366
drug-08	0.3191	0.1945	0.3191	0.1354	0.7249
drug-09	0.8457	0.0441	0.8457	-0.0210	0.1829
drug-10	0.3351	0.1900	0.3351	0.1131	0.7870
drug-11	0.8511	0.0426	0.8511	0.0546	0.2038
drug-12	0.4628	0.1535	0.4628	0.1019	0.7544
drug-13	0.4362	0.1611	0.4362	0.1594	0.8155
drug-14	0.2819	0.2052	0.2819	0.0939	0.7220
drug-15	0.6064	0.1125	0.6064	0.1488	0.8304
drug-16	0.4309	0.1626	0.4309	0.2512	0.6591
drug-17	0.3457	0.1869	0.3457	0.1069	0.5657
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6064	0.1125	0.6064	0.1435	0.6964
drybean	0.9037	0.0275	0.9037	0.8832	0.1416
ecoli	0.7353	0.0662	0.7353	0.6218	0.1541
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.7273	0.2727	0.7273	0.1951	0.5391
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1471	0.1066	0.1471	0.1055	0.6358
eeg-eye	0.5280	0.4720	0.5280	0.1293	0.5693
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.5385	0.4615	0.5385	0.1875	0.6870
er_tox_cdk_ECFP2	0.6333	0.3667	0.6333	0.3146	0.7388
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.7705	0.2295	0.7705	0.5240	0.6990
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9626	0.1355
er_tox_rdkit_RDKITFP	0.6721	0.3279	0.6721	0.3894	0.6197
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6438	0.1425	0.6438	0.5357	0.3947
euthyroid	0.9652	0.0348	0.9652	0.7813	0.2675
exon.vs.intron-freq	0.9426	0.0420	0.9650	0.9054	0.2385
fbis-wc	0.7195	0.0330	0.7195	0.6812	0.2354
fda.atompair_fp	0.4091	0.5909	0.4091	-0.0916	0.8544
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.4000	0.1500	0.4000	0.1781	0.3170
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.4544	0.0071	0.4519	0.4173	0.3455
forest	0.8654	0.0673	0.8654	0.8137	0.1658
gas	0.9928	0.0024	0.9928	0.9913	0.0188
gastrointestinal	0.4375	0.3750	0.4375	0.1771	0.4061
gender	0.3495	0.4337	0.3495	0.0160	0.3424
gene	0.9022	0.0652	0.9022	0.8447	0.2649
german	0.5600	0.4400	0.5600	0.1039	0.9202
gina	0.5937	0.4063	0.5937	0.1992	0.6403
glass	0.7143	0.0952	0.7143	0.6000	0.1932
glassBWFP	0.9048	0.0952	0.9048	0.8073	0.3522
glassBWNFP	0.6667	0.3333	0.6667	0.2759	0.8607
glassContainers	0.9091	0.0909	0.9091	0.0000	0.2092
glass-g2	0.6250	0.3750	0.6250	0.3333	0.5283
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7402	0.4502
green	0.5000	0.5000	0.5000	0.0741	0.8345
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3558	0.5159
haberman	0.6333	0.3667	0.6333	0.2667	0.7572
hapt	0.8920	0.0180	0.8920	0.8722	0.1152
har70	0.8770	0.0338	0.8723	0.8396	0.2393
harth10%	0.8151	0.0301	0.8118	0.7568	0.1820
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7407	0.2593	0.7407	0.4850	0.7305
heart-c	0.8000	0.2000	0.8000	0.6053	0.5901
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8109	0.2016	0.8114	0.5999	0.6120
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.3478	0.8010
higgs10%	0.5457	0.4536	0.5540	0.0562	0.5836
higher	0.2857	0.1786	0.2857	0.1515	0.3027
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8803	0.1197	0.8803	0.5175	0.5789
hiva	0.9669	0.0331	0.9669	0.1211	0.0993
horse	0.6389	0.2407	0.6389	0.4143	0.6099
htru2	0.9782	0.0218	0.9782	0.8619	0.2206
ht-sensor	0.8711	0.0979	0.8513	0.7815	0.2679
hypothyroid	0.9841	0.0080	0.9841	0.8967	0.0266
hypothyroidT	0.9947	0.0053	0.9947	0.9614	0.0242
ilpd	0.5593	0.4407	0.5593	0.1832	0.7702
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6906	0.0238	0.6906	0.6783	0.2711
jm1	0.8099	0.1901	0.8099	0.0466	0.4242
fvowels	0.8755	0.0277	0.8755	0.8588	0.1206
kc1	0.5403	0.4597	0.5403	0.1599	0.5481
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.5020	0.0415	0.4995	0.1868	0.2756
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.2115	0.7885	0.2115	0.0000	0.4033
kidney-disease	0.9750	0.0250	0.9750	0.9459	0.1112
krkopt	0.8731	0.0141	0.8731	0.8579	0.1452
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.6729	0.1120	0.6686	0.5696	0.4859
la2s-wc	0.6884	0.1024	0.6938	0.5978	0.4491
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.3529	0.0324	0.3529	0.3327	0.0930
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.8955	0.0080	0.8955	0.8913	0.1127
leukemia	0.8571	0.0952	0.8571	0.7812	0.1327
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6944	0.0407	0.6944	0.6719	0.1128
linkage10%	0.9812	0.0001	1.0000	0.9891	0.0374
liver	0.5588	0.4412	0.5588	0.2566	0.5281
localization	0.6280	0.0695	0.6245	0.5320	0.6483
lrs	0.7547	0.0491	0.7547	0.6541	0.1946
lsvt	1.0000	0.0000	1.0000	1.0000	0.0000
lung	0.8571	0.0571	0.8571	0.6769	0.1268
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.6250	0.1071	0.6250	0.5556	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6348	0.1754
lymphoma2	0.5556	0.0988	0.5556	0.4000	0.1927
madelon	0.5423	0.4577	0.5423	0.0846	0.9437
magic04	0.6770	0.3230	0.6770	0.3937	0.6768

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7500	0.2500	0.7500	0.5108	0.5951
MAO_MACCS	0.7143	0.2857	0.7143	0.4615	0.5000
maternal	0.7030	0.1980	0.7030	0.5467	0.4985
messidor	0.6261	0.3739	0.6261	0.2869	0.7807
meter-A	0.5000	0.5000	0.5000	0.1579	0.5288
meter-B	0.6667	0.2222	0.6667	0.5179	0.4308
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.6111	0.1944	0.6111	0.4815	0.2460
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0727
mfeat-fou	0.7600	0.0480	0.7600	0.7333	0.2126
mfeat-kar	0.9350	0.0130	0.9350	0.9278	0.0763
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.2454
mfeat-pix	0.9250	0.0150	0.9250	0.9167	0.0862
mfeat-zer	0.7550	0.0490	0.7550	0.7278	0.2005
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.3947
mobile	0.7273	0.0097	0.7273	0.7223	0.1245
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.8197	0.1803	0.8197	0.6448	0.4708
monks-3	0.9464	0.0536	0.9464	0.8929	0.2762
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9530	0.0470	0.9530	0.7985	0.2076
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_2	0.5000	0.5000	0.5000	0.0000	0.5283
mutagen_class_3	0.4928	0.5072	0.4928	0.0000	0.5292
mutagens_ExtendedFingerprinter	0.6471	0.3529	0.6471	0.2941	0.7776
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1774	0.8507
MUT_ci300400a	0.6454	0.3546	0.6454	0.3346	0.6810
MUT_ci300400a_cdk_ECFP2	0.5372	0.4628	0.5372	0.1702	0.6483
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9499	0.0501	0.9499	0.8998	0.2460
nci9	0.6667	0.0741	0.6667	0.6250	0.0625
ncRNA10%	0.8921	0.0103	0.9042	0.7114	0.2638
newspop	0.4723	0.5278	0.4723	0.0079	0.5401
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.8926	0.1074	0.8926	0.7600	0.4542
NPHA-doctor-visits	0.2917	0.4722	0.2917	-0.0074	0.7445
nursery	0.9985	0.0006	0.9985	0.9977	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0252
oh0-wc	0.7525	0.0495	0.7525	0.7231	0.1780
oh10-wc	0.5619	0.0876	0.5619	0.5155	0.2894
oh15-wc	0.5326	0.0935	0.5326	0.4866	0.2437
oh5-wc	0.7912	0.0418	0.7912	0.7645	0.1670
opn310k	0.8771	0.1162	0.8971	0.3073	0.6684
opnat310k-hg16-17	0.9149	0.0895	0.8995	0.0215	0.2387
optdigits	0.9484	0.0103	0.9484	0.9426	0.0754
optdigitsZ	0.9911	0.0089	0.9911	0.9425	0.0373
orl	0.7000	0.0150	0.7000	0.6923	0.0695
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.0821	0.3855
p53-mutants10%	1.0000	0.0063	0.9897	-0.0031	0.5064
page-blocks	0.9689	0.0124	0.9689	0.8059	0.1388

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	0.0000	0.5239
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
particle	0.8805	0.1221	0.8867	0.7119	0.5483
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9459	0.0541	0.9459	0.5959	0.5417
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.7763	0.2237	0.7763	0.5278	0.5886
pediatric-leukemia	0.7941	0.0588	0.7941	0.7424	0.1447
pendigits	0.9809	0.0038	0.9809	0.9788	0.0326
period	0.4444	0.5556	0.4444	0.1176	0.5170
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.7216	0.2784	0.7216	0.4451	0.7199
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8491
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8175	0.1825	0.8175	0.6418	0.4267
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.4500	0.5500	0.4500	0.0000	0.8929
phishing	0.9551	0.0449	0.9551	0.9077	0.2279
phoneme	0.7333	0.2667	0.7333	0.4824	0.5712
phy	0.5306	0.4694	0.5306	0.0660	0.5607
pima	0.8026	0.1974	0.8026	0.6031	0.6355
plx	0.5556	0.4444	0.5556	-0.1077	0.9442
poker	0.6614	0.0687	0.6692	0.3920	0.5061
polish-1st	0.9559	0.0441	0.9559	0.1444	0.5567
polish-2nd	0.9469	0.0531	0.9469	0.0758	0.6230
polish-3rd	0.9276	0.0724	0.9276	0.0993	0.6513
polish-4th	0.9367	0.0633	0.9367	0.3588	0.6202
polish-5th	0.9442	0.0558	0.9442	0.4495	0.4783
polya	0.4130	0.5870	0.4130	0.0593	0.5633
popularity	0.3589	0.4274	0.3589	0.0426	0.4505
post-operative	0.4444	0.3704	0.4444	-0.1538	0.4855
postures	0.7405	0.1038	0.7405	0.6743	0.2392
pred-tox_mutagen_ref-desc	0.5588	0.4412	0.5588	0.1176	0.8557
primary-tumor	0.3333	0.0606	0.3333	0.2461	0.2608
profb	0.5224	0.4776	0.5224	0.1532	0.7722
promoters	1.0000	0.0000	1.0000	1.0000	0.0000
prostate	0.5714	0.4286	0.5714	0.1600	0.9174
prostate_GE	0.9091	0.0909	0.9091	0.8197	0.3145
puc-rio	0.9931	0.0099	0.9665	0.9736	0.0692
pufs-6410%	0.5003	0.5083	0.5013	0.0023	0.9824
raisin	0.8333	0.1667	0.8333	0.6667	0.5969
re0-wc	0.7133	0.0441	0.7133	0.6032	0.2818
re1-wc	0.5663	0.0347	0.5663	0.5241	0.1967
rejafada	1.0000	0.0000	0.9999	0.9853	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9524	0.0201	0.9662	0.9459	0.0601
rocket	0.5356	0.4644	0.5356	0.1809	0.5748
RT_IOT2022	1.0000	0.0003	1.0000	1.0000	0.0060
satimage	0.8274	0.0575	0.8274	0.7838	0.2065
satimageF	0.9907	0.0093	0.9907	0.9513	0.1170
satimageT	0.8989	0.1011	0.8989	0.0468	0.3692
scadi	0.7014	0.0807	0.7263	0.6400	0.1369
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9448
secom	0.9423	0.0577	0.9423	0.2866	0.4244
secondary_mushroom	0.6704	0.3296	0.6704	0.3781	0.5167
segment	0.9524	0.0136	0.9524	0.9443	0.0604
segmentO	0.9957	0.0043	0.9957	0.9825	0.0218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-3-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sens-4-gram	0.8267	0.1715	0.8379	0.2024	0.7647
sensorless	0.9969	0.0006	0.9969	0.9966	0.0069
sepsis	0.8927	0.1074	0.8927	0.0353	0.6500
shoppers	0.8500	0.1500	0.8500	0.0437	0.2947
shuttle	0.9997	0.0001	0.9997	0.9990	0.0007
sick	0.9735	0.0265	0.9735	0.7369	0.0862
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9932	0.0012	1.0000	1.0000	0.0164
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7122	0.0959	0.7122	0.6268	0.2307
sonar	0.4000	0.6000	0.4000	-0.2000	1.0000
soybean	0.9412	0.0062	0.9412	0.9355	0.0238
spambase	0.8978	0.1022	0.8978	0.7909	0.4368
spect	0.6667	0.3333	0.6667	0.2569	0.7546
spectf	0.8571	0.1429	0.8571	0.6154	0.5218
spectrometer	0.4633	0.0222	0.4810	0.4460	0.1505
splice-EI	0.9716	0.0284	0.9716	0.9257	0.2218
splice-IE	0.9369	0.0631	0.9369	0.8330	0.3894
sport-articles	0.6300	0.3700	0.6300	0.3168	0.7158
squash-stored	0.6000	0.2667	0.6000	0.3333	0.3447
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.6615	0.3385	0.6615	0.3445	0.5764
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8094	0.1271	0.8094	0.6927	0.3323
steel-k	0.9949	0.0051	0.9949	0.9841	0.0266
steel-o	0.6359	0.3641	0.6359	0.3441	0.6239
steel-p	0.9487	0.0513	0.9487	0.5592	0.3225
steel-s	0.9846	0.0154	0.9846	0.7617	0.0555
steel-z	0.9846	0.0154	0.9846	0.9059	0.0582
studentap	0.4615	0.3590	0.4615	0.1415	0.5345
student-weekend	0.4154	0.2338	0.4154	0.1486	0.5640
student-workday	0.6094	0.1562	0.6094	0.1952	0.5324
susy10%	0.7506	0.2381	0.7514	0.5030	0.7469
swarm_aligned	0.9892	0.0025	1.0000	0.9948	0.0270
swarm_flocking	0.9671	0.0199	0.9722	0.9565	0.1346
swarm_grouped	0.9971	0.0000	1.0000	0.9972	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6480
Tdp_desc	0.6389	0.3611	0.6389	0.2994	0.6420
texture	0.9800	0.0036	0.9800	0.9779	0.0275
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.2863	0.6913
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9474	0.0526	0.9474	0.8848	0.2992
tis	0.8484	0.1602	0.8433	0.5771	0.6471
titanic	0.3227	0.6773	0.3227	0.0000	0.4945
tourist	0.6250	0.1250	0.6250	0.4146	0.1603
tox_171	0.5882	0.2059	0.5882	0.4491	0.3401
toxicity	0.5882	0.4118	0.5882	0.1314	0.9243
toxicity-13f	0.7059	0.2941	0.7059	0.3796	0.8113
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5600	0.4400	0.5600	0.1824	0.7112
trec11-wc	0.6829	0.0705	0.6829	0.6196	0.1827
trec12-wc	0.8387	0.0403	0.8387	0.8091	0.1425

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8485	0.0505	0.8485	0.6577	0.1158
trec23-wc	0.9048	0.0317	0.9048	0.8641	0.0701
trec31-wc	0.9427	0.0213	0.9218	0.9054	0.0906
trec41-wc	0.8523	0.0295	0.8523	0.8186	0.1216
trec45-wc	0.8406	0.0319	0.8406	0.8124	0.1404
tuandromd	0.2018	0.7982	0.2018	0.0000	0.3921
turkish	0.8000	0.1000	0.8000	0.7333	0.2827
tvnews	0.8960	0.0860	0.9293	0.8196	0.4052
urban	0.7313	0.0597	0.7313	0.6836	0.2065
vehicle	0.6429	0.1786	0.6429	0.5266	0.4203
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.7500	0.2500	0.7500	0.4000	0.7643
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4141	0.1065	0.4141	0.3556	0.3643
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
vrnormat310k-hg16-17	0.9230	0.0921	0.9079	0.0000	0.2121
wap-wc	0.7110	0.0290	0.7062	0.6708	0.2166
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0725
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9914	0.0034	0.9927	0.9914	0.0225
watch-gyr10%	1.0000	0.0037	0.9973	0.9713	0.0183
waveform	0.7120	0.1920	0.7120	0.5680	0.5378
web-phishing	0.8148	0.1235	0.8148	0.6749	0.4585
weight-lift	0.7215	0.1114	0.7215	0.6341	0.2195
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9896	0.0104	0.9896	0.8784	0.0408
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5786	0.1405	0.5786	0.2906	0.4074
winequality-white	0.5092	0.1402	0.5092	0.1712	0.4917
winnipeg	0.9768	0.0068	0.9856	0.9530	0.0608
yale	0.6250	0.0500	0.6250	0.5966	0.0941
yeast	0.4122	0.1176	0.4122	0.2447	0.4023
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2	0.9595	0.0405	0.9595	0.2410	0.1164
zip	0.9301	0.0140	0.9301	0.9217	0.1097
zoo	0.5000	0.1429	0.5000	0.3506	0.1867

Table 185: Detailed results for WHMB(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1703	0.0572	0.1703	0.0805	0.4514
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9819	0.0181	0.9819	-0.0006	0.1621
ads	0.9695	0.0305	0.9695	0.8688	0.2443
adult	0.8347	0.1490	0.8623	0.5377	0.5558
AID1284Morered	0.8611	0.1389	0.8611	0.3662	0.6914
AID1284red	0.8333	0.1667	0.8333	0.3032	0.7325
AID_1431	0.8810	0.1190	0.8810	-0.0488	0.7141
AID1608Morered	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	1.0000	0.0003	0.9878	-0.0002	0.4897
AID373red	1.0000	0.0013	0.9967	-0.0005	0.5171
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.7297	0.2703	0.7297	0.4272	0.7843
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9812	0.0039	0.9760	0.1360	0.4146
AID604AID644_AllRed	1.0000	0.0013	1.0000	0.1958	0.5135
AID644Morered	0.5000	0.5000	0.5000	-0.0870	0.9393
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8182	0.1212	0.8182	-0.0761	0.4123
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9940	0.0060	0.9940	-0.0030	0.5142
AID688red	0.9893	0.0107	0.9893	-0.0025	0.4301
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9975	0.0013	0.9917	-0.0005	0.5018
AID746red	1.0000	0.0074	0.9927	-0.0024	0.4836
AID_773	0.7407	0.2593	0.7407	-0.1455	0.7147
AID852_MACCS	0.9077	0.0923	0.9077	0.7273	0.4552
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.8090	0.0764	0.8090	0.5432	0.0880
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9847	0.0076	0.9847	0.9708	0.0404
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9736	0.0066	0.9736	0.9564	0.0999
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0321
aps-failure	1.0000	0.0095	0.9677	0.7061	0.2841
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7333	0.0410	0.7333	0.5761	0.2469
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6522	0.0290	0.6522	0.5911	0.0823
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	0.9310	0.0690	0.9310	0.8612	0.2500
autos	0.8000	0.0667	0.8000	0.7279	0.1260
avila	0.7686	0.0386	0.7686	0.6763	0.1087
balance	0.9194	0.0538	0.9194	0.8535	0.2707
bank	0.8995	0.1005	0.8995	0.5038	0.6280
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8618	0.1382	0.8618	0.6755	0.3771
basehock	0.9138	0.0850	0.9310	0.8420	0.3153
bio	0.9747	0.0032	0.9767	0.7799	0.1376
biodeg	0.7810	0.2190	0.7810	0.5146	0.6885
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9854	0.0000	0.9859	0.1539	0.3333
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7500	0.2500	0.7500	0.3636	0.7920
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2414	0.8512
breast-tissue	0.6364	0.1212	0.6364	0.5686	0.1532
bridges	0.7000	0.0857	0.7000	0.6154	0.1876
bub10at310k-hg16-17	0.9338	0.0808	0.8953	0.2594	0.4370
bze_3d_rdkit_descriptors	0.8293	0.1707	0.8293	0.5209	0.6824
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.5294	0.5000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8116	0.1884	0.8116	0.5921	0.5036
cardiotocography	0.8122	0.0376	0.8122	0.7704	0.1515
cardiotocography-nsp	0.9108	0.0595	0.9108	0.7533	0.3574
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7209	0.2947
cas_N6512_cdk_ECFP2	0.7039	0.3122	0.7078	0.3977	0.8189
cdc_diabetes	0.8668	0.1027	0.8599	0.1656	0.3058
census10%	0.9580	0.0462	0.9447	0.4220	0.3791
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.6560	0.0768
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9966	0.0003	1.0000	0.8125	0.1734
ci100410h_MACCS	0.8438	0.1562	0.8438	0.5181	0.6559
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.5703	0.5157
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.7579	0.2421	0.7579	0.4267	0.5932
cirrhosis	0.7381	0.1746	0.7381	0.4762	0.4797
cjs	0.6500	0.1167	0.6500	0.5880	0.1493
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8250	0.0875	0.8250	0.7332	0.3372
climate	0.9630	0.0370	0.9630	0.6494	0.1112
cil_sub_111	0.5000	0.3333	0.5000	0.1818	0.4294
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5850	0.2766	0.5850	0.3358	0.6203
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0608
codon_usage	0.8949	0.0191	0.8949	0.8716	0.1354
coil20	0.4167	0.0583	0.4167	0.3844	0.2118
collins	0.5600	0.0587	0.5600	0.5190	0.1664
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6897	0.3103	0.6897	0.3290	0.8399
colposcopies-2	0.6897	0.3103	0.6897	0.2770	0.7986
colposcopies-3	0.6897	0.3103	0.6897	0.3359	0.8266
colposcopies-4	0.7586	0.2414	0.7586	0.3715	0.7831

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.3439	0.7289
colposcopies-6	0.6897	0.3103	0.6897	0.3741	0.8142
colposcopies-c	0.7586	0.2414	0.7586	0.3715	0.7765
column-2c	0.8710	0.1290	0.8710	0.6884	0.4958
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9760	0.0111	0.9707	0.4150	0.0343
cottonmeloidogyne	0.7476	0.2524	0.7476	0.4937	0.6879
coupon	0.7224	0.2776	0.7224	0.4321	0.7948
covtype	0.7624	0.0714	0.7558	0.5867	0.3526
covtypeCD	0.9727	0.0273	0.9727	0.8776	0.1910
covtypeT	0.9603	0.0397	0.9603	0.6361	0.3620
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.3149	0.3053
crowdsourced	0.8903	0.0366	0.8903	0.7579	0.2149
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.2812	0.0359	0.2812	0.2618	0.1154
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.6852	0.3148	0.6852	0.3598	0.8410
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8153	0.1847	0.8153	0.2994	0.5879
deposit	0.8952	0.1048	0.8952	0.4002	0.6155
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6000	0.2311
dexter	0.9623	0.0340	0.9535	0.9456	0.1584
dhfr_cdk_ECFP2	0.7368	0.2632	0.7368	0.3851	0.5660
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5684	0.2813	0.5677	0.1589	0.5441
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5000	0.5000	0.5000	0.0000	0.9831
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5765	0.4276	0.5659	0.1005	0.8640
dropout	0.7381	0.1746	0.7381	0.5387	0.3987
drug-01	0.3989	0.1717	0.3989	0.0153	0.4285
drug-02	0.5053	0.1413	0.5053	0.0307	0.4522
drug-03	0.6809	0.0912	0.6809	-0.0145	0.2910
drug-04	0.4947	0.1444	0.4947	0.0937	0.6868
drug-05	0.7181	0.0805	0.7181	-0.0221	0.3215
drug-06	0.4096	0.1687	0.4096	0.2394	0.4719
drug-07	0.3989	0.1717	0.3989	-0.0446	0.4224
drug-08	0.5585	0.1261	0.5585	0.0634	0.4217
drug-09	0.8511	0.0426	0.8511	0.0405	0.2431
drug-10	0.5479	0.1292	0.5479	0.0297	0.2773
drug-11	0.8298	0.0486	0.8298	0.0948	0.4516
drug-12	0.7766	0.0638	0.7766	0.0651	0.2777
drug-13	0.5638	0.1246	0.5638	0.0434	0.3709
drug-14	0.5691	0.1231	0.5691	0.0936	0.4188
drug-15	0.7234	0.0790	0.7234	0.0253	0.5247
drug-16	0.5160	0.1383	0.5160	0.0396	0.3956
drug-17	0.3138	0.1960	0.3138	0.0214	0.5345
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0317	0.3038
drybean	0.7134	0.0819	0.7134	0.6597	0.1842
ecoli	0.7941	0.0515	0.7941	0.7069	0.1622
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3613	0.0798	0.3613	0.2784	0.5220
eeg-eye	0.5761	0.4239	0.5761	0.0627	0.5462
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4298	0.7489
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5181	0.6014
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8699	0.3522
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7101	0.4785
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6438	0.1425	0.6438	0.5428	0.3794
euthyroid	0.9652	0.0348	0.9652	0.8004	0.3649
exon.vs.intron-freq	0.9601	0.0619	0.9223	0.8798	0.2973
fbis-wc	0.7439	0.0301	0.7439	0.7140	0.1149
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5440	0.2475
fontaine_MACCS	0.9091	0.0909	0.9091	0.8087	0.4156
fonts10%	0.5267	0.0059	0.5468	0.5175	0.5632
forest	0.8269	0.0865	0.8269	0.7575	0.1452
gas	0.9935	0.0022	0.9935	0.9922	0.0177
gastrointestinal	0.9375	0.0417	0.9375	0.9006	0.1278
gender	0.5874	0.2751	0.5874	-0.0038	0.3359
gene	0.9211	0.0526	0.9211	0.8752	0.2269
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.8242	0.1758	0.8242	0.6472	0.5922
glass	0.7619	0.0794	0.7619	0.6708	0.2563
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.7857	0.2143	0.7857	0.5365	0.6130
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3787	0.4786
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9330	0.0085	0.9691	0.9160	0.0800
har70	0.8897	0.0294	0.9155	0.8696	0.1295
harth10%	0.8445	0.0251	0.8592	0.7866	0.2033
hayes-roth	0.8750	0.0833	0.8750	0.8049	0.1629
hcc-survival	0.4706	0.5294	0.4706	-0.1168	1.0000
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.5455	0.5283

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8350	0.1555	0.8386	0.6980	0.5861
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.4737	0.6644
higgs10%	0.6984	0.3068	0.6794	0.3791	0.8229
higher	0.3571	0.1607	0.3571	0.2174	0.2646
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.9191	0.0809	0.9191	0.7244	0.5034
hiva	0.9727	0.0363	0.9846	0.1985	0.4451
horse	0.5833	0.2778	0.5833	0.2416	0.6321
htru2	0.9609	0.0391	0.9609	0.7132	0.1686
ht-sensor	0.8142	0.1246	0.8077	0.7167	0.3736
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0557
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
ilpd	0.7288	0.2712	0.7288	0.0817	0.4230
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6521	0.0268	0.6521	0.6382	0.1466
jm1	0.8062	0.1938	0.8062	0.0444	0.5098
fvowels	0.9839	0.0036	0.9839	0.9818	0.0259
kc1	0.8673	0.1327	0.8673	0.2854	0.4739
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.1250
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2020	0.8009
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8781	0.0135	0.8781	0.8633	0.1183
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8532	0.0460	0.8440	0.8223	0.2048
la2s-wc	0.8708	0.0465	0.8729	0.8170	0.1998
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.4706	0.0265	0.4706	0.4486	0.1119
led24	0.6500	0.0700	0.6500	0.6067	0.1716
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8400	0.0123	0.8400	0.8335	0.1010
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.7500	0.0333	0.7500	0.7316	0.0975
linkage10%	1.0000	0.0001	0.9847	1.0000	0.0212
liver	0.7647	0.2353	0.7647	0.3733	0.6395
localization	0.5837	0.0750	0.5997	0.4688	0.4590
lrs	0.9057	0.0189	0.9057	0.8682	0.0481
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6981	0.0553
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5346	0.4654	0.5346	0.0692	0.9687
magic04	0.7833	0.2167	0.7833	0.4537	0.4988

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8229	0.1771	0.8229	0.6430	0.6156
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8317	0.1122	0.8317	0.7432	0.3569
messidor	0.7652	0.2348	0.7652	0.5190	0.7281
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	0.6667	0.2222	0.6667	0.5091	0.1455
meter-C	0.6667	0.1667	0.6667	0.5304	0.2096
meter-D	0.5556	0.2222	0.5556	0.3739	0.3624
mfeat-fac	0.8600	0.0280	0.8600	0.8444	0.0755
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1748
mfeat-kar	0.9800	0.0040	0.9800	0.9778	0.0252
mfeat-mor	0.6250	0.0750	0.6250	0.5833	0.2217
mfeat-pix	0.9900	0.0020	0.9900	0.9889	0.0125
mfeat-zer	0.8200	0.0360	0.8200	0.8000	0.1246
mice-prot	0.4259	0.1435	0.4259	0.3389	0.2566
mines	0.4706	0.2118	0.4706	0.3377	0.5429
mobile	0.5420	0.0164	0.5420	0.5336	0.1501
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9621	0.0379	0.9621	0.8389	0.1208
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9796
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7929
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3252	0.8295
MUT_ci300400a	0.7794	0.2206	0.7794	0.5360	0.6775
MUT_ci300400a_cdk_ECFP2	0.7536	0.2568	0.7632	0.4770	0.7708
myocardial	0.8529	0.0368	0.8529	0.2292	0.1695
naticusdroid	0.9131	0.0869	0.9131	0.8261	0.3355
nci9	0.8333	0.0370	0.8333	0.8000	0.0440
ncRNA10%	0.9161	0.0090	0.8957	0.7598	0.4254
newspop	0.6413	0.3587	0.6413	0.2779	0.8900
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9370	0.0609	0.9542	0.8573	0.3245
NPHA-doctor-visits	0.4306	0.3796	0.4306	-0.0193	0.7051
nursery	0.5656	0.1738	0.5656	0.4345	0.2378
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9786	0.0214	0.9786	0.9385	0.1324
Occupancy_Estimation	0.1816	0.4092	0.1816	0.1234	0.2334
oh0-wc	0.9505	0.0099	0.9505	0.9434	0.0525
oh10-wc	0.8000	0.0400	0.8000	0.7710	0.1705
oh15-wc	0.8804	0.0239	0.8804	0.8638	0.1073
oh5-wc	0.8242	0.0352	0.8242	0.8008	0.1516
opn310k	0.9196	0.0796	0.9318	0.2570	0.4479
opnat310k-hg16-17	0.9242	0.0778	0.9373	0.2828	0.3959
optdigits	0.9502	0.0100	0.9502	0.9446	0.0579
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6500	0.0175	0.6500	0.6410	0.0657
orlraws10P	0.5000	0.1000	0.5000	0.4444	0.1620
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	0.5001	0.5755
ozone8hr	0.9170	0.0830	0.9170	0.2363	0.6272
p53-mutants10%	1.0000	0.0032	0.9866	0.0000	0.0152
page-blocks	0.9762	0.0095	0.9762	0.8638	0.1712

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8421	0.1579	0.8421	0.6587	0.4882
particle	0.8954	0.0946	0.9226	0.7782	0.4503
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac	0.5463	0.4527	0.5484	-0.0625	0.8593
pd	0.9079	0.0921	0.9079	0.7500	0.4624
pediatric-leukemia	0.8235	0.0504	0.8235	0.7809	0.1452
pendigits	0.9945	0.0011	0.9945	0.9939	0.0105
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4265	0.6822
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9238
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7769	0.4642
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3137	0.8348
Pgp_desc	0.6500	0.3500	0.6500	0.3137	0.8299
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.7667	0.2333	0.7667	0.2875	0.6423
phy	0.7020	0.2980	0.7020	0.4036	0.8132
pima	0.6447	0.3553	0.6447	0.1752	0.8270
plx	0.6667	0.3333	0.6667	-0.1020	0.8617
poker	0.5751	0.0834	0.5715	0.1956	0.2307
polish-1st	0.9602	0.0398	0.9602	-0.0028	0.2829
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9486	0.0514	0.9486	-0.0071	0.4090
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9492	0.0508	0.9492	0.4252	0.2424
polya	0.7730	0.2270	0.7730	0.4766	0.7083
popularity	0.6305	0.2463	0.6305	0.0008	0.3330
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9251	0.0300	0.9251	0.9062	0.0896
pred-tox_mutagen_ref-desc	0.5294	0.4706	0.5294	0.0588	0.7405
primary-tumor	0.3030	0.0634	0.3030	0.2287	0.3004
profb	0.8060	0.1940	0.8060	0.5330	0.6591
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9631	0.0148	0.9631	0.9504	0.0751
pufs-6410%	0.5040	0.4985	0.5082	0.0014	0.9892
raisin	0.8778	0.1222	0.8778	0.7556	0.4709
re0-wc	0.7733	0.0349	0.7733	0.7031	0.2598
re1-wc	0.8430	0.0138	0.8228	0.8194	0.1881
rejafada	1.0000	0.0000	0.9964	1.0000	0.0000
relathe	1.0000	0.0000	0.9837	1.0000	0.0000
rnaseq	0.9959	0.0000	1.0000	0.9784	0.0000
rocket	0.5893	0.4107	0.5893	-0.0058	0.5541
RT_IOT2022	0.8140	0.0310	0.8140	0.6482	0.1977
satimage	0.8802	0.0399	0.8802	0.8516	0.1764
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9005	0.0995	0.9005	0.4807	0.6364
scadi	0.8571	0.0408	0.8571	0.8056	0.0421
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9359	0.0641	0.9359	0.2586	0.5412
secondary_mushroom	0.8723	0.1389	0.8603	0.7008	0.5522
segment	0.7359	0.0754	0.7359	0.6911	0.1383
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-3-gram	0.8665	0.1235	0.8652	0.0955	0.3651
sens-4-gram	0.8599	0.1315	0.8713	0.1066	0.5269
sensorless	0.8156	0.0335	0.8156	0.7971	0.0638
sepsis	0.9094	0.0906	0.9094	0.0015	0.2086
shoppers	0.8832	0.1168	0.8832	0.5401	0.6212
shuttle	0.9698	0.0086	0.9698	0.9121	0.0400
sick	0.9761	0.0239	0.9761	0.7875	0.2654
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9926	0.0162	1.0000	0.9646	0.1722
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7626	0.0791	0.7626	0.6938	0.1845
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.3529	0.0681	0.3529	0.3326	0.2015
spambase	0.9239	0.0761	0.9239	0.8386	0.3445
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5697	0.0178	0.5614	0.5512	0.1145
splice-EI	0.9653	0.0347	0.9653	0.9099	0.2583
splice-IE	0.9180	0.0820	0.9180	0.7729	0.4460
sport-articles	0.7700	0.2300	0.7700	0.4806	0.7109
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7949	0.2051	0.7949	0.0380	0.3587
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8085	0.1277	0.8085	0.6727	0.2905
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7282	0.2718	0.7282	0.2929	0.6258
steel-p	0.9179	0.0821	0.9179	0.1729	0.5109
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9692	0.0308	0.9692	0.8329	0.3748
studentap	0.4615	0.3590	0.4615	0.1727	0.7144
student-weekend	0.3538	0.2585	0.3538	0.0894	0.7108
student-workday	0.6875	0.1250	0.6875	0.1239	0.4494
susy10%	0.8002	0.2130	0.7820	0.5690	0.6720
swarm_aligned	0.9795	0.0000	0.9914	1.0000	0.0000
swarm_flocking	0.9800	0.0004	0.9845	0.9904	0.0047
swarm_grouped	0.9821	0.0000	0.9910	0.9801	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9109	0.0162	0.9109	0.9019	0.0612
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.3411	0.5745
Thyroid_Diff	0.9474	0.0526	0.9474	0.8721	0.3093
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9342	0.0853	0.8959	0.7665	0.4052
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.9412	0.0294	0.9412	0.9217	0.0721
toxicity	0.4706	0.5294	0.4706	-0.2047	1.0000
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7467	0.2533	0.7467	0.0286	0.7084
trec11-wc	0.8780	0.0271	0.8780	0.8483	0.1041
trec12-wc	0.8065	0.0484	0.8065	0.7603	0.0983

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9394	0.0202	0.9394	0.8745	0.1219
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	1.0000	0.0000	0.9821	1.0000	0.0000
trec41-wc	0.9238	0.0135	0.9307	0.8943	0.0852
trec45-wc	0.9356	0.0115	0.9245	0.9248	0.0415
tuandromd	0.9776	0.0224	0.9776	0.9310	0.2044
turkish	0.9000	0.0500	0.9000	0.8667	0.1463
tvnews	0.8943	0.1163	0.8812	0.7470	0.4891
urban	0.8209	0.0398	0.8209	0.7901	0.1462
vehicle	0.7857	0.1071	0.7857	0.7138	0.1908
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.8333	0.1667	0.8333	0.6667	0.4644
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6566	0.0624	0.6566	0.6222	0.2148
vowelZ	0.9495	0.0505	0.9495	0.7090	0.4929
vrnormat310k-hg16-17	0.9042	0.0837	0.9092	0.2041	0.3711
wap-wc	0.8201	0.0172	0.8132	0.7919	0.1291
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.6667	0.0667	0.6667	0.6260	0.1439
watch-acc10%	0.8602	0.0463	0.8425	0.8097	0.2186
watch-gyr10%	0.8592	0.0447	0.8397	0.8276	0.2119
waveform	0.7720	0.1520	0.7720	0.6586	0.4094
web-phishing	0.8519	0.0988	0.8519	0.7388	0.3782
weight-lift	0.9555	0.0242	0.9213	0.9185	0.1232
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8246	0.3329
wine	0.9412	0.0392	0.9412	0.9006	0.1533
winequality-red	0.5786	0.1405	0.5786	0.3048	0.4612
winequality-white	0.4744	0.1502	0.4744	0.0777	0.3875
winnipeg	1.0000	0.0049	1.0000	0.9988	0.0443
yale	0.6250	0.0500	0.6250	0.5966	0.0990
yeast	0.4595	0.1081	0.4595	0.3186	0.3503
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9527	0.0473	0.9527	0.1981	0.5887
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9516	0.0097	0.9516	0.9458	0.0774
zoo	0.9000	0.0286	0.9000	0.8701	0.0000



Table 186: Detailed results for WHMB(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0504	0.0655	0.0504	0.0313	0.4526
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9817	0.0183	0.9817	0.9213	0.1335
adult	0.8724	0.1443	0.8429	0.5440	0.5615
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.8835	0.1165	0.8835	0.0804	0.6801
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9979	0.0003	1.0000	-0.0002	0.5027
AID373red	1.0000	0.0013	1.0000	-0.0005	0.4938
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1618	0.8952
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	1.0000	0.0038	1.0000	0.1412	0.4083
AID604AID644_AllRed	0.9921	0.0014	0.9766	0.2017	0.5160
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9890	0.0110	0.9890	-0.0031	0.4667
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.3333	0.6667	0.3333	-0.4211	0.8208
AID746AID1284red	0.9838	0.0014	0.9977	-0.0005	0.5075
AID746red	0.9746	0.0075	0.9843	-0.0024	0.4953
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.9231	0.0769	0.9231	0.7670	0.3581
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9735	0.0377
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9819	0.0045	0.9819	0.9703	0.1111
anuran-species	0.9819	0.0036	0.9819	0.9749	0.0393
aps-failure	1.0000	0.0091	1.0000	0.6901	0.2779
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.7778	0.0342	0.7778	0.6457	0.2317
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.7045	0.0634
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8160	0.0307	0.8160	0.7532	0.1738
balance	0.8548	0.0968	0.8548	0.7370	0.4091
bank	0.9026	0.0974	0.9026	0.3061	0.4731
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8848	0.1152	0.8848	0.7344	0.3605
basehock	0.9181	0.0857	0.9153	0.8295	0.3255
bio	1.0000	0.0033	1.0000	0.7936	0.1358
biodeg	0.8571	0.1429	0.8571	0.6866	0.5217
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9821	0.0000	1.0000	0.1495	0.3302
block10%	0.9884	0.0000	1.0000	1.0000	0.0003
block10%	0.9884	0.0000	1.0000	1.0000	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.6364	0.3636	0.6364	0.2667	0.8952
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7755	0.1061
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bub10at310k-hg16-17	0.9304	0.0843	0.9234	0.2599	0.4465
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9877	0.0284
card	0.8116	0.1884	0.8116	0.6040	0.6244
cardiotocography	0.8732	0.0254	0.8732	0.8485	0.1571
cardiotocography-nsp	0.9202	0.0532	0.9202	0.7610	0.2151
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7260	0.2722
cas_N6512_cdk_ECFP2	0.6773	0.3084	0.6778	0.3908	0.8039
cdc_diabetes	0.8393	0.0991	0.8481	0.1677	0.3007
census10%	0.9646	0.0468	0.9651	0.4269	0.3669
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9535	0.0465	0.9535	0.5764	0.5664
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
chrom19	0.9960	0.0003	1.0000	0.8251	0.1682
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6788	0.5564
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7132	0.4971
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6347	0.5902
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2592	0.6965
cirrhosis	0.7857	0.1429	0.7857	0.5781	0.3818
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8231	0.0884	0.8231	0.7256	0.3798
climate	0.9259	0.0741	0.9259	0.4600	0.6129
cil_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	0.1892	0.6967
cmc	0.5578	0.2948	0.5578	0.3058	0.6552
cnae-9	0.9722	0.0062	0.9722	0.9688	0.0305
codon_usage	0.9025	0.0177	0.9025	0.8815	0.1715
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9800	0.0027	0.9800	0.9780	0.0058
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.5862	0.4138	0.5862	0.0169	0.9290
colposcopies-3	0.7241	0.2759	0.7241	0.4171	0.7875
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7931	0.2069	0.7931	0.2750	0.7711
colposcopies-6	0.7586	0.2414	0.7586	0.5108	0.6328
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9911	0.0109	1.0000	0.4274	0.0342
cottonmeloidogyne	0.7596	0.2404	0.7596	0.5179	0.6758
coupon	0.7145	0.2855	0.7145	0.4150	0.8056
covtype	0.7357	0.0742	0.7482	0.5669	0.3641
covtypeCD	0.9727	0.0273	0.9727	0.8780	0.1974
covtypeT	0.9605	0.0395	0.9605	0.6301	0.3336
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8931	0.0356	0.8931	0.7744	0.2834
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4688	0.0266	0.4688	0.4527	0.0768
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7593	0.2407	0.7593	0.4815	0.6443
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7810	0.2190	0.7810	0.0157	0.3860
deposit	0.8914	0.1086	0.8914	0.1573	0.3732
dermatology	0.9459	0.0180	0.9459	0.9326	0.0579
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9726	0.0326	0.9538	0.9301	0.1625
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5435	0.6720
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5777	0.2851	0.5741	0.1577	0.5233
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.4583	0.5417	0.4583	-0.0986	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dota2	0.5724	0.4451	0.5545	0.0985	0.8582
dropout	0.7449	0.1701	0.7449	0.5584	0.4515
drug-01	0.1277	0.2492	0.1277	0.0244	0.7635
drug-02	0.5160	0.1383	0.5160	0.0783	0.5085
drug-03	0.6755	0.0927	0.6755	-0.0102	0.3528
drug-04	0.5160	0.1383	0.5160	0.0647	0.5079
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3936	0.1733	0.3936	0.2373	0.5838
drug-07	0.1223	0.2508	0.1223	0.0262	0.7102
drug-08	0.5372	0.1322	0.5372	0.0327	0.4554
drug-09	0.8617	0.0395	0.8617	0.0527	0.2112
drug-10	0.5319	0.1337	0.5319	0.0325	0.3725
drug-11	0.8511	0.0426	0.8511	0.1040	0.2980
drug-12	0.7766	0.0638	0.7766	-0.0202	0.2717
drug-13	0.5851	0.1185	0.5851	0.0523	0.3100
drug-14	0.5426	0.1307	0.5426	0.1804	0.6184
drug-15	0.7447	0.0729	0.7447	0.0379	0.4646
drug-16	0.5266	0.1353	0.5266	0.1630	0.5424
drug-17	0.2660	0.2097	0.2660	0.0741	0.7734
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0007	0.2818
drybean	0.9265	0.0210	0.9265	0.9113	0.1487
ecoli	0.8824	0.0294	0.8824	0.8373	0.0976
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.4632	0.0685	0.4492	0.3888	0.5815
eeg-eye	0.5708	0.4292	0.5708	0.0492	0.5277
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3644	0.7788
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.5984	0.4904
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.7336	0.5000
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6617	0.5586
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9839	0.0161	0.9839	0.8488	0.4011
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.5616	0.1753	0.5616	0.4294	0.4400
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
exon.vs.intron-freq	0.9245	0.0624	0.9463	0.8970	0.2905
fbis-wc	0.8577	0.0167	0.8577	0.8377	0.1003
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.6500	0.0875	0.6500	0.5770	0.2038
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5350	0.0061	0.5417	0.5035	0.5529
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9942	0.0019	0.9942	0.9930	0.0159
gastrointestinal	0.8125	0.1250	0.8125	0.6981	0.2631
gender	0.5853	0.2765	0.5853	-0.0076	0.3517
gene	0.9369	0.0421	0.9369	0.8989	0.1822
german	0.6600	0.3400	0.6600	0.0529	0.6057
gina	0.8357	0.1643	0.8357	0.6706	0.5771
glass	0.7619	0.0794	0.7619	0.6708	0.2320
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6667	0.4502
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4343
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9689	0.0086	0.9475	0.9480	0.0821
har70	0.9035	0.0292	0.9091	0.8417	0.1281
harth10%	0.8364	0.0249	0.8679	0.7808	0.2128
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7647	0.2353	0.7647	0.4925	0.6907
heart	0.8889	0.1111	0.8889	0.7666	0.4543
heart-c	0.8333	0.1667	0.8333	0.6575	0.3902
hepatitis	0.9333	0.0667	0.9333	0.8148	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8228	0.1555	0.8537	0.6938	0.5760
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.3750	0.7858
higgs10%	0.6969	0.2990	0.7077	0.3854	0.8379
higher	0.3571	0.1607	0.3571	0.2455	0.2784
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9275	0.0725	0.9275	0.7154	0.3833
hiva	0.9587	0.0347	0.9869	0.2008	0.4436
horse	0.6667	0.2222	0.6667	0.4106	0.5576
htru2	0.9771	0.0229	0.9771	0.8478	0.1421
ht-sensor	0.7981	0.1203	0.8111	0.7135	0.3711
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997
ilpd	0.7458	0.2542	0.7458	0.1595	0.4125
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9281	0.0055	0.9281	0.9252	0.0674
jm1	0.8090	0.1910	0.8090	0.0554	0.4776
fvowels	0.9558	0.0098	0.9558	0.9499	0.0667
kc1	0.8768	0.1232	0.8768	0.3590	0.4552
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.2857	0.0595	0.2857	0.1250	0.2278
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8784	0.0135	0.8784	0.8642	0.1528
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8572	0.0468	0.8640	0.8103	0.2087
la2s-wc	0.8433	0.0483	0.8376	0.8011	0.1996
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7941	0.0103	0.7941	0.7836	0.0360
led24	0.6000	0.0800	0.6000	0.5480	0.1850
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8755	0.0096	0.8755	0.8705	0.1299
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8889	0.0148	0.8889	0.8808	0.0419
linkage10%	0.9822	0.0001	1.0000	1.0000	0.0209
liver	0.6765	0.3235	0.6765	0.1614	0.8608
localization	0.5932	0.0742	0.6026	0.4636	0.4511
lrs	0.8113	0.0377	0.8113	0.7441	0.1237
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5077	0.4923	0.5077	0.0154	0.9898
magic04	0.7728	0.2272	0.7728	0.4213	0.4958

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8333	0.1667	0.8333	0.6636	0.5893
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7921	0.1386	0.7921	0.6813	0.3941
messidor	0.7391	0.2609	0.7391	0.4567	0.7533
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.8333	0.0833	0.8333	0.7682	0.1516
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0420
mfeat-fou	0.8350	0.0330	0.8350	0.8167	0.1411
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0381
mfeat-mor	0.7050	0.0590	0.7050	0.6722	0.2093
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0325
mfeat-zer	0.8050	0.0390	0.8050	0.7833	0.1245
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3731	0.4700
mobile	0.8741	0.0045	0.8741	0.8718	0.0578
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9633	0.0783
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8601	0.1101
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9796
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1675	1.0000
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.7316
MUT_ci034254q_MACCS	0.7213	0.2787	0.7213	0.4184	0.6610
MUT_ci300400a	0.7544	0.2456	0.7544	0.4705	0.6509
MUT_ci300400a_cdk_ECFP2	0.7633	0.2478	0.7567	0.4927	0.7571
myocardial	0.8765	0.0309	0.8765	0.5035	0.2844
naticusdroid	0.9478	0.0522	0.9478	0.8957	0.2578
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
ncRNA10%	0.8981	0.0093	0.8916	0.7364	0.4417
newspop	0.6463	0.3537	0.6463	0.2852	0.8828
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9392	0.0588	0.9333	0.8435	0.3227
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0173	0.8131
nursery	0.9961	0.0015	0.9961	0.9943	0.0102
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9898	0.0102	0.9898	0.9711	0.0908
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.9406	0.0119	0.9406	0.9321	0.0591
oh10-wc	0.8000	0.0400	0.8000	0.7720	0.1900
oh15-wc	0.8478	0.0304	0.8478	0.8273	0.1372
oh5-wc	0.8352	0.0330	0.8352	0.8129	0.1391
opn310k	0.9292	0.0810	0.9149	0.2640	0.4487
opnat310k-hg16-17	0.9265	0.0802	0.9128	0.2828	0.3988
optdigits	0.9555	0.0089	0.9555	0.9505	0.0608
optdigitsZ	0.9964	0.0036	0.9964	0.9776	0.0175
orl	0.7250	0.0138	0.7250	0.7179	0.0872
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	0.1349	0.5847
ozone8hr	0.9130	0.0870	0.9130	0.2678	0.6501
p53-mutants10%	0.9751	0.0031	1.0000	0.0000	0.0145
page-blocks	0.9781	0.0088	0.9781	0.8730	0.0952

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.9301	0.0930	0.8909	0.7628	0.4370
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac	0.5434	0.4521	0.5329	-0.0649	0.8736
pd	0.8816	0.1184	0.8816	0.6786	0.5436
pediatric-leukemia	0.8235	0.0504	0.8235	0.7806	0.1251
pendigits	0.9936	0.0013	0.9936	0.9929	0.0119
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.6804	0.3196	0.6804	0.1122	0.6722
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9348
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7288	0.5251
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4175	0.7175
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9878	0.0122	0.9878	0.9743	0.0880
phoneme	0.7278	0.2722	0.7278	0.0759	0.5479
phy	0.7036	0.2964	0.7036	0.4068	0.8079
pima	0.6316	0.3684	0.6316	0.1044	0.7152
plx	0.6667	0.3333	0.6667	0.0526	0.9011
poker	0.5854	0.0822	0.5747	0.1968	0.2270
polish-1st	0.9602	0.0398	0.9602	-0.0028	0.2829
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9495	0.0505	0.9495	-0.0054	0.3653
polish-4th	0.9510	0.0490	0.9510	0.2950	0.4521
polish-5th	0.9509	0.0491	0.9509	0.4534	0.2376
polya	0.7589	0.2411	0.7589	0.4112	0.6449
popularity	0.6310	0.2460	0.6310	0.0001	0.3101
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9140	0.0344	0.9140	0.8923	0.1524
pred-tox_mutagen_ref-desc	0.6176	0.3824	0.6176	0.2353	0.7052
primary-tumor	0.3333	0.0606	0.3333	0.2711	0.2214
profb	0.7463	0.2537	0.7463	0.3576	0.7422
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9436	0.0203	0.9325	0.9315	0.1013
pufs-6410%	0.5058	0.5040	0.5131	0.0014	1.0000
raisin	0.8778	0.1222	0.8778	0.7556	0.4709
re0-wc	0.8067	0.0297	0.8067	0.7518	0.2132
re1-wc	0.8078	0.0140	0.8051	0.7967	0.1899
rejafada	1.0000	0.0000	1.0000	0.9856	0.0000
relathe	0.9766	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9945	0.0000	1.0000	1.0000	0.0000
rocket	0.5936	0.4064	0.5936	0.0042	0.5030
RT_IOT2022	0.9979	0.0006	0.9925	0.9971	0.0171
satimage	0.8694	0.0435	0.8694	0.8396	0.1844
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.9005	0.0995	0.9005	0.0504	0.3105
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5000	0.5000	0.5000	0.0000	0.9074
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.8766	0.1412	0.8601	0.7195	0.5447
segment	0.9610	0.0111	0.9610	0.9544	0.0475
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram	0.8608	0.1273	0.8906	0.0934	0.3701
sens-4-gram	0.8866	0.1330	0.8673	0.1033	0.5221
sensorless	0.9207	0.0144	0.9207	0.9128	0.0516
sepsis	0.9093	0.0907	0.9093	0.0000	0.2087
shoppers	0.8597	0.1403	0.8597	0.1598	0.3679
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9920	0.0080	0.9920	0.9345	0.1386
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0157	0.9689	0.9542	0.1702
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.4748	0.1751	0.4748	0.2916	0.2699
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9517	0.0301
spambase	0.9087	0.0913	0.9087	0.8054	0.3857
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5694	0.0179	0.5543	0.5468	0.1148
splice-EI	0.9653	0.0347	0.9653	0.9113	0.2604
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.8000	0.2000	0.8000	0.5402	0.6155
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8103	0.1897	0.8103	0.3116	0.7047
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8687	0.0875	0.8687	0.7853	0.2700
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.6872	0.3128	0.6872	0.1448	0.5892
steel-p	0.9282	0.0718	0.9282	0.2762	0.3858
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.6154	0.2564	0.6154	0.3981	0.5877
student-weekend	0.3077	0.2769	0.3077	0.0842	0.6973
student-workday	0.6719	0.1313	0.6719	0.1504	0.5611
susy10%	0.7943	0.2148	0.7785	0.5725	0.6638
swarm_aligned	1.0000	0.0000	0.9922	1.0000	0.0000
swarm_flocking	0.9968	0.0004	0.9963	0.9826	0.0046
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.8889	0.1111	0.8889	0.6786	0.5467
texture	0.9945	0.0010	0.9945	0.9940	0.0090
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8721	0.3093
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9230	0.0882	0.9217	0.7433	0.3973
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.5294	0.4706	0.5294	-0.0303	0.9755
toxicity-13f	0.7647	0.2353	0.7647	0.4848	0.7453
trains	1.0000	0.0000	1.0000	1.0000	0.0000
transfusion	0.7067	0.2933	0.7067	-0.0956	0.8451
trec11-wc	0.9024	0.0217	0.9024	0.8814	0.0893
trec12-wc	0.9355	0.0161	0.9355	0.9225	0.0387

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9697	0.0101	0.9697	0.9395	0.0867
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	1.0000	0.0000	1.0000	0.9977	0.0000
trec41-wc	0.9268	0.0136	0.9336	0.8998	0.0870
trec45-wc	0.9507	0.0114	0.9361	0.9443	0.0411
tuandromd	0.9843	0.0157	0.9843	0.9507	0.1231
turkish	0.8750	0.0625	0.8750	0.8333	0.1587
tvnews	0.8867	0.1138	0.8912	0.7319	0.4773
urban	0.8060	0.0431	0.8060	0.7751	0.1693
vehicle	0.8095	0.0952	0.8095	0.7414	0.2165
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5556	0.0808	0.5556	0.5111	0.2462
vowelZ	0.9798	0.0202	0.9798	0.8642	0.0715
vrnormat310k-hg16-17	0.9293	0.0822	0.9112	0.2035	0.3726
wap-wc	0.8268	0.0173	0.8277	0.8191	0.1271
warpar10p	0.9231	0.0154	0.9231	0.9133	0.0195
warppiel0p	1.0000	0.0000	1.0000	1.0000	0.0000
watch-acc10%	0.8233	0.0460	0.8223	0.8158	0.2202
watch-gyr10%	0.8552	0.0436	0.8361	0.8380	0.2076
waveform	0.8280	0.1147	0.8280	0.7421	0.3687
web-phishing	0.8222	0.1185	0.8222	0.6819	0.4028
weight-lift	0.9367	0.0238	0.9494	0.9290	0.1231
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9876	0.0124	0.9876	0.8735	0.3108
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5472	0.1509	0.5472	0.3208	0.6212
winequality-white	0.4131	0.1677	0.4131	0.2080	0.6213
winnipeg	0.9806	0.0049	0.9865	0.9930	0.0445
yale	0.7500	0.0333	0.7500	0.7311	0.0544
yeast	0.3446	0.1311	0.3446	0.2430	0.4272
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9730	0.0270	0.9730	0.3211	0.4991
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9419	0.0116	0.9419	0.9349	0.0901
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 187: Detailed results for LPBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1623	0.0593	0.1646	0.0777	0.5153
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9747	0.0253	0.9747	0.2574	0.5785
ads	0.1402	0.8598	0.1402	0.0000	0.3071
adult	0.8049	0.1951	0.8049	0.4598	0.7232
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8283	0.1145	0.8283	0.0361	0.6410
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9776	0.0224	0.9776	-0.0110	0.4850
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9871	0.0129	0.9871	0.1286	0.5083
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9492	0.0615
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9569	0.0108	0.9569	0.9282	0.0917
anuran-species	0.9625	0.0075	0.9625	0.9478	0.0651
aps-failure	0.9879	0.0121	0.9879	0.6506	0.4506
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6889	0.0479	0.6889	0.5224	0.2592
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7333	0.1535
avila	0.9569	0.0072	0.9569	0.9435	0.0660
balance	0.8065	0.1290	0.8065	0.6603	0.4081
bank	0.8893	0.1107	0.8893	0.4692	0.6494
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8364	0.1636	0.8364	0.6452	0.6094
basehock	0.9146	0.0854	0.9146	0.8292	0.3676
bio	0.9962	0.0038	0.9962	0.7827	0.3559
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9834	0.0008	0.9867	0.4161	0.1798
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5000	0.5000	0.5000	-0.1395	0.9404
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.6000	0.1143	0.6000	0.4286	0.2185
bub10at310k-hg16-17	0.8654	0.1346	0.8654	0.2290	0.6968
bze_3d_rdkit_descriptors	0.7317	0.2683	0.7317	0.2471	0.8153
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.8545	0.0291	0.8545	0.8258	0.1886
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8477	0.2521
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6748	0.3482
cas_N6512_cdk_ECFP2	0.7373	0.2627	0.7373	0.4705	0.7705
cdc_diabetes	0.3025	0.4650	0.3025	0.0319	0.4553
census10%	0.9255	0.0745	0.9255	0.3657	0.6319
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9186	0.0814	0.9186	0.1798	0.6596
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9186	0.0814	0.9186	0.4890	0.5993
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.0009	0.9991	0.0009	0.0000	0.0027
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6534	0.6013
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.6211	0.3789	0.6211	0.2440	0.8722
cirrhosis	0.7143	0.1905	0.7143	0.4286	0.5050
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7593	0.1204	0.7593	0.6360	0.4766
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.9000	0.1000	0.9000	0.3902	0.6445
cmc	0.4626	0.3583	0.4626	0.1861	0.7189
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0615
codon_usage	0.8465	0.0279	0.8465	0.8127	0.2202
coil20	0.9861	0.0014	0.9861	0.9854	0.0095
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9876	0.0083	0.9876	0.7171	0.3529
cottonmeloidogyne	0.6731	0.3269	0.6731	0.3463	0.8538
coupon	0.6916	0.3084	0.6916	0.3713	0.8349
covtype	0.9476	0.0150	0.9476	0.9158	0.1426
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3093	0.7760
crowdsourced	0.9115	0.0295	0.9115	0.8160	0.2407
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0904
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7403	0.2597	0.7403	0.2745	0.8066
deposit	0.8735	0.1265	0.8735	0.4081	0.6775
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.6189	0.6416
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5265	0.3157	0.5265	0.1233	0.7485
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5704	0.4357	0.5486	0.1105	0.9830
dropout	0.7043	0.1971	0.7043	0.5201	0.5720
drug-01	0.3245	0.1930	0.3245	0.0079	0.7532
drug-02	0.4255	0.1641	0.4255	0.1106	0.7748
drug-03	0.5798	0.1201	0.5798	0.0345	0.5441
drug-04	0.4149	0.1672	0.4149	0.1144	0.7109
drug-05	0.6649	0.0957	0.6649	0.0577	0.6321
drug-06	0.3298	0.1915	0.3298	0.1877	0.6882
drug-07	0.3830	0.1763	0.3830	0.0383	0.5807
drug-08	0.4468	0.1581	0.4468	0.0741	0.7598
drug-09	0.8191	0.0517	0.8191	0.1084	0.4904
drug-10	0.4947	0.1444	0.4947	0.1499	0.6947
drug-11	0.7979	0.0578	0.7979	0.1856	0.6296
drug-12	0.7181	0.0805	0.7181	0.0595	0.4281
drug-13	0.5372	0.1322	0.5372	0.1719	0.6397
drug-14	0.5479	0.1292	0.5479	0.2188	0.5436
drug-15	0.7500	0.0714	0.7500	0.1533	0.5385
drug-16	0.5213	0.1368	0.5213	0.2332	0.5826
drug-17	0.2606	0.2112	0.2606	0.0652	0.7918
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6755	0.0927	0.6755	0.0395	0.5208
drybean	0.9008	0.0283	0.9008	0.8801	0.1546
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.4606	0.0674	0.4606	0.4025	0.6160
eeg-eye	0.4493	0.5507	0.4493	0.0000	0.5305
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4362	0.7630
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4689	0.7211
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6575	0.1370	0.6575	0.5571	0.3767
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9663	0.0337	0.9663	0.9324	0.1990
fbis-wc	0.6992	0.0354	0.6992	0.6589	0.2949
fda.atompair_fp	0.5909	0.4091	0.5909	0.0198	0.9114
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.6000	0.1000	0.6000	0.5166	0.1846
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4853	0.0068	0.4778	0.4578	0.2792
forest	0.8846	0.0577	0.8846	0.8413	0.1888
gas	0.9827	0.0058	0.9827	0.9791	0.0414
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.5347	0.3102	0.5347	0.1027	0.7571
gene	0.9243	0.0505	0.9243	0.8780	0.2115
german	0.6900	0.3100	0.6900	0.3049	0.8513
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.8810	0.1190	0.8810	0.7531	0.4840
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.6000	0.4000	0.6000	-0.0227	0.9226
hapt	0.9204	0.0133	0.9204	0.9059	0.0923
har70	0.9002	0.0224	0.9068	0.8947	0.1167
harth10%	0.8590	0.0222	0.8770	0.8093	0.1568
hayes-roth	0.8125	0.1250	0.8125	0.7055	0.2844
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8127	0.1873	0.8127	0.6253	0.6400
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6474	0.3526	0.6474	0.2924	0.8833
higher	0.2857	0.1786	0.2857	0.1411	0.3516
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.5000	0.3333	0.5000	0.1462	0.7238
htru2	0.9609	0.0391	0.9609	0.7725	0.4289
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0008
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8357	0.0126	0.8357	0.8291	0.1317
jm1	0.6437	0.3563	0.6437	0.0865	0.7975
fvowels	0.9197	0.0178	0.9197	0.9090	0.1268
kc1	0.7678	0.2322	0.7678	0.2079	0.7673
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3000	0.0600
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.5962	0.4038	0.5962	0.1136	0.7759
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8856	0.0127	0.8856	0.8723	0.1488
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7492	0.0836	0.7492	0.6842	0.3894
la2s-wc	0.7649	0.0784	0.7649	0.7051	0.3352
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4118	0.0294	0.4118	0.3945	0.0964
led24	0.4500	0.1100	0.4500	0.3803	0.2269
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9215	0.0060	0.9215	0.9183	0.0888
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0747
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.6576	0.0622	0.6576	0.5678	0.5382
lrs	0.7547	0.0491	0.7547	0.6662	0.2289
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1200
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8122	0.1878	0.8122	0.5890	0.6621

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6979	0.3021	0.6979	0.3895	0.8204
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7822	0.1452	0.7822	0.6648	0.3821
messidor	0.6435	0.3565	0.6435	0.2696	0.8901
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8462	0.1492
meter-D	0.8889	0.0556	0.8889	0.8475	0.1019
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0951
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1915
mfeat-kar	0.9050	0.0190	0.9050	0.8944	0.1154
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2349
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0748
mfeat-zer	0.6800	0.0640	0.6800	0.6444	0.2308
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5930	0.3460
mobile	0.8182	0.0065	0.8182	0.8149	0.0801
monks-1	0.9455	0.0545	0.9455	0.8907	0.2185
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9464	0.0536	0.9464	0.8926	0.2736
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9754
mutagen_class_2	0.5735	0.4265	0.5735	0.1471	0.8485
mutagen_class_3	0.4783	0.5217	0.4783	-0.0350	0.9487
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8115
MUT_ci034254q_MACCS	0.4590	0.5410	0.4590	0.0000	0.5307
MUT_ci300400a	0.8095	0.1905	0.8095	0.6111	0.6512
MUT_ci300400a_cdk_ECFP2	0.7854	0.2146	0.7854	0.5621	0.6950
myocardial	0.8647	0.0338	0.8647	0.3288	0.2922
naticusdroid	0.5898	0.4102	0.5898	0.1784	0.7529
nci9	0.1667	0.1852	0.1667	0.0625	0.2131
ncRNA10%	0.9313	0.0072	0.9313	0.8126	0.5414
newspop	0.5832	0.4168	0.5832	0.1631	0.9431
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9518	0.0482	0.9518	0.8813	0.2861
NPHA-doctor-visits	0.4028	0.3981	0.4028	0.0468	0.8177
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9740	0.0932
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8218	0.0356	0.8218	0.7947	0.1577
oh10-wc	0.7429	0.0514	0.7429	0.7059	0.2306
oh15-wc	0.6413	0.0717	0.6413	0.5923	0.3422
oh5-wc	0.6154	0.0769	0.6154	0.5671	0.3552
opn310k	0.8649	0.1351	0.8649	0.2210	0.6985
opnat310k-hg16-17	0.8695	0.1305	0.8695	0.2208	0.7008
optdigits	0.9413	0.0117	0.9413	0.9347	0.0797
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8250	0.0088	0.8250	0.8205	0.0308
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.1935	0.6177
ozone8hr	0.8854	0.1146	0.8854	0.0068	0.7093
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9726	0.0110	0.9726	0.8573	0.4542

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	-0.3636	1.0000
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8627	0.1373	0.8627	0.6610	0.5806
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9279	0.0721	0.9279	0.3909	0.6055
pcmac	0.5015	0.4871	0.5109	-0.0087	1.0000
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.7647	0.0672	0.7647	0.7103	0.1835
pendigits	0.9691	0.0062	0.9691	0.9656	0.0506
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7629	0.2371	0.7629	0.4559	0.7511
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8960
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.3918	0.6082	0.3918	0.0000	0.5219
phoneme	0.8889	0.1111	0.8889	0.7296	0.5126
phy	0.6466	0.3534	0.6466	0.2931	0.8836
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.6449	0.0710	0.6449	0.3519	0.3998
polish-1st	0.9218	0.0782	0.9218	0.0580	0.5999
polish-2nd	0.8751	0.1249	0.8751	0.0041	0.4920
polish-3rd	0.8990	0.1010	0.8990	0.0009	0.6149
polish-4th	0.8776	0.1224	0.8776	0.1513	0.5853
polish-5th	0.8900	0.1100	0.8900	0.1577	0.6776
polya	0.6941	0.3059	0.6941	0.3220	0.8447
popularity	0.5677	0.2882	0.5677	0.1390	0.7018
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9739	0.0104	0.9739	0.9673	0.0634
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3333	0.0606	0.3333	0.2696	0.2325
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9863	0.0055	0.9863	0.9816	0.0431
pufs-6410%	0.5017	0.4983	0.5017	0.0033	0.9991
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.7400	0.0400	0.7400	0.6705	0.3806
re1-wc	0.8133	0.0149	0.8133	0.7869	0.1814
rejafada	0.9548	0.0452	0.9548	0.1603	0.6044
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9505	0.0797
rocket	0.6401	0.3599	0.6401	0.2581	0.8925
RT_IOT2022	0.9947	0.0009	0.9947	0.9867	0.0106
satimage	0.8663	0.0446	0.8663	0.8353	0.2200
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9222	0.0778	0.9222	0.5779	0.5779
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9990	0.0010	0.9990	0.9980	0.0109
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.1561	0.6642
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.7711	0.2289	0.7711	0.0837	0.7605
sens-3-gram	0.7789	0.2211	0.7789	0.0942	0.7635
sens-4-gram	0.7684	0.2316	0.7684	0.0511	0.7670
sensorless	0.9920	0.0015	0.9920	0.9912	0.0155
sepsis	0.5976	0.4024	0.5976	0.0321	0.4927
shoppers	0.8670	0.1330	0.8670	0.4831	0.6616
shuttle	0.9995	0.0001	0.9995	0.9985	0.0157
sick	0.9629	0.0371	0.9629	0.6625	0.4011
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.2077	0.7923	0.2077	0.0000	0.3990
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.6619	0.1127	0.6619	0.5740	0.3148
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9000	0.1000	0.9000	0.7921	0.4431
spect	0.2222	0.7778	0.2222	0.0000	0.4150
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.3962	0.0252	0.3962	0.3695	0.1873
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles	0.6800	0.3200	0.6800	0.3429	0.8319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7795	0.2205	0.7795	0.3644	0.7631
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8967	0.0689	0.8967	0.8315	0.2393
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.2462	0.3015	0.2462	-0.0311	0.7416
student-workday	0.6250	0.1500	0.6250	0.0577	0.5940
susy10%	0.7164	0.2836	0.7164	0.4289	0.8005
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0070
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9636	0.0066	0.9636	0.9599	0.0495
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.1282	0.7808
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6930	0.5355
titanic	0.4636	0.5364	0.4636	0.0684	0.8005
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5278	0.3594
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	0.0814	0.8638
trec11-wc	0.7073	0.0650	0.7073	0.6298	0.2519
trec12-wc	0.6452	0.0887	0.6452	0.5611	0.2218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5541	0.2248
trec23-wc	0.8095	0.0635	0.8095	0.7246	0.1362
trec31-wc	0.8925	0.0307	0.8925	0.8566	0.1401
trec41-wc	0.7955	0.0409	0.7955	0.7457	0.2060
trec45-wc	0.7246	0.0551	0.7246	0.6791	0.2697
tuandromd	0.9709	0.0291	0.9709	0.9068	0.1872
turkish	0.6500	0.1750	0.6500	0.5333	0.4514
tvnews	0.9309	0.0691	0.9309	0.8490	0.3314
urban	0.8209	0.0398	0.8209	0.7896	0.1465
vehicle	0.7738	0.1131	0.7738	0.6961	0.2664
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4545	0.0992	0.4545	0.4000	0.2674
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8766	0.1234	0.8766	0.2760	0.6897
wap-wc	0.7115	0.0288	0.7115	0.6777	0.1998
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0999
warppie10p	0.9524	0.0095	0.9524	0.9471	0.0265
watch-acc10%	0.9763	0.0068	0.9763	0.9723	0.0451
watch-gyr10%	0.9277	0.0207	0.9277	0.9155	0.0840
waveform	0.7180	0.1880	0.7180	0.5769	0.5380
web-phishing	0.5630	0.2914	0.5630	0.2676	0.4121
weight-lift	0.9883	0.0047	0.9883	0.9852	0.0330
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6226	0.1258	0.6226	0.3927	0.5591
winequality-white	0.6339	0.1046	0.6339	0.4385	0.4772
winnipeg	0.9924	0.0022	0.9924	0.9904	0.0246
yale	0.6875	0.0417	0.6875	0.6653	0.0797
yeast	0.5743	0.0851	0.5743	0.4509	0.3629
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9258	0.0148	0.9258	0.9168	0.1119
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 188: Detailed results for LPBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1634	0.0567	0.1592	0.0774	0.5116
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9747	0.0253	0.9747	0.2574	0.5785
ads	0.8598	0.1402	0.8598	0.0000	0.2812
adult	0.8051	0.1949	0.8051	0.4599	0.7230
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8586	0.0943	0.8586	-0.0267	0.5504
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9776	0.0224	0.9776	-0.0110	0.4850
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9871	0.0129	0.9871	0.1286	0.5083
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0814
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9346	0.0163	0.9346	0.8887	0.1136
anuran-species	0.9403	0.0119	0.9403	0.9170	0.0817
aps-failure	0.9879	0.0121	0.9879	0.6506	0.4506
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6000	0.0615	0.6000	0.4113	0.3235
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8022	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9248	0.0125	0.9248	0.9004	0.0993
balance	0.7581	0.1613	0.7581	0.5981	0.3810
bank	0.8893	0.1107	0.8893	0.4692	0.6494
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8364	0.1636	0.8364	0.6452	0.6094
basehock	0.9146	0.0854	0.9146	0.8292	0.3676
bio	0.9962	0.0038	0.9962	0.7827	0.3559
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	1.0000	0.0008	0.9747	0.4141	0.1803
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5000	0.5000	0.5000	-0.1395	0.9404
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7708	0.0946
bridges	0.7000	0.0857	0.7000	0.5946	0.1534
bub10at310k-hg16-17	0.8656	0.1344	0.8656	0.2294	0.6968
bze_3d_rdkit_descriptors	0.7317	0.2683	0.7317	0.2471	0.8153
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9425	0.0287	0.9425	0.8788	0.1992
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.8357	0.0329	0.8357	0.8032	0.1995
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8194	0.2300
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4059	0.4861
cas_N6512_cdk_ECFP2	0.7373	0.2627	0.7373	0.4705	0.7705
cdc_diabetes	0.4932	0.3379	0.4932	0.1087	0.5339
census10%	0.9255	0.0745	0.9255	0.3657	0.6319
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9186	0.0814	0.9186	0.1798	0.6596
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
chrom19	0.9991	0.0009	0.9991	0.0000	0.0052
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6534	0.6013
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.5895	0.4105	0.5895	0.1683	0.9137
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7537	0.1231	0.7537	0.6277	0.5037
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5000	0.3333	0.5000	0.2500	0.6132
cm1	0.9000	0.1000	0.9000	0.3902	0.6445
cmc	0.4286	0.3810	0.4286	0.1231	0.7922
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1108
codon_usage	0.8012	0.0361	0.8012	0.7552	0.2326
coil20	0.9167	0.0083	0.9167	0.9123	0.0495
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.7097	0.1935	0.7097	0.5365	0.3163
connect-4	0.9896	0.0069	0.9896	0.7890	0.3278
cottonmeloidogyne	0.6731	0.3269	0.6731	0.3463	0.8538
coupon	0.6909	0.3091	0.6909	0.3687	0.8362
covtype	0.9427	0.0164	0.9427	0.9079	0.1208
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3093	0.7760
crowdsourced	0.8839	0.0387	0.8839	0.7651	0.3422
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2603	0.1589
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7407	0.2593	0.7407	0.2758	0.8060
deposit	0.8735	0.1265	0.8735	0.4081	0.6775
dermatology	0.9189	0.0270	0.9189	0.8984	0.0887
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6441	0.6171
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5344	0.3104	0.5344	0.0830	0.6773
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5470	0.4462	0.5606	0.1133	0.9411
dropout	0.6817	0.2122	0.6817	0.4842	0.5504
drug-01	0.3830	0.1763	0.3830	0.0854	0.7389
drug-02	0.3723	0.1793	0.3723	0.1297	0.7004
drug-03	0.6330	0.1049	0.6330	0.0336	0.6310
drug-04	0.3457	0.1869	0.3457	0.1013	0.7435
drug-05	0.6862	0.0897	0.6862	0.0001	0.7053
drug-06	0.2979	0.2006	0.2979	0.1340	0.6819
drug-07	0.3511	0.1854	0.3511	-0.0249	0.5501
drug-08	0.5213	0.1368	0.5213	0.1542	0.5758
drug-09	0.8298	0.0486	0.8298	0.0342	0.4815
drug-10	0.4894	0.1459	0.4894	0.0672	0.6651
drug-11	0.8032	0.0562	0.8032	0.1143	0.5119
drug-12	0.7074	0.0836	0.7074	-0.0382	0.6746
drug-13	0.5319	0.1337	0.5319	0.1261	0.7451
drug-14	0.5319	0.1337	0.5319	0.1501	0.6323
drug-15	0.6809	0.0912	0.6809	0.0105	0.6754
drug-16	0.4840	0.1474	0.4840	0.1145	0.6100
drug-17	0.2394	0.2173	0.2394	0.0948	0.7166
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7181	0.0805	0.7181	0.0928	0.7390
drybean	0.8648	0.0386	0.8648	0.8372	0.1974
ecoli	0.8235	0.0441	0.8235	0.7469	0.1276
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.3171	0.0854	0.3171	0.2622	0.6540
eeg-eye	0.5507	0.4493	0.5507	0.0000	0.5178
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4362	0.7630
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4689	0.7211
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.5753	0.1699	0.5753	0.4422	0.4218
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9663	0.0337	0.9663	0.9324	0.1992
fbis-wc	0.6626	0.0397	0.6626	0.6242	0.2782
fda.atompair_fp	0.5909	0.4091	0.5909	0.0198	0.9114
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.8000	0.0500	0.8000	0.7436	0.1112
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4801	0.0067	0.4834	0.4463	0.2854
forest	0.7885	0.1058	0.7885	0.7079	0.2970
gas	0.9770	0.0077	0.9770	0.9721	0.0504
gastrointestinal	0.7500	0.1667	0.7500	0.5556	0.2576
gender	0.5116	0.3256	0.5116	0.1113	0.7665
gene	0.8707	0.0862	0.8707	0.7964	0.3147
german	0.6900	0.3100	0.6900	0.3049	0.8513
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7143	0.0952	0.7143	0.5935	0.2614
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7510	0.4680
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4667	0.2667	0.4667	0.2547	0.5873
haberman	0.6000	0.4000	0.6000	-0.0227	0.9226
hapt	0.8920	0.0180	0.8920	0.8732	0.1522
har70	0.9082	0.0225	0.9330	0.8928	0.1156
harth10%	0.8500	0.0219	0.8810	0.8174	0.1584
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8126	0.1874	0.8126	0.6252	0.6401
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6474	0.3526	0.6474	0.2924	0.8832
higher	0.0714	0.2321	0.0714	-0.0898	0.4961
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.5556	0.2963	0.5556	0.3069	0.5903
htru2	0.9609	0.0391	0.9609	0.7725	0.4289
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0007
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0596
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6855	0.0242	0.6855	0.6729	0.2148
jm1	0.7071	0.2929	0.7071	0.1497	0.8146
fvowels	0.8815	0.0263	0.8815	0.8658	0.1516
kc1	0.7393	0.2607	0.7393	0.1665	0.7631
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.1429	0.1521
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.5962	0.4038	0.5962	0.1136	0.7759
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8463	0.0171	0.8463	0.8289	0.2281
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7460	0.0847	0.7460	0.6876	0.3522
la2s-wc	0.7318	0.0894	0.7318	0.6686	0.3481
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5401	0.1127
led24	0.4500	0.1100	0.4500	0.3855	0.2120
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8480	0.0117	0.8480	0.8419	0.1321
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6119	0.1724
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.6598	0.0618	0.6598	0.5768	0.5562
lrs	0.7925	0.0415	0.7925	0.7181	0.1969
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1952
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0208
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8122	0.1878	0.8122	0.5890	0.6621

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6979	0.3021	0.6979	0.3895	0.8204
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7525	0.1650	0.7525	0.6235	0.4810
messidor	0.6435	0.3565	0.6435	0.2696	0.8901
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.0948
meter-D	0.7778	0.1111	0.7778	0.6949	0.2245
mfeat-fac	0.8950	0.0210	0.8950	0.8833	0.1066
mfeat-fou	0.6700	0.0660	0.6700	0.6333	0.2645
mfeat-kar	0.8150	0.0370	0.8150	0.7944	0.1795
mfeat-mor	0.6650	0.0670	0.6650	0.6278	0.2386
mfeat-pix	0.8850	0.0230	0.8850	0.8722	0.1185
mfeat-zer	0.6450	0.0710	0.6450	0.6056	0.2816
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4412	0.2235	0.4412	0.3031	0.5171
mobile	0.5385	0.0165	0.5385	0.5296	0.2113
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9754
mutagen_class_2	0.5735	0.4265	0.5735	0.1471	0.8485
mutagen_class_3	0.4783	0.5217	0.4783	-0.0350	0.9487
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8115
MUT_ci034254q_MACCS	0.5410	0.4590	0.5410	0.0000	0.5205
MUT_ci300400a	0.8070	0.1930	0.8070	0.6063	0.6559
MUT_ci300400a_cdk_ECFP2	0.7854	0.2146	0.7854	0.5621	0.6950
myocardial	0.8706	0.0324	0.8706	0.4241	0.2952
naticusdroid	0.5898	0.4102	0.5898	0.1784	0.7529
nci9	0.3333	0.1481	0.3333	0.2000	0.2131
ncRNA10%	0.9045	0.0101	0.9045	0.7386	0.7929
newspop	0.5832	0.4168	0.5832	0.1631	0.9431
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9518	0.0482	0.9518	0.8813	0.2861
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0028	0.8352
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9740	0.0932
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0149
oh0-wc	0.6832	0.0634	0.6832	0.6433	0.2384
oh10-wc	0.6000	0.0800	0.6000	0.5456	0.2859
oh15-wc	0.6413	0.0717	0.6413	0.5997	0.2611
oh5-wc	0.6264	0.0747	0.6264	0.5834	0.2606
opn310k	0.8644	0.1356	0.8644	0.2186	0.6988
opnat310k-hg16-17	0.8697	0.1303	0.8697	0.2212	0.7008
optdigits	0.8861	0.0228	0.8861	0.8735	0.1240
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.5500	0.0225	0.5500	0.5385	0.0932
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.1935	0.6177
ozone8hr	0.8854	0.1146	0.8854	0.0068	0.7093
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9726	0.0110	0.9726	0.8511	0.2605

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	-0.3636	1.0000
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8597	0.1403	0.8597	0.6550	0.5881
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9279	0.0721	0.9279	0.3909	0.6055
pcmac	0.5102	0.4875	0.5173	-0.0084	1.0000
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.8529	0.0420	0.8529	0.8211	0.1313
pendigits	0.9490	0.0102	0.9490	0.9433	0.0713
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4697	0.7432
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8960
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.6082	0.3918	0.6082	0.0000	0.4963
phoneme	0.8889	0.1111	0.8889	0.7296	0.5126
phy	0.6472	0.3528	0.6472	0.2943	0.8829
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.6116	0.0777	0.6116	0.2722	0.5683
polish-1st	0.9218	0.0782	0.9218	0.0580	0.5999
polish-2nd	0.8741	0.1259	0.8741	0.0313	0.4900
polish-3rd	0.8981	0.1019	0.8981	-0.0172	0.6143
polish-4th	0.8929	0.1071	0.8929	0.1679	0.6124
polish-5th	0.8900	0.1100	0.8900	0.1577	0.6776
polya	0.6941	0.3059	0.6941	0.3230	0.8446
popularity	0.5387	0.3075	0.5387	0.1579	0.6508
post-operative	0.2222	0.5185	0.2222	-0.6154	0.4863
postures	0.9536	0.0185	0.9536	0.9420	0.0951
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3030	0.0634	0.3030	0.2372	0.2499
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9819	0.0072	0.9819	0.9757	0.0448
pufs-6410%	0.5017	0.4983	0.5017	0.0033	0.9991
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.6333	0.0564	0.6333	0.5229	0.4421
re1-wc	0.7470	0.0202	0.7470	0.7163	0.2054
rejafada	0.9548	0.0452	0.9548	0.1603	0.6044
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9508	0.0598
rocket	0.6401	0.3599	0.6401	0.2597	0.8916
RT_IOT2022	0.9975	0.0004	0.9975	0.9937	0.0107
satimage	0.8491	0.0503	0.8491	0.8136	0.2207
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9207	0.0793	0.9207	0.5723	0.5833
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9990	0.0010	0.9990	0.9980	0.0109
segment	0.9437	0.0161	0.9437	0.9342	0.0781
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.1561	0.6642
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.7711	0.2289	0.7711	0.0837	0.7605
sens-3-gram	0.7789	0.2211	0.7789	0.0942	0.7635
sens-4-gram	0.7684	0.2316	0.7684	0.0511	0.7670
sensorless	0.9891	0.0020	0.9891	0.9880	0.0196
sepsis	0.5528	0.4472	0.5528	0.0270	0.4671
shoppers	0.8670	0.1330	0.8670	0.4786	0.6618
shuttle	0.9962	0.0011	0.9962	0.9893	0.0799
sick	0.9629	0.0371	0.9629	0.6625	0.4011
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.7923	0.2077	0.7923	0.0000	0.3603
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.6403	0.1199	0.6403	0.5529	0.3427
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9412	0.0062	0.9412	0.9355	0.0325
spambase	0.9000	0.1000	0.9000	0.7921	0.4431
spect	0.7778	0.2222	0.7778	0.0000	0.3750
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.4528	0.0228	0.4528	0.4215	0.1669
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles	0.6800	0.3200	0.6800	0.3429	0.8319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7795	0.2205	0.7795	0.3644	0.7631
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9004	0.0664	0.9004	0.8376	0.2326
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3077	0.4615	0.3077	-0.1038	0.7596
student-weekend	0.4154	0.2338	0.4154	0.1886	0.6923
student-workday	0.7031	0.1187	0.7031	0.1239	0.3329
susy10%	0.7165	0.2835	0.7165	0.4291	0.8003
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0070
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4790
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9273	0.0132	0.9273	0.9198	0.0803
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.1282	0.7808
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6930	0.5355
titanic	0.4636	0.5364	0.4636	0.0684	0.8005
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.5882	0.2059	0.5882	0.4413	0.3184
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	0.0814	0.8638
trec11-wc	0.5610	0.0976	0.5610	0.4770	0.3312
trec12-wc	0.7097	0.0726	0.7097	0.6314	0.1935

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4565	0.2567
trec23-wc	0.8095	0.0635	0.8095	0.7316	0.2015
trec31-wc	0.9247	0.0215	0.9247	0.8976	0.0767
trec41-wc	0.8636	0.0273	0.8636	0.8376	0.1245
trec45-wc	0.7391	0.0522	0.7391	0.6935	0.2043
tuandromd	0.9709	0.0291	0.9709	0.9068	0.1872
turkish	0.7500	0.1250	0.7500	0.6667	0.3458
tvnews	0.9311	0.0689	0.9311	0.8494	0.3310
urban	0.7164	0.0630	0.7164	0.6677	0.2406
vehicle	0.7619	0.1190	0.7619	0.6753	0.2894
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.3737	0.1139	0.3737	0.3111	0.3111
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8769	0.1231	0.8769	0.2747	0.6901
wap-wc	0.6410	0.0359	0.6410	0.6061	0.2124
warpar10p	0.6154	0.0769	0.6154	0.5667	0.1104
warppie10p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9698	0.0086	0.9698	0.9647	0.0578
watch-gyr10%	0.9695	0.0087	0.9695	0.9644	0.0574
waveform	0.7340	0.1773	0.7340	0.6008	0.4766
web-phishing	0.5111	0.3259	0.5111	0.3036	0.3402
weight-lift	0.9901	0.0040	0.9901	0.9874	0.0250
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0380
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6541	0.1153	0.6541	0.4336	0.3653
winequality-white	0.6401	0.1028	0.6401	0.4364	0.4091
winnipeg	0.9881	0.0034	0.9881	0.9850	0.0351
yale	0.3125	0.0917	0.3125	0.2667	0.2518
yeast	0.5270	0.0946	0.5270	0.3865	0.3497
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8559	0.0288	0.8559	0.8386	0.1675
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 189: Detailed results for MLPBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1640	0.0583	0.1626	0.0769	0.5093
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.9041	0.0959	0.9041	0.1718	0.6407
accelerometer	0.9728	0.0272	0.9728	0.2426	0.5785
ads	0.9665	0.0335	0.9665	0.8597	0.2996
adult	0.8063	0.1937	0.8063	0.4652	0.7204
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7048	0.2952	0.7048	0.0240	0.8353
AID362red	0.9836	0.0164	0.9836	0.2149	0.5259
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9062	0.0938	0.9062	0.1360	0.5750
AID604	0.9997	0.0003	0.9997	0.9537	0.0020
AID604AID644_AllRed	0.9983	0.0017	0.9983	0.1658	0.5310
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.7980	0.1347	0.7980	-0.0820	0.6412
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9779	0.0221	0.9779	-0.0108	0.4896
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9865	0.0135	0.9865	0.1226	0.4971
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9524	0.0790
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9764	0.0118	0.9764	0.9546	0.0543
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9611	0.0097	0.9611	0.9351	0.0642
anuran-species	0.9625	0.0075	0.9625	0.9478	0.0677
aps-failure	0.9883	0.0117	0.9883	0.6582	0.4388
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7111	0.0444	0.7111	0.5631	0.2488
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7333	0.1535
avila	0.9583	0.0069	0.9583	0.9454	0.0583
balance	0.8065	0.1290	0.8065	0.6603	0.4081
bank	0.8881	0.1119	0.8881	0.4648	0.6516
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8065	0.1935	0.8065	0.5809	0.6703
basehock	0.9045	0.0955	0.9045	0.8092	0.3617
bio	0.9960	0.0040	0.9960	0.7736	0.3733
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9808	0.0008	0.9797	0.4211	0.1878
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5714	0.4286	0.5714	0.0870	0.8810
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.7000	0.0857	0.7000	0.5714	0.1715
bub10at310k-hg16-17	0.8654	0.1346	0.8654	0.2331	0.6958
bze_3d_rdkit_descriptors	0.7073	0.2927	0.7073	0.1458	0.8485
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9710	0.0290	0.9710	0.9373	0.1858
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.8592	0.0282	0.8592	0.8313	0.1856
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8477	0.2521
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7270	0.3192
cas_N6512_cdk_ECFP2	0.7327	0.2673	0.7327	0.4624	0.7772
cdc_diabetes	0.8602	0.0990	0.8372	0.1542	0.2814
census10%	0.9245	0.0755	0.9245	0.3555	0.6341
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8953	0.1047	0.8953	0.1264	0.6495
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9983	0.0002	1.0000	0.9056	0.0684
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.5895	0.4105	0.5895	0.1683	0.9137
cirrhosis	0.6905	0.2063	0.6905	0.3865	0.5337
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8408	0.0906	0.8125	0.7050	0.3220
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8400	0.1600	0.8400	0.2453	0.6924
cmc	0.5306	0.3129	0.5306	0.2653	0.7209
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0615
codon_usage	0.8488	0.0275	0.8488	0.8155	0.2194
coil20	0.9792	0.0021	0.9792	0.9781	0.0117
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7586	0.2414	0.7586	0.4587	0.7218
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.5517	0.4483	0.5517	0.0959	0.9600
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9877	0.0082	0.9877	0.7205	0.3527
cottonmeloidogyne	0.6755	0.3245	0.6755	0.3508	0.8512
coupon	0.6916	0.3084	0.6916	0.3708	0.8351
covtype	0.9471	0.0151	0.9471	0.9150	0.1428
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3093	0.7760
crowdsourced	0.9180	0.0273	0.9180	0.8297	0.2327
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3260	0.0902
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8148	0.1852	0.8148	0.6255	0.6355
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7447	0.2553	0.7447	0.2840	0.8032
deposit	0.8744	0.1256	0.8744	0.4169	0.6747
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.8667	0.1333	0.8667	0.7333	0.5209
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.6189	0.6416
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5236	0.3176	0.5236	0.1222	0.7548
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6667	0.3333	0.6667	0.3143	0.8654
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5480	0.4525	0.5488	0.1131	0.9396
dropout	0.6907	0.2062	0.6907	0.5005	0.5863
drug-01	0.3138	0.1960	0.3138	-0.0052	0.7630
drug-02	0.4149	0.1672	0.4149	0.1051	0.7857
drug-03	0.5745	0.1216	0.5745	0.0162	0.5415
drug-04	0.4043	0.1702	0.4043	0.1030	0.7185
drug-05	0.6649	0.0957	0.6649	0.0257	0.6228
drug-06	0.3085	0.1976	0.3085	0.1613	0.6984
drug-07	0.3883	0.1748	0.3883	0.0342	0.5619
drug-08	0.4468	0.1581	0.4468	0.0775	0.7569
drug-09	0.8138	0.0532	0.8138	0.0829	0.4603
drug-10	0.5106	0.1398	0.5106	0.1722	0.7651
drug-11	0.7979	0.0578	0.7979	0.1860	0.6239
drug-12	0.7447	0.0729	0.7447	0.1142	0.4156
drug-13	0.5266	0.1353	0.5266	0.1505	0.5821
drug-14	0.5479	0.1292	0.5479	0.2236	0.5451
drug-15	0.7394	0.0745	0.7394	0.1278	0.4959
drug-16	0.5266	0.1353	0.5266	0.2414	0.5697
drug-17	0.2553	0.2128	0.2553	0.0585	0.8117
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6862	0.0897	0.6862	0.0993	0.5268
drybean	0.8979	0.0292	0.8979	0.8766	0.1587
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.4022	0.0747	0.4022	0.3404	0.6394
eeg-eye	0.8719	0.1315	0.8818	0.7412	0.5113
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7377	0.2623	0.7377	0.4056	0.7899
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5114	0.6808
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6301	0.1479	0.6301	0.5224	0.4100
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9663	0.0337	0.9663	0.9325	0.1989
fbis-wc	0.6789	0.0378	0.6789	0.6359	0.3075
fda.atompair_fp	0.5909	0.4091	0.5909	0.0198	0.9114
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.6000	0.1000	0.6000	0.5166	0.1846
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4833	0.0067	0.4871	0.4527	0.2853
forest	0.8654	0.0673	0.8654	0.8152	0.2188
gas	0.9813	0.0062	0.9813	0.9773	0.0434
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.5389	0.3074	0.5389	0.1118	0.7543
gene	0.9211	0.0526	0.9211	0.8736	0.2288
german	0.6800	0.3200	0.6800	0.2677	0.8638
gina	0.8703	0.1297	0.8703	0.7407	0.5108
glass	0.7143	0.0952	0.7143	0.5962	0.2628
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8710	0.2846
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7531	0.4840
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.6333	0.3667	0.6333	0.0984	0.8913
hapt	0.9222	0.0130	0.9222	0.9081	0.0911
har70	0.9255	0.0234	0.9340	0.8758	0.1166
harth10%	0.8588	0.0215	0.8789	0.8070	0.1597
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5294	0.4706	0.5294	0.1053	0.9033
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8125	0.1875	0.8125	0.6249	0.6404
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.6467	0.3533	0.6467	0.2909	0.8841
higher	0.3571	0.1607	0.3571	0.2270	0.2867
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.5278	0.3148	0.5278	0.1851	0.7071
htru2	0.9609	0.0391	0.9609	0.7749	0.4326
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0008
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.6102	0.3898	0.6102	-0.0414	0.9436
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6893	0.0239	0.6893	0.6769	0.1791
jm1	0.8228	0.1874	0.8073	0.1155	0.4705
fvowels	0.9217	0.0174	0.9217	0.9113	0.1249
kc1	0.8341	0.1659	0.8341	0.3472	0.7266
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1327	0.1313
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8654	0.1346	0.8654	0.5517	0.5823
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7679	0.0259	0.7723	0.7530	0.2489
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7524	0.0825	0.7524	0.6890	0.3862
la2s-wc	0.7815	0.0728	0.7815	0.7257	0.3321
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.3235	0.0338	0.3235	0.3122	0.1881
led24	0.5000	0.1000	0.5000	0.4366	0.2059
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9240	0.0058	0.9240	0.9209	0.0859
leukemia	0.7143	0.1905	0.7143	0.5882	0.2985
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8212	0.0762
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.7171	0.0511	0.7149	0.6282	0.3547
lrs	0.7925	0.0415	0.7925	0.7178	0.1958
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6769	0.1268
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6000	0.5944
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7385	0.2615	0.7385	0.4769	0.7676
magic04	0.8106	0.1894	0.8106	0.5857	0.6651

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5636	0.6896
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7740	0.3393
messidor	0.6348	0.3652	0.6348	0.2465	0.8983
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7662	0.1989
meter-D	0.9444	0.0278	0.9444	0.9234	0.0743
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0828
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1830
mfeat-kar	0.9050	0.0190	0.9050	0.8944	0.1152
mfeat-mor	0.6600	0.0680	0.6600	0.6222	0.2411
mfeat-pix	0.9250	0.0150	0.9250	0.9167	0.0945
mfeat-zer	0.6750	0.0650	0.6750	0.6389	0.2458
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5935	0.3298
mobile	0.8147	0.0066	0.8147	0.8113	0.0843
monks-1	0.9455	0.0545	0.9455	0.8907	0.2185
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9464	0.0536	0.9464	0.8926	0.2736
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.8048	0.3691
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9717
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.5260
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7929
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1464	0.9478
MUT_ci300400a	0.8070	0.1930	0.8070	0.6066	0.6558
MUT_ci300400a_cdk_ECFP2	0.6019	0.3999	0.5977	0.0318	0.5346
myocardial	0.8765	0.0309	0.8765	0.3871	0.2195
naticusdroid	0.9652	0.0348	0.9652	0.9304	0.2033
nci9	0.3333	0.1481	0.3333	0.2258	0.1175
ncRNA10%	0.8995	0.0096	0.9001	0.7313	0.2049
newspop	0.5838	0.4162	0.5838	0.1645	0.9426
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9524	0.0476	0.9524	0.8826	0.2821
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0746	0.8121
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9767	0.0855
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8020	0.0396	0.8020	0.7724	0.1869
oh10-wc	0.7048	0.0590	0.7048	0.6622	0.2381
oh15-wc	0.6957	0.0609	0.6957	0.6533	0.2776
oh5-wc	0.6264	0.0747	0.6264	0.5781	0.3568
opn310k	0.8645	0.1355	0.8645	0.2153	0.6997
opnat310k-hg16-17	0.8691	0.1309	0.8691	0.2257	0.6995
optdigits	0.9466	0.0107	0.9466	0.9407	0.0763
optdigitsZ	0.9929	0.0071	0.9929	0.9561	0.1305
orl	0.8250	0.0088	0.8250	0.8205	0.0308
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	0.2088	0.6180
ozone8hr	0.8775	0.1225	0.8775	-0.0033	0.7089
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8989	0.1776

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8637	0.1363	0.8637	0.6632	0.5781
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9099	0.0901	0.9099	0.3265	0.6546
pcmac	0.4948	0.5052	0.4948	-0.0570	1.0000
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.7353	0.0756	0.7353	0.6839	0.1986
pendigits	0.9700	0.0060	0.9700	0.9666	0.0501
period	0.7778	0.2222	0.7778	0.5714	0.5000
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7629	0.2371	0.7629	0.4559	0.7511
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9633	0.0367	0.9633	0.9234	0.2219
phoneme	0.8907	0.1093	0.8907	0.7336	0.5072
phy	0.6448	0.3552	0.6448	0.2896	0.8856
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.6447	0.0711	0.6447	0.3515	0.4074
polish-1st	0.9922	0.0210	0.9630	0.6122	0.0717
polish-2nd	0.9746	0.0322	0.9579	0.3274	0.0966
polish-3rd	0.9067	0.0933	0.9067	-0.0098	0.6334
polish-4th	0.9656	0.0317	0.9557	0.6151	0.3317
polish-5th	0.8934	0.1066	0.8934	0.1650	0.6787
polya	0.7027	0.2973	0.7027	0.3376	0.8342
popularity	0.5654	0.2897	0.5654	0.1349	0.7098
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9758	0.0097	0.9758	0.9697	0.0595
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3939	0.0551	0.3939	0.3360	0.2258
profb	0.5522	0.4478	0.5522	0.0510	0.9317
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9865	0.0054	0.9865	0.9819	0.0435
pufs-6410%	0.5019	0.4981	0.5019	0.0037	0.9989
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.7333	0.0410	0.7333	0.6606	0.3682
re1-wc	0.7831	0.0173	0.7831	0.7539	0.2002
rejafada	0.9548	0.0452	0.9548	0.1603	0.6044
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9670	0.0504
rocket	0.6415	0.3585	0.6415	0.2631	0.8899
RT_IOT2022	0.9977	0.0004	0.9977	0.9943	0.0130
satimage	0.8694	0.0435	0.8694	0.8390	0.2132
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9222	0.0778	0.9222	0.5662	0.5758
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9990	0.0010	0.9990	0.9980	0.0109
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8915	0.1085	0.8915	0.1641	0.6673
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7632	0.2368	0.7632	0.0447	0.7646
sens-2-gram	0.7684	0.2316	0.7684	0.0803	0.7594
sens-3-gram	0.7816	0.2184	0.7816	0.0831	0.7682
sens-4-gram	0.7553	0.2447	0.7553	0.0205	0.7642
sensorless	0.9921	0.0014	0.9921	0.9913	0.0152
sepsis	0.9129	0.0896	0.8886	0.0000	0.2093
shoppers	0.8678	0.1322	0.8678	0.4829	0.6599
shuttle	1.0000	0.0001	1.0000	0.9950	0.0142
sick	0.9655	0.0345	0.9655	0.6930	0.3904
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0004	0.9958	0.9890	0.0101
smk_can_187	0.6842	0.3158	0.6842	0.3804	0.7358
solar-flare	0.7626	0.0791	0.7626	0.6979	0.2146
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9239	0.0761	0.9239	0.8404	0.3651
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.5283	0.0197	0.5283	0.5039	0.1326
splice-EI	0.9527	0.0473	0.9527	0.8741	0.2976
splice-IE	0.9085	0.0915	0.9085	0.7502	0.4814
sport-articles	0.6900	0.3100	0.6900	0.3600	0.8245
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7795	0.2205	0.7795	0.3534	0.7680
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8987	0.0675	0.8987	0.8348	0.2369
steel-k	0.9744	0.0256	0.9744	0.9206	0.1989
steel-o	0.8103	0.1897	0.8103	0.5865	0.6655
steel-p	0.9282	0.0718	0.9282	0.5234	0.5906
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.2615	0.2954	0.2615	-0.0136	0.7465
student-workday	0.6406	0.1437	0.6406	0.1149	0.5840
susy10%	0.7172	0.2828	0.7172	0.4307	0.7992
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9600	0.0073	0.9600	0.9559	0.0535
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.1282	0.7808
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6917	0.5343
titanic	0.8136	0.1864	0.8136	0.5021	0.4299
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.5882	0.2059	0.5882	0.4439	0.4007
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0060	0.9006
trec11-wc	0.7561	0.0542	0.7561	0.6943	0.2234
trec12-wc	0.6774	0.0806	0.6774	0.5932	0.1774

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7167	0.0807
trec23-wc	0.8095	0.0635	0.8095	0.7246	0.1362
trec31-wc	0.8925	0.0307	0.8925	0.8571	0.1441
trec41-wc	0.7955	0.0409	0.7955	0.7453	0.2121
trec45-wc	0.3333	0.1333	0.3333	0.2374	0.3320
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.6250	0.1875	0.6250	0.5000	0.5044
tvnews	0.9321	0.0679	0.9321	0.8517	0.3285
urban	0.8060	0.0431	0.8060	0.7722	0.1509
vehicle	0.7619	0.1190	0.7619	0.6809	0.2859
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4747	0.0955	0.4747	0.4222	0.2455
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8768	0.1232	0.8768	0.2684	0.6915
wap-wc	0.7115	0.0288	0.7115	0.6782	0.2134
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0877
warppiel10p	0.9048	0.0190	0.9048	0.8942	0.0477
watch-acc10%	0.9869	0.0002	1.0000	1.0000	0.0024
watch-gyr10%	0.9878	0.0002	1.0000	1.0000	0.0022
waveform	0.7140	0.1907	0.7140	0.5709	0.5422
web-phishing	0.8741	0.0840	0.8741	0.7805	0.3836
weight-lift	0.9890	0.0044	0.9890	0.9861	0.0316
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0384
wilt	0.9793	0.0207	0.9793	0.7968	0.4165
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6289	0.1237	0.6289	0.4007	0.5150
winequality-white	0.6421	0.1022	0.6421	0.4512	0.4636
winnipeg	0.9923	0.0022	0.9923	0.9903	0.0255
yale	0.5625	0.0583	0.5625	0.5314	0.1055
yeast	0.5608	0.0878	0.5608	0.4319	0.3652
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9183	0.0163	0.9183	0.9084	0.1257
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 190: Detailed results for MLPBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1634	0.0570	0.1631	0.0755	0.5085
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.9041	0.0959	0.9041	0.1718	0.6407
accelerometer	0.9728	0.0272	0.9728	0.2426	0.5785
ads	0.9665	0.0335	0.9665	0.8597	0.2996
adult	0.8057	0.1943	0.8057	0.4640	0.7213
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7048	0.2952	0.7048	0.0240	0.8353
AID362red	0.9836	0.0164	0.9836	0.2149	0.5259
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9062	0.0938	0.9062	0.1360	0.5750
AID604	0.9997	0.0003	0.9997	0.9537	0.0020
AID604AID644_AllRed	0.9983	0.0017	0.9983	0.1658	0.5310
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9779	0.0221	0.9779	-0.0108	0.4896
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9865	0.0135	0.9865	0.1226	0.4971
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9524	0.0790
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0814
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9374	0.0156	0.9374	0.8932	0.0922
anuran-species	0.9389	0.0122	0.9389	0.9151	0.0799
aps-failure	0.9883	0.0117	0.9883	0.6582	0.4388
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6667	0.0513	0.6667	0.5109	0.3152
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8022	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9233	0.0128	0.9233	0.8984	0.0969
balance	0.7581	0.1613	0.7581	0.5981	0.3810
bank	0.8881	0.1119	0.8881	0.4648	0.6516
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8065	0.1935	0.8065	0.5809	0.6703
basehock	0.9045	0.0955	0.9045	0.8092	0.3617
bio	0.9960	0.0040	0.9960	0.7736	0.3733
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9718	0.0008	0.9643	0.4127	0.1797
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5714	0.4286	0.5714	0.0870	0.8810
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.8182	0.0606	0.8182	0.7684	0.1026
bridges	0.7000	0.0857	0.7000	0.5946	0.1534
bub10at310k-hg16-17	0.8656	0.1344	0.8656	0.2328	0.6959
bze_3d_rdkit_descriptors	0.7073	0.2927	0.7073	0.1458	0.8485
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9373	0.1858
car	0.9425	0.0287	0.9425	0.8788	0.1992
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.8263	0.0347	0.8263	0.7919	0.2103
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8194	0.2300
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4059	0.4861
cas_N6512_cdk_ECFP2	0.4608	0.5392	0.4608	0.0000	0.5307
cdc_diabetes	0.8314	0.1020	0.8473	0.1565	0.2931
census10%	0.9245	0.0755	0.9245	0.3555	0.6341
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8953	0.1047	0.8953	0.1264	0.6495
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9953	0.0002	1.0000	0.8688	0.0700
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.5895	0.4105	0.5895	0.1683	0.9137
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8053	0.0878	0.8036	0.7252	0.3304
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5000	0.3333	0.5000	0.2500	0.6132
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.4218	0.3855	0.4218	0.1004	0.7974
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1108
codon_usage	0.8051	0.0354	0.8051	0.7601	0.2305
coil20	0.9306	0.0069	0.9306	0.9269	0.0445
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7586	0.2414	0.7586	0.4587	0.7218
colposcopies-3	0.6897	0.3103	0.6897	0.3524	0.8399
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.5517	0.4483	0.5517	0.0959	0.9600
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.7097	0.1935	0.7097	0.5365	0.3163
connect-4	0.9895	0.0070	0.9895	0.7860	0.3280
cottonmeloidogyne	0.6731	0.3269	0.6731	0.3460	0.8541
coupon	0.6909	0.3091	0.6909	0.3690	0.8361
covtype	0.9430	0.0163	0.9430	0.9084	0.1200
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3093	0.7760
crowdsourced	0.8848	0.0384	0.8848	0.7672	0.3028
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3246	0.1501
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8148	0.1852	0.8148	0.6255	0.6355
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7440	0.2560	0.7440	0.2828	0.8036
deposit	0.8739	0.1261	0.8739	0.4148	0.6755
dermatology	0.9189	0.0270	0.9189	0.8984	0.0887
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.8667	0.1333	0.8667	0.7333	0.5209
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6441	0.6171
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5314	0.3124	0.5314	0.0762	0.6927
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6667	0.3333	0.6667	0.3143	0.8654
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5584	0.4524	0.5461	0.1088	0.9703
dropout	0.6840	0.2107	0.6840	0.4875	0.5517
drug-01	0.3670	0.1809	0.3670	0.0653	0.7548
drug-02	0.3617	0.1824	0.3617	0.1200	0.7002
drug-03	0.6330	0.1049	0.6330	0.0336	0.6310
drug-04	0.3351	0.1900	0.3351	0.0894	0.7384
drug-05	0.6915	0.0881	0.6915	0.0137	0.6400
drug-06	0.3085	0.1976	0.3085	0.1468	0.6702
drug-07	0.3670	0.1809	0.3670	0.0037	0.5415
drug-08	0.5160	0.1383	0.5160	0.1477	0.5887
drug-09	0.8298	0.0486	0.8298	0.0571	0.4762
drug-10	0.4947	0.1444	0.4947	0.0927	0.6627
drug-11	0.8032	0.0562	0.8032	0.1143	0.5119
drug-12	0.7074	0.0836	0.7074	-0.0246	0.6472
drug-13	0.5319	0.1337	0.5319	0.1250	0.7475
drug-14	0.5532	0.1277	0.5532	0.1828	0.6082
drug-15	0.6915	0.0881	0.6915	0.0206	0.6674
drug-16	0.4894	0.1459	0.4894	0.1175	0.6038
drug-17	0.2234	0.2219	0.2234	0.0725	0.7279
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7128	0.0821	0.7128	0.0662	0.7373
drybean	0.8670	0.0380	0.8670	0.8398	0.1949
ecoli	0.8235	0.0441	0.8235	0.7469	0.1276
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.3157	0.0855	0.3157	0.2610	0.6531
eeg-eye	0.5507	0.4493	0.5507	0.0000	0.5178
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7377	0.2623	0.7377	0.4056	0.7899
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5114	0.6808
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.5890	0.1644	0.5890	0.4613	0.4150
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9663	0.0337	0.9663	0.9325	0.1989
fbis-wc	0.6504	0.0411	0.6504	0.6128	0.2936
fda.atompair_fp	0.5909	0.4091	0.5909	0.0198	0.9114
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.8000	0.0500	0.8000	0.7436	0.1112
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.3288	0.0088	0.3288	0.3131	0.5318
forest	0.7885	0.1058	0.7885	0.7079	0.2970
gas	0.9763	0.0079	0.9763	0.9712	0.0526
gastrointestinal	0.8125	0.1250	0.8125	0.6735	0.2281
gender	0.5032	0.3312	0.5032	0.0907	0.7650
gene	0.8833	0.0778	0.8833	0.8161	0.2935
german	0.6800	0.3200	0.6800	0.2677	0.8638
gina	0.8703	0.1297	0.8703	0.7407	0.5108
glass	0.7143	0.0952	0.7143	0.5935	0.2614
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8710	0.2846
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7510	0.4680
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4667	0.2667	0.4667	0.2547	0.5873
haberman	0.6333	0.3667	0.6333	0.0984	0.8913
hapt	0.8939	0.0177	0.8939	0.8753	0.1395
har70	0.9336	0.0235	0.9083	0.8862	0.1187
harth10%	0.8467	0.0220	0.8806	0.8377	0.1579
hayes-roth	0.6250	0.2500	0.6250	0.4217	0.3480
hcc-survival	0.5294	0.4706	0.5294	0.1053	0.9033
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8125	0.1875	0.8125	0.6250	0.6404
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.6467	0.3533	0.6467	0.2909	0.8840
higher	0.1429	0.2143	0.1429	-0.0120	0.4414
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9504	0.0496	0.9504	0.0639	0.6223
horse	0.6111	0.2593	0.6111	0.3816	0.5754
htru2	0.9609	0.0391	0.9609	0.7749	0.4326
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0007
hypothyroid	0.9867	0.0066	0.9867	0.9175	0.0632
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.6102	0.3898	0.6102	-0.0414	0.9436
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6855	0.0242	0.6855	0.6729	0.2112
jm1	0.7594	0.2406	0.7594	0.1982	0.8123
fvowels	0.8765	0.0274	0.8765	0.8601	0.1552
kc1	0.8341	0.1659	0.8341	0.3472	0.7266
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.1942	0.1422
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8654	0.1346	0.8654	0.5517	0.5823
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.2631	0.0819	0.2631	0.2487	0.2660
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7619	0.0794	0.7619	0.7081	0.3328
la2s-wc	0.7351	0.0883	0.7351	0.6727	0.3539
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5294	0.0235	0.5294	0.5099	0.1275
led24	0.5000	0.1000	0.5000	0.4413	0.2083
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8470	0.0118	0.8470	0.8409	0.1334
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6389	0.0481	0.6389	0.6119	0.1669
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.7069	0.0510	0.7319	0.6502	0.3518
lrs	0.7736	0.0453	0.7736	0.6922	0.2106
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6000	0.5944
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1952
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6897	0.0489
madelon	0.7385	0.2615	0.7385	0.4769	0.7676
magic04	0.8106	0.1894	0.8106	0.5857	0.6651

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5636	0.6896
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7143	0.3914
messidor	0.6348	0.3652	0.6348	0.2465	0.8983
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7632	0.1462
meter-D	0.8333	0.0833	0.8333	0.7741	0.1717
mfeat-fac	0.8750	0.0250	0.8750	0.8611	0.1118
mfeat-fou	0.6700	0.0660	0.6700	0.6333	0.2689
mfeat-kar	0.8100	0.0380	0.8100	0.7889	0.1856
mfeat-mor	0.6650	0.0670	0.6650	0.6278	0.2378
mfeat-pix	0.8750	0.0250	0.8750	0.8611	0.1236
mfeat-zer	0.6500	0.0700	0.6500	0.6111	0.2760
mice-prot	0.9907	0.0023	0.9907	0.9894	0.0117
mines	0.4412	0.2235	0.4412	0.3031	0.5171
mobile	0.5559	0.0159	0.5559	0.5475	0.2024
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.8048	0.3691
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9717
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.5260
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7929
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1464	0.9478
MUT_ci300400a	0.8120	0.1880	0.8120	0.6174	0.6456
MUT_ci300400a_cdk_ECFP2	0.6053	0.3992	0.6010	0.0325	0.5437
myocardial	0.8706	0.0324	0.8706	0.4241	0.2952
naticusdroid	0.4988	0.5012	0.4988	0.0000	0.5285
nci9	0.5000	0.1111	0.5000	0.4000	0.1741
ncRNA10%	0.7752	0.0237	0.7752	0.4073	0.2312
newspop	0.5840	0.4160	0.5840	0.1650	0.9423
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9524	0.0476	0.9524	0.8826	0.2821
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0723	0.8088
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9917	0.0083	0.9917	0.9767	0.0855
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0149
oh0-wc	0.6931	0.0614	0.6931	0.6522	0.2564
oh10-wc	0.6190	0.0762	0.6190	0.5684	0.2748
oh15-wc	0.6413	0.0717	0.6413	0.6004	0.2649
oh5-wc	0.6264	0.0747	0.6264	0.5832	0.2706
opn310k	0.8646	0.1354	0.8646	0.2155	0.6997
opnat310k-hg16-17	0.8692	0.1308	0.8692	0.2231	0.7002
optdigits	0.8772	0.0246	0.8772	0.8637	0.1365
optdigitsZ	0.9929	0.0071	0.9929	0.9561	0.1305
orl	0.4750	0.0262	0.4750	0.4615	0.1155
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0600
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	0.2088	0.6180
ozone8hr	0.8775	0.1225	0.8775	-0.0033	0.7089
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9744	0.0102	0.9744	0.8622	0.2589

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8639	0.1361	0.8639	0.6642	0.5777
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9099	0.0901	0.9099	0.3265	0.6546
pcmac	0.4175	0.5825	0.4175	0.0000	0.5272
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.2941	0.2017	0.2941	0.2395	0.2650
pendigits	0.9490	0.0102	0.9490	0.9433	0.0705
period	0.7778	0.2222	0.7778	0.5714	0.5000
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4697	0.7432
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9551	0.0449	0.9551	0.9056	0.2507
phoneme	0.8907	0.1093	0.8907	0.7336	0.5072
phy	0.6448	0.3552	0.6448	0.2896	0.8856
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.6287	0.0743	0.6287	0.3376	0.6957
polish-1st	0.9303	0.0697	0.9303	0.0728	0.6203
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9086	0.0914	0.9086	-0.0080	0.6374
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.8934	0.1066	0.8934	0.1650	0.6787
polya	0.7016	0.2984	0.7016	0.3357	0.8356
popularity	0.5425	0.3050	0.5425	0.1638	0.6542
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9533	0.0187	0.9533	0.9415	0.0962
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.2727	0.0661	0.2727	0.2088	0.2704
profb	0.5522	0.4478	0.5522	0.0510	0.9317
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9817	0.0073	0.9817	0.9754	0.0453
pufs-6410%	0.5019	0.4981	0.5019	0.0037	0.9989
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.2667	0.1128	0.2667	0.1637	0.2802
re1-wc	0.7470	0.0202	0.7470	0.7159	0.2139
rejafada	0.9548	0.0452	0.9548	0.1603	0.6044
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9875	0.0050	0.9875	0.9835	0.0307
rocket	0.6415	0.3585	0.6415	0.2631	0.8899
RT_IOT2022	0.9768	0.0039	0.9768	0.9417	0.0205
satimage	0.8383	0.0539	0.8383	0.7999	0.2357
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9222	0.0778	0.9222	0.5721	0.5770
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9990	0.0010	0.9990	0.9980	0.0109
segment	0.9351	0.0186	0.9351	0.9241	0.0856
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8915	0.1085	0.8915	0.1641	0.6673
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7632	0.2368	0.7632	0.0447	0.7646
sens-2-gram	0.7684	0.2316	0.7684	0.0803	0.7594
sens-3-gram	0.7816	0.2184	0.7816	0.0831	0.7682
sens-4-gram	0.7553	0.2447	0.7553	0.0205	0.7642
sensorless	0.9896	0.0019	0.9896	0.9885	0.0191
sepsis	0.9257	0.0913	0.8921	0.0000	0.2069
shoppers	0.8678	0.1322	0.8678	0.4829	0.6599
shuttle	1.0000	0.0001	0.9795	0.9929	0.0139
sick	0.9655	0.0345	0.9655	0.6930	0.3904
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9822	0.0005	0.9860	0.9844	0.0103
smk_can_187	0.6842	0.3158	0.6842	0.3804	0.7358
solar-flare	0.7626	0.0791	0.7626	0.6980	0.2253
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9412	0.0062	0.9412	0.9355	0.0325
spambase	0.9239	0.0761	0.9239	0.8404	0.3651
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.4528	0.0228	0.4528	0.4204	0.1731
splice-EI	0.9527	0.0473	0.9527	0.8741	0.2976
splice-IE	0.9085	0.0915	0.9085	0.7502	0.4814
sport-articles	0.6900	0.3100	0.6900	0.3600	0.8245
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7795	0.2205	0.7795	0.3534	0.7680
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8995	0.0670	0.8995	0.8361	0.2326
steel-k	0.9744	0.0256	0.9744	0.9206	0.1989
steel-o	0.8103	0.1897	0.8103	0.5865	0.6655
steel-p	0.9282	0.0718	0.9282	0.5234	0.5906
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3077	0.4615	0.3077	-0.1038	0.7596
student-weekend	0.4154	0.2338	0.4154	0.1973	0.7061
student-workday	0.6875	0.1250	0.6875	0.0824	0.3405
susy10%	0.7172	0.2828	0.7172	0.4306	0.7993
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4209
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9291	0.0129	0.9291	0.9218	0.0779
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.1282	0.7808
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6917	0.5343
titanic	0.8136	0.1864	0.8136	0.5021	0.4299
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.5294	0.2353	0.5294	0.3585	0.3934
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.0638	0.9119
trec11-wc	0.5610	0.0976	0.5610	0.4773	0.3297
trec12-wc	0.7097	0.0726	0.7097	0.6329	0.1841

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4565	0.2567
trec23-wc	0.7619	0.0794	0.7619	0.6635	0.1854
trec31-wc	0.9032	0.0277	0.9032	0.8674	0.0921
trec41-wc	0.8636	0.0273	0.8636	0.8376	0.1245
trec45-wc	0.7391	0.0522	0.7391	0.6930	0.1953
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8000	0.1000	0.8000	0.7333	0.2778
tvnews	0.9323	0.0677	0.9323	0.8522	0.3278
urban	0.7164	0.0630	0.7164	0.6694	0.2371
vehicle	0.7619	0.1190	0.7619	0.6748	0.2868
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.3636	0.1157	0.3636	0.3000	0.3142
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8768	0.1232	0.8768	0.2684	0.6915
wap-wc	0.6410	0.0359	0.6410	0.6064	0.2240
warpar10p	0.6154	0.0769	0.6154	0.5638	0.1114
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	1.0000	0.0002	1.0000	0.9907	0.0023
watch-gyr10%	0.9827	0.0002	0.9842	0.9849	0.0022
waveform	0.7320	0.1787	0.7320	0.5978	0.4777
web-phishing	0.8593	0.0938	0.8593	0.7518	0.4019
weight-lift	0.9898	0.0041	0.9898	0.9871	0.0258
white-clover	0.3333	0.3333	0.3333	-0.0909	0.3403
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0467
wilt	0.9793	0.0207	0.9793	0.7968	0.4165
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6730	0.1090	0.6730	0.4681	0.3624
winequality-white	0.6299	0.1058	0.6299	0.4189	0.4273
winnipeg	0.9883	0.0034	0.9883	0.9852	0.0353
yale	0.3750	0.0833	0.3750	0.3333	0.2194
yeast	0.5338	0.0932	0.5338	0.3957	0.3453
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8462	0.0308	0.8462	0.8278	0.1767
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 191: Detailed results for CERLPBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1638	0.0565	0.1650	0.0725	0.4026
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9728	0.0272	0.9728	0.2426	0.5785
ads	0.9665	0.0335	0.9665	0.8597	0.2996
adult	0.8512	0.1483	0.8657	0.5341	0.5734
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7048	0.2952	0.7048	0.0240	0.8353
AID362red	0.9836	0.0164	0.9836	0.2149	0.5259
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9062	0.0938	0.9062	0.1360	0.5750
AID604	0.9997	0.0003	0.9997	0.9537	0.0020
AID604AID644_AllRed	0.9983	0.0017	0.9983	0.1658	0.5310
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.7980	0.1347	0.7980	-0.0820	0.6412
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9779	0.0221	0.9779	-0.0108	0.4896
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9865	0.0135	0.9865	0.1226	0.4971
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9524	0.0790
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9492	0.0615
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9624	0.0094	0.9624	0.9376	0.0747
anuran-species	0.9639	0.0072	0.9639	0.9497	0.0621
aps-failure	0.9883	0.0117	0.9883	0.6582	0.4388
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7111	0.0444	0.7111	0.5631	0.2488
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7333	0.1535
avila	0.9583	0.0069	0.9583	0.9454	0.0583
balance	0.8065	0.1290	0.8065	0.6603	0.4081
bank	0.8881	0.1119	0.8881	0.4648	0.6516
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8065	0.1935	0.8065	0.5809	0.6703
basehock	0.9424	0.0695	0.9183	0.8587	0.3373
bio	0.9907	0.0043	0.9876	0.6930	0.0574
biodeg	0.8095	0.1905	0.8095	0.6038	0.6536
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9764	0.0000	0.9878	0.1523	0.3216
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5714	0.4286	0.5714	0.0870	0.8810
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.7000	0.0857	0.7000	0.5714	0.1715
bub10at310k-hg16-17	0.9264	0.0887	0.8977	0.0292	0.2301
bze_3d_rdkit_descriptors	0.7073	0.2927	0.7073	0.1458	0.8485
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9710	0.0290	0.9710	0.9373	0.1858
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8551	0.1449	0.8551	0.6968	0.5304
cardiotocography	0.8545	0.0291	0.8545	0.8257	0.1859
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8477	0.2521
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7270	0.3192
cas_N6512_cdk_ECFP2	0.5958	0.4066	0.6030	0.1550	0.8440
cdc_diabetes	0.8326	0.0999	0.8425	0.1299	0.2767
census10%	0.9800	0.0467	0.9285	0.4227	0.3757
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8953	0.1047	0.8953	0.1264	0.6495
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9894	0.0003	0.9977	0.8444	0.2077
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.5895	0.4105	0.5895	0.1683	0.9137
cirrhosis	0.6905	0.2063	0.6905	0.3865	0.5337
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7528	0.1236	0.7528	0.6263	0.4886
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8400	0.1600	0.8400	0.2453	0.6924
cmc	0.5306	0.3129	0.5306	0.2650	0.7201
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0615
codon_usage	0.8565	0.0261	0.8565	0.8250	0.2149
coil20	0.9792	0.0021	0.9792	0.9781	0.0143
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7586	0.2414	0.7586	0.4587	0.7218
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.5517	0.4483	0.5517	0.0959	0.9600
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9678	0.0098	0.9860	0.5126	0.0310
cottonmeloidogyne	0.6731	0.3269	0.6731	0.3460	0.8541
coupon	0.6901	0.3099	0.6901	0.3678	0.8369
covtype	0.7187	0.0809	0.7089	0.5292	0.3238
covtypeCD	0.9836	0.0164	0.9836	0.9304	0.1862
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3093	0.7760
crowdsourced	0.9106	0.0298	0.9106	0.8134	0.2427
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2932	0.1044
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8148	0.1852	0.8148	0.6255	0.6355
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7433	0.2567	0.7433	0.2817	0.8039
deposit	0.8739	0.1261	0.8739	0.4111	0.6765
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.8724	0.1315	0.8504	0.7410	0.4552
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6441	0.6171
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5782	0.2776	0.5754	0.1581	0.5233
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6667	0.3333	0.6667	0.3143	0.8654
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5489	0.4519	0.5464	0.0747	0.8713
dropout	0.6907	0.2062	0.6907	0.5005	0.5863
drug-01	0.3138	0.1960	0.3138	-0.0052	0.7630
drug-02	0.4149	0.1672	0.4149	0.1051	0.7857
drug-03	0.5745	0.1216	0.5745	0.0162	0.5415
drug-04	0.4043	0.1702	0.4043	0.1063	0.7263
drug-05	0.6649	0.0957	0.6649	0.0257	0.6228
drug-06	0.3085	0.1976	0.3085	0.1619	0.6952
drug-07	0.3883	0.1748	0.3883	0.0342	0.5619
drug-08	0.4468	0.1581	0.4468	0.0809	0.7564
drug-09	0.8138	0.0532	0.8138	0.0829	0.4603
drug-10	0.5106	0.1398	0.5106	0.1745	0.7469
drug-11	0.7979	0.0578	0.7979	0.1856	0.6296
drug-12	0.7447	0.0729	0.7447	0.1142	0.4156
drug-13	0.5266	0.1353	0.5266	0.1505	0.5821
drug-14	0.5479	0.1292	0.5479	0.2236	0.5486
drug-15	0.7394	0.0745	0.7394	0.1278	0.4959
drug-16	0.5266	0.1353	0.5266	0.2414	0.5697
drug-17	0.2553	0.2128	0.2553	0.0585	0.8117
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6862	0.0897	0.6862	0.0993	0.5268
drybean	0.9008	0.0283	0.9008	0.8802	0.1541
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.4620	0.0673	0.4620	0.4042	0.6145
eeg-eye	0.7864	0.2136	0.7864	0.5687	0.6916
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7377	0.2623	0.7377	0.4056	0.7899
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5114	0.6808
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6301	0.1479	0.6301	0.5224	0.4100
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9078	0.1005	0.9002	0.8043	0.4080
fbis-wc	0.6789	0.0378	0.6789	0.6363	0.3201
fda.atompair_fp	0.5909	0.4091	0.5909	0.0198	0.9114
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.6000	0.1000	0.6000	0.5166	0.1846
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5389	0.0063	0.5289	0.5108	0.5660
forest	0.8654	0.0673	0.8654	0.8152	0.2188
gas	0.9813	0.0062	0.9813	0.9773	0.0434
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.5368	0.3088	0.5368	0.1022	0.7555
gene	0.9211	0.0526	0.9211	0.8736	0.2288
german	0.6800	0.3200	0.6800	0.2677	0.8638
gina	0.8732	0.1268	0.8732	0.7465	0.5029
glass	0.7143	0.0952	0.7143	0.5962	0.2628
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8710	0.2846
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7531	0.4840
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.5667	0.4333	0.5667	-0.0656	0.9236
hapt	0.8740	0.0226	0.8827	0.8260	0.1353
har70	0.9234	0.0238	0.9234	0.8939	0.1198
harth10%	0.8382	0.0246	0.8301	0.7877	0.2075
hayes-roth	0.6875	0.2083	0.6875	0.5152	0.3343
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8083	0.2042	0.7920	0.5894	0.5897
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.5471	0.4511	0.5488	0.0497	0.5792
higher	0.3571	0.1607	0.3571	0.2270	0.2867
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9674	0.0468	0.9710	-0.0181	0.6101
horse	0.5278	0.3148	0.5278	0.1851	0.7071
htru2	0.9581	0.0419	0.9581	0.7582	0.4470
ht-sensor	0.8235	0.1256	0.8267	0.7278	0.3388
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.6102	0.3898	0.6102	-0.0414	0.9436
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8498	0.0116	0.8498	0.8438	0.1248
jm1	0.7603	0.2397	0.7603	0.1967	0.8124
fvowels	0.9217	0.0174	0.9217	0.9113	0.1249
kc1	0.8389	0.1611	0.8389	0.3739	0.7169
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1250	0.0977
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8462	0.1538	0.8462	0.5059	0.6528
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8834	0.0130	0.8834	0.8699	0.1507
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5119	0.1646	0.4917	0.3266	0.3186
la2s-wc	0.5033	0.1672	0.5022	0.2886	0.3348
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.2941	0.0353	0.2941	0.2823	0.1948
led24	0.5000	0.1000	0.5000	0.4366	0.2059
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9235	0.0059	0.9235	0.9204	0.0868
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8212	0.0762
linkage10%	0.9867	0.0001	1.0000	0.9811	0.0204
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.4732	0.0942	0.4877	0.2851	0.4060
lrs	0.7925	0.0415	0.7925	0.7178	0.1958
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6769	0.1268
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6000	0.5944
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7385	0.2615	0.7385	0.4769	0.7676
magic04	0.8106	0.1894	0.8106	0.5857	0.6651

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7708	0.2292	0.7708	0.5423	0.7111
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7599	0.3628
messidor	0.6348	0.3652	0.6348	0.2465	0.8983
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7662	0.1989
meter-D	0.9444	0.0278	0.9444	0.9234	0.0743
mfeat-fac	0.9300	0.0140	0.9300	0.9222	0.0828
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1915
mfeat-kar	0.9000	0.0200	0.9000	0.8889	0.1217
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2354
mfeat-pix	0.9250	0.0150	0.9250	0.9167	0.0945
mfeat-zer	0.6800	0.0640	0.6800	0.6444	0.2348
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5935	0.3298
mobile	0.8427	0.0056	0.8427	0.8398	0.0681
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9464	0.0536	0.9464	0.8926	0.2736
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.8048	0.3691
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7929
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1464	0.9478
MUT_ci300400a	0.8020	0.1980	0.8020	0.5958	0.6656
MUT_ci300400a_cdk_ECFP2	0.6161	0.3864	0.6115	0.0866	0.6845
myocardial	0.8765	0.0309	0.8765	0.3871	0.2195
naticusdroid	0.9669	0.0331	0.9669	0.9339	0.1957
nci9	0.3333	0.1481	0.3333	0.2258	0.1175
ncRNA10%	0.9330	0.0070	0.9330	0.8181	0.5388
newspop	0.5815	0.4185	0.5815	0.1597	0.9445
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.8749	0.1063	0.8830	0.7323	0.5004
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0746	0.8121
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9754	0.0909
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8020	0.0396	0.8020	0.7724	0.1869
oh10-wc	0.7048	0.0590	0.7048	0.6622	0.2381
oh15-wc	0.6957	0.0609	0.6957	0.6533	0.2776
oh5-wc	0.6264	0.0747	0.6264	0.5781	0.3568
opn310k	0.9206	0.0910	0.9286	0.0388	0.2452
opnat310k-hg16-17	0.9245	0.0916	0.9032	0.0325	0.2557
optdigits	0.9502	0.0100	0.9502	0.9446	0.0710
optdigitsZ	0.9929	0.0071	0.9929	0.9561	0.1305
orl	0.8250	0.0088	0.8250	0.8205	0.0308
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.1935	0.6177
ozone8hr	0.8854	0.1146	0.8854	0.0068	0.7093
p53-mutants10%	1.0000	0.0032	1.0000	0.0000	0.0151
page-blocks	0.9835	0.0066	0.9835	0.9098	0.1733

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8930	0.1111	0.8945	0.7174	0.5165
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9009	0.0991	0.9009	0.2995	0.6610
pcmac	0.5974	0.3973	0.6025	0.0802	0.8141
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.7647	0.0672	0.7647	0.7158	0.2129
pendigits	0.9700	0.0060	0.9700	0.9666	0.0501
period	0.7778	0.2222	0.7778	0.5714	0.5000
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7629	0.2371	0.7629	0.4559	0.7511
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9633	0.0367	0.9633	0.9234	0.2219
phoneme	0.8907	0.1093	0.8907	0.7336	0.5072
phy	0.6448	0.3552	0.6448	0.2896	0.8856
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7140	0.0555	0.7117	0.4666	0.1993
polish-1st	0.9331	0.0669	0.9331	0.1107	0.6221
polish-2nd	0.9292	0.0708	0.9292	0.0160	0.6295
polish-3rd	0.9019	0.0981	0.9019	-0.0141	0.6230
polish-4th	0.9235	0.0765	0.9235	0.2315	0.6454
polish-5th	0.8951	0.1049	0.8951	0.1688	0.6789
polya	0.7027	0.2973	0.7027	0.3385	0.8342
popularity	0.5644	0.2904	0.5644	0.1331	0.7101
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9764	0.0094	0.9764	0.9705	0.0581
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.3939	0.0551	0.3939	0.3360	0.2258
profb	0.5522	0.4478	0.5522	0.0510	0.9317
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9863	0.0055	0.9863	0.9816	0.0437
pufs-6410%	0.5053	0.5027	0.5013	-0.0059	0.9988
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.7200	0.0431	0.7200	0.6447	0.3934
re1-wc	0.5256	0.0377	0.5341	0.4481	0.2403
rejafada	0.9885	0.0000	1.0000	0.9948	0.0000
relathe	0.9933	0.0000	1.0000	0.9974	0.0000
rnaseq	0.9923	0.0000	0.9861	0.9956	0.0000
rocket	0.6386	0.3614	0.6386	0.2580	0.8922
RT_IOT2022	0.8781	0.0226	0.8627	0.5612	0.1007
satimage	0.8600	0.0467	0.8600	0.8273	0.2254
satimageF	0.9767	0.0233	0.9767	0.8820	0.2909
satimageT	0.9207	0.0793	0.9207	0.5665	0.5827
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.7216	0.2833	0.7174	0.4557	0.5257
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8915	0.1085	0.8915	0.1641	0.6673
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7684	0.2316	0.7684	0.0511	0.7670
sens-2-gram	0.7789	0.2211	0.7789	0.1221	0.7555
sens-3-gram	0.8410	0.1541	0.8314	0.0143	0.7000
sens-4-gram	0.8473	0.1444	0.8329	-0.0064	0.6421
sensorless	0.9918	0.0015	0.9918	0.9910	0.0158
sepsis	0.9142	0.0905	0.9018	0.0000	0.2106
shoppers	0.8670	0.1330	0.8670	0.4854	0.6614
shuttle	0.9995	0.0001	0.9995	0.9985	0.0157
sick	0.9655	0.0345	0.9655	0.6930	0.3904
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9994	0.0006	0.9994	0.9983	0.0101
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.7554	0.0815	0.7554	0.6886	0.2188
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9239	0.0761	0.9239	0.8404	0.3651
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.5283	0.0197	0.5283	0.5039	0.1326
splice-EI	0.9527	0.0473	0.9527	0.8741	0.2976
splice-IE	0.9085	0.0915	0.9085	0.7502	0.4814
sport-articles	0.6900	0.3100	0.6900	0.3600	0.8245
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7795	0.2205	0.7795	0.3534	0.7680
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8987	0.0675	0.8987	0.8348	0.2369
steel-k	0.9744	0.0256	0.9744	0.9206	0.1989
steel-o	0.8103	0.1897	0.8103	0.5865	0.6655
steel-p	0.9282	0.0718	0.9282	0.5234	0.5906
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.2615	0.2954	0.2615	-0.0136	0.7465
student-workday	0.6406	0.1437	0.6406	0.1149	0.5840
susy10%	0.7530	0.2437	0.7604	0.5135	0.6683
swarm_aligned	0.9875	0.0000	0.9907	1.0000	0.0000
swarm_flocking	1.0000	0.0000	0.9835	0.9879	0.0000
swarm_grouped	1.0000	0.0000	0.9882	0.9902	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9600	0.0073	0.9600	0.9559	0.0526
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.1282	0.7808
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.7568	0.2496	0.7380	0.0120	0.5528
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5278	0.3688
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.0638	0.9119
trec11-wc	0.7561	0.0542	0.7561	0.6943	0.2234
trec12-wc	0.6774	0.0806	0.6774	0.5932	0.1774

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8788	0.0404	0.8788	0.7167	0.0807
trec23-wc	0.8095	0.0635	0.8095	0.7246	0.1362
trec31-wc	0.9589	0.0151	0.9337	0.9402	0.0870
trec41-wc	0.9256	0.0136	0.9172	0.9109	0.0856
trec45-wc	0.8927	0.0228	0.8942	0.8612	0.0840
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.6250	0.1875	0.6250	0.5000	0.5044
tvnews	0.8520	0.1595	0.8278	0.6502	0.5857
urban	0.8060	0.0431	0.8060	0.7722	0.1509
vehicle	0.7619	0.1190	0.7619	0.6809	0.2859
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4747	0.0955	0.4747	0.4222	0.2455
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8906	0.0915	0.9075	-0.0011	0.2593
wap-wc	0.2007	0.0801	0.2021	0.0999	0.3415
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0877
warppiel0p	0.9048	0.0190	0.9048	0.8942	0.0477
watch-acc10%	0.8799	0.0321	0.8785	0.8692	0.1202
watch-gyr10%	0.9157	0.0258	0.9171	0.9014	0.1193
waveform	0.7180	0.1880	0.7180	0.5769	0.5380
web-phishing	0.8667	0.0889	0.8667	0.7659	0.3876
weight-lift	0.6715	0.1338	0.6739	0.5848	0.2956
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0384
wilt	0.9793	0.0207	0.9793	0.7968	0.4165
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6289	0.1237	0.6289	0.4007	0.5150
winequality-white	0.6421	0.1022	0.6421	0.4512	0.4636
winnipeg	0.8731	0.0441	0.8235	0.7711	0.0901
yale	0.6250	0.0500	0.6250	0.6000	0.0736
yeast	0.5676	0.0865	0.5676	0.4428	0.3600
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9194	0.0161	0.9194	0.9096	0.1242
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 192: Detailed results for CERLPBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1668	0.0585	0.1636	0.0716	0.3986
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9728	0.0272	0.9728	0.2426	0.5785
ads	0.9665	0.0335	0.9665	0.8597	0.2996
adult	0.8587	0.1485	0.8367	0.5446	0.5786
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.6571	0.3429	0.6571	-0.0300	0.8227
AID362red	0.9836	0.0164	0.9836	0.2149	0.5259
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9062	0.0938	0.9062	0.1360	0.5750
AID604	0.9997	0.0003	0.9997	0.9537	0.0020
AID604AID644_AllRed	0.9983	0.0017	0.9983	0.1658	0.5310
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8687	0.0875	0.8687	-0.0166	0.3138
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9779	0.0221	0.9779	-0.0108	0.4896
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9865	0.0135	0.9865	0.1226	0.4971
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9524	0.0790
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0814
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9318	0.0170	0.9318	0.8837	0.1160
anuran-species	0.9375	0.0125	0.9375	0.9131	0.0855
aps-failure	0.9886	0.0114	0.9886	0.6683	0.4365
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6667	0.0513	0.6667	0.5109	0.3152
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8022	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9238	0.0127	0.9238	0.8990	0.0965
balance	0.7581	0.1613	0.7581	0.5981	0.3810
bank	0.8881	0.1119	0.8881	0.4648	0.6516
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8065	0.1935	0.8065	0.5809	0.6703
basehock	0.9381	0.0715	0.9431	0.8630	0.3437
bio	0.9812	0.0043	0.9912	0.6762	0.0569
biodeg	0.8095	0.1905	0.8095	0.6038	0.6536
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9880	0.0000	0.9958	0.1490	0.3251
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5714	0.4286	0.5714	0.0870	0.8810
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7684	0.1026
bridges	0.7000	0.0857	0.7000	0.5946	0.1534
bub10at310k-hg16-17	0.9180	0.0908	0.9028	0.0295	0.2344
bze_3d_rdkit_descriptors	0.7073	0.2927	0.7073	0.1458	0.8485
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9373	0.1858
car	0.9425	0.0287	0.9425	0.8788	0.1992
card	0.8551	0.1449	0.8551	0.6968	0.5304
cardiotocography	0.8357	0.0329	0.8357	0.8035	0.2037
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8194	0.2300
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4059	0.4861
cas_N6512_cdk_ECFP2	0.5924	0.4015	0.6069	0.1546	0.8434
cdc_diabetes	0.8524	0.0997	0.8423	0.1324	0.2795
census10%	0.9912	0.0466	0.9352	0.4203	0.3719
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9070	0.0930	0.9070	0.1506	0.6606
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0003	0.9832	0.8537	0.2042
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.8014	0.4126
ci900367j_MACCS	0.5895	0.4105	0.5895	0.1683	0.9137
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7352	0.1324	0.7352	0.6051	0.5263
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5000	0.3333	0.5000	0.2500	0.6132
cm1	0.8600	0.1400	0.8600	0.2857	0.6956
cmc	0.4422	0.3719	0.4422	0.1280	0.7934
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1108
codon_usage	0.8051	0.0354	0.8051	0.7601	0.2222
coil20	0.9167	0.0083	0.9167	0.9123	0.0487
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7586	0.2414	0.7586	0.4587	0.7218
colposcopies-3	0.6897	0.3103	0.6897	0.3524	0.8399
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.5517	0.4483	0.5517	0.0959	0.9600
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.7097	0.1935	0.7097	0.5365	0.3163
connect-4	0.9862	0.0102	1.0000	0.5162	0.0314
cottonmeloidogyne	0.6683	0.3317	0.6683	0.3364	0.8597
coupon	0.6901	0.3099	0.6901	0.3673	0.8371
covtype	0.7223	0.0810	0.7087	0.5411	0.3146
covtypeCD	0.9836	0.0164	0.9836	0.9304	0.1862
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3093	0.7760
crowdsourced	0.8857	0.0381	0.8857	0.7689	0.3396
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3246	0.1501
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.8148	0.1852	0.8148	0.6255	0.6355
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7443	0.2557	0.7443	0.2819	0.8041
deposit	0.8741	0.1259	0.8741	0.4126	0.6760
dermatology	0.9189	0.0270	0.9189	0.8984	0.0887
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.8725	0.1333	0.8542	0.7450	0.4415
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.6189	0.6416
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5881	0.2856	0.5863	0.1558	0.5324
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6667	0.3333	0.6667	0.3143	0.8654
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5622	0.4419	0.5529	0.0752	0.8796
dropout	0.6772	0.2152	0.6772	0.4779	0.5553
drug-01	0.3670	0.1809	0.3670	0.0653	0.7548
drug-02	0.3617	0.1824	0.3617	0.1200	0.7002
drug-03	0.6277	0.1064	0.6277	0.0118	0.6351
drug-04	0.3351	0.1900	0.3351	0.0894	0.7384
drug-05	0.6809	0.0912	0.6809	-0.0068	0.7106
drug-06	0.3085	0.1976	0.3085	0.1468	0.6702
drug-07	0.3670	0.1809	0.3670	0.0037	0.5415
drug-08	0.5160	0.1383	0.5160	0.1477	0.5887
drug-09	0.8298	0.0486	0.8298	0.0571	0.4762
drug-10	0.4947	0.1444	0.4947	0.0927	0.6627
drug-11	0.8032	0.0562	0.8032	0.1143	0.5119
drug-12	0.7074	0.0836	0.7074	-0.0246	0.6472
drug-13	0.5319	0.1337	0.5319	0.1250	0.7475
drug-14	0.5638	0.1246	0.5638	0.1948	0.5950
drug-15	0.6915	0.0881	0.6915	0.0206	0.6674
drug-16	0.4894	0.1459	0.4894	0.1175	0.6038
drug-17	0.2234	0.2219	0.2234	0.0718	0.7293
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7074	0.0836	0.7074	0.0597	0.7428
drybean	0.8677	0.0378	0.8677	0.8407	0.1951
ecoli	0.8235	0.0441	0.8235	0.7469	0.1276
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.3149	0.0856	0.3149	0.2599	0.6489
eeg-eye	0.7857	0.2143	0.7857	0.5674	0.6927
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7377	0.2623	0.7377	0.4056	0.7899
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5114	0.6808
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.5890	0.1644	0.5890	0.4613	0.4150
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9043	0.1020	0.8970	0.7861	0.4086
fbis-wc	0.6463	0.0416	0.6463	0.6079	0.2972
fda.atompair_fp	0.5909	0.4091	0.5909	0.0198	0.9114
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.8000	0.0500	0.8000	0.7436	0.1112
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5452	0.0061	0.5256	0.5197	0.5775
forest	0.8462	0.0769	0.8462	0.7878	0.2282
gas	0.9763	0.0079	0.9763	0.9712	0.0526
gastrointestinal	0.8125	0.1250	0.8125	0.6735	0.2281
gender	0.4779	0.3481	0.4779	0.1014	0.7689
gene	0.8833	0.0778	0.8833	0.8161	0.2935
german	0.6800	0.3200	0.6800	0.2677	0.8638
gina	0.8732	0.1268	0.8732	0.7465	0.5029
glass	0.7143	0.0952	0.7143	0.5935	0.2614
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8710	0.2846
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7510	0.4680
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4000	0.3000	0.4000	0.1667	0.6145
haberman	0.5667	0.4333	0.5667	-0.0656	0.9236
hapt	0.8652	0.0221	0.8511	0.8534	0.1349
har70	0.9334	0.0232	0.9180	0.8789	0.1191
harth10%	0.8204	0.0250	0.8571	0.7805	0.2041
hayes-roth	0.6250	0.2500	0.6250	0.4217	0.3480
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7881	0.2055	0.7922	0.6046	0.5766
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.5384	0.4531	0.5601	0.0495	0.5814
higher	0.1429	0.2143	0.1429	-0.0120	0.4414
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9427	0.0473	0.9484	-0.0178	0.6160
horse	0.6111	0.2593	0.6111	0.3816	0.5754
htru2	0.9581	0.0419	0.9581	0.7582	0.4470
ht-sensor	0.8108	0.1270	0.8024	0.7105	0.3480
hypothyroid	0.9867	0.0066	0.9867	0.9175	0.0632
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.6102	0.3898	0.6102	-0.0414	0.9436
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6727	0.0252	0.6727	0.6596	0.2231
jm1	0.7612	0.2388	0.7612	0.2043	0.8103
fvowels	0.8765	0.0274	0.8765	0.8601	0.1552
kc1	0.8341	0.1659	0.8341	0.3472	0.7266
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.1942	0.1422
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8462	0.1538	0.8462	0.5059	0.6528
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8431	0.0174	0.8431	0.8258	0.2257
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5154	0.1635	0.4917	0.3178	0.3253
la2s-wc	0.5098	0.1708	0.5091	0.2883	0.3283
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5294	0.0235	0.5294	0.5095	0.1237
led24	0.5000	0.1000	0.5000	0.4413	0.2083
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8460	0.0118	0.8460	0.8398	0.1342
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.6389	0.0481	0.6389	0.6119	0.1669
linkage10%	0.9948	0.0001	0.9967	0.9794	0.0210
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.4823	0.0927	0.4788	0.2852	0.4088
lrs	0.7736	0.0453	0.7736	0.6922	0.2106
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.8889	0.1111	0.8889	0.6000	0.5944
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1952
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6897	0.0489
madelon	0.7385	0.2615	0.7385	0.4769	0.7676
magic04	0.8106	0.1894	0.8106	0.5857	0.6651

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7812	0.2188	0.7812	0.5614	0.6988
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8218	0.1188	0.8218	0.7310	0.3646
messidor	0.6348	0.3652	0.6348	0.2465	0.8983
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7632	0.1462
meter-D	0.7778	0.1111	0.7778	0.7000	0.1853
mfeat-fac	0.8750	0.0250	0.8750	0.8611	0.1118
mfeat-fou	0.6750	0.0650	0.6750	0.6389	0.2595
mfeat-kar	0.8250	0.0350	0.8250	0.8056	0.1734
mfeat-mor	0.6550	0.0690	0.6550	0.6167	0.2440
mfeat-pix	0.8750	0.0250	0.8750	0.8611	0.1236
mfeat-zer	0.6150	0.0770	0.6150	0.5722	0.2920
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4412	0.2235	0.4412	0.3031	0.5171
mobile	0.5420	0.0164	0.5420	0.5332	0.2087
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9500	0.0500	0.9500	0.8048	0.3691
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9817
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7206	0.2794	0.7206	0.4412	0.7929
MUT_ci034254q_MACCS	0.5738	0.4262	0.5738	0.1464	0.9478
MUT_ci300400a	0.8020	0.1980	0.8020	0.5958	0.6656
MUT_ci300400a_cdk_ECFP2	0.6110	0.3929	0.6040	0.0880	0.6820
myocardial	0.8706	0.0324	0.8706	0.4241	0.2952
naticusdroid	0.9669	0.0331	0.9669	0.9339	0.1957
nci9	0.5000	0.1111	0.5000	0.4000	0.1741
ncRNA10%	0.9030	0.0102	0.9030	0.7576	0.9162
newspop	0.5812	0.4188	0.5812	0.1592	0.9447
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.8815	0.1059	0.8831	0.7465	0.5044
NPHA-doctor-visits	0.3750	0.4167	0.3750	0.0000	0.8292
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9754	0.0909
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0149
oh0-wc	0.6931	0.0614	0.6931	0.6522	0.2564
oh10-wc	0.6190	0.0762	0.6190	0.5684	0.2748
oh15-wc	0.6522	0.0696	0.6522	0.6123	0.2600
oh5-wc	0.6264	0.0747	0.6264	0.5832	0.2706
opn310k	0.9066	0.0909	0.8963	0.0379	0.2439
opnat310k-hg16-17	0.9199	0.0906	0.9174	0.0317	0.2593
optdigits	0.8737	0.0253	0.8737	0.8597	0.1416
optdigitsZ	0.9929	0.0071	0.9929	0.9561	0.1305
orl	0.5500	0.0225	0.5500	0.5385	0.1037
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.1935	0.6177
ozone8hr	0.8854	0.1146	0.8854	0.0068	0.7093
p53-mutants10%	0.9992	0.0032	0.9812	0.0000	0.0145
page-blocks	0.9708	0.0117	0.9708	0.8451	0.2860

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8874	0.1082	0.8870	0.7424	0.5027
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9009	0.0991	0.9009	0.2995	0.6610
pcmac	0.6019	0.4058	0.5876	0.0797	0.8223
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.8824	0.0336	0.8824	0.8568	0.0779
pendigits	0.9490	0.0102	0.9490	0.9433	0.0705
period	0.7778	0.2222	0.7778	0.5714	0.5000
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4697	0.7432
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8968
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9633	0.0367	0.9633	0.9231	0.2202
phoneme	0.8907	0.1093	0.8907	0.7336	0.5072
phy	0.6450	0.3550	0.6450	0.2899	0.8854
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7201	0.0565	0.7301	0.4821	0.1988
polish-1st	0.9331	0.0669	0.9331	0.1107	0.6221
polish-2nd	0.9302	0.0698	0.9302	0.0173	0.6315
polish-3rd	0.9038	0.0962	0.9038	-0.0124	0.6272
polish-4th	0.9235	0.0765	0.9235	0.2315	0.6454
polish-5th	0.8951	0.1049	0.8951	0.1688	0.6789
polya	0.7016	0.2984	0.7016	0.3366	0.8356
popularity	0.5425	0.3050	0.5425	0.1637	0.6530
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9534	0.0186	0.9534	0.9417	0.0963
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.2727	0.0661	0.2727	0.2048	0.2587
profb	0.5522	0.4478	0.5522	0.0510	0.9317
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9816	0.0074	0.9816	0.9752	0.0453
pufs-6410%	0.5019	0.5092	0.5048	-0.0060	0.9978
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.6400	0.0554	0.6400	0.5391	0.4535
re1-wc	0.5291	0.0368	0.5380	0.4569	0.2376
rejafada	0.9890	0.0000	0.9980	1.0000	0.0000
relathe	0.9904	0.0000	0.9806	1.0000	0.0000
rnaseq	1.0000	0.0000	0.9929	0.9846	0.0000
rocket	0.6386	0.3614	0.6386	0.2580	0.8922
RT_IOT2022	0.8812	0.0226	0.8516	0.5568	0.1029
satimage	0.8460	0.0513	0.8460	0.8096	0.2321
satimageF	0.9767	0.0233	0.9767	0.8820	0.2909
satimageT	0.9207	0.0793	0.9207	0.5665	0.5827
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.7186	0.2856	0.7186	0.4585	0.5389
segment	0.9351	0.0186	0.9351	0.9241	0.0856
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8915	0.1085	0.8915	0.1641	0.6673
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7684	0.2316	0.7684	0.0511	0.7670
sens-2-gram	0.7789	0.2211	0.7789	0.1221	0.7555
sens-3-gram	0.8599	0.1544	0.8588	0.0144	0.6975
sens-4-gram	0.8576	0.1459	0.8457	-0.0064	0.6532
sensorless	0.9897	0.0019	0.9897	0.9887	0.0187
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8670	0.1330	0.8670	0.4854	0.6614
shuttle	0.9978	0.0006	0.9978	0.9937	0.0404
sick	0.9655	0.0345	0.9655	0.6930	0.3904
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9994	0.0006	0.9994	0.9983	0.0101
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.7266	0.0911	0.7266	0.6532	0.2752
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9412	0.0062	0.9412	0.9355	0.0325
spambase	0.9239	0.0761	0.9239	0.8404	0.3651
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.4528	0.0228	0.4528	0.4204	0.1731
splice-EI	0.9527	0.0473	0.9527	0.8741	0.2976
splice-IE	0.9085	0.0915	0.9085	0.7502	0.4814
sport-articles	0.6900	0.3100	0.6900	0.3600	0.8245
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7795	0.2205	0.7795	0.3534	0.7680
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8998	0.0668	0.8998	0.8366	0.2318
steel-k	0.9744	0.0256	0.9744	0.9206	0.1989
steel-o	0.8103	0.1897	0.8103	0.5865	0.6655
steel-p	0.9282	0.0718	0.9282	0.5234	0.5906
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3077	0.4615	0.3077	-0.1038	0.7596
student-weekend	0.4154	0.2338	0.4154	0.1973	0.7061
student-workday	0.6875	0.1250	0.6875	0.0824	0.3405
susy10%	0.7684	0.2411	0.7738	0.5077	0.6764
swarm_aligned	1.0000	0.0000	1.0000	0.9920	0.0000
swarm_flocking	0.9842	0.0000	0.9856	1.0000	0.0000
swarm_grouped	1.0000	0.0000	0.9816	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4790
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9309	0.0126	0.9309	0.9238	0.0763
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.1282	0.7808
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.7407	0.2500	0.7589	0.0118	0.5371
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.5882	0.2059	0.5882	0.4413	0.3733
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0465	0.9106
trec11-wc	0.5854	0.0921	0.5854	0.5064	0.3118
trec12-wc	0.7097	0.0726	0.7097	0.6329	0.1841

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4565	0.2567
trec23-wc	0.7619	0.0794	0.7619	0.6635	0.1854
trec31-wc	0.9436	0.0151	0.9460	0.9294	0.0896
trec41-wc	0.9481	0.0138	0.9361	0.9325	0.0871
trec45-wc	0.8742	0.0229	0.9007	0.8615	0.0846
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.8000	0.1000	0.8000	0.7333	0.2778
tvnews	0.8518	0.1576	0.8445	0.6450	0.5910
urban	0.7164	0.0630	0.7164	0.6680	0.2389
vehicle	0.7619	0.1190	0.7619	0.6748	0.2868
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.3737	0.1139	0.3737	0.3111	0.3116
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9037	0.0904	0.9057	-0.0011	0.2554
wap-wc	0.2006	0.0796	0.1973	0.0998	0.3386
warpar10p	0.5385	0.0923	0.5385	0.4765	0.1291
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.8790	0.0322	0.9009	0.8840	0.1230
watch-gyr10%	0.9002	0.0257	0.8955	0.9027	0.1167
waveform	0.7360	0.1760	0.7360	0.6038	0.4752
web-phishing	0.8815	0.0790	0.8815	0.7895	0.3610
weight-lift	0.6618	0.1293	0.6592	0.5864	0.2937
white-clover	0.3333	0.3333	0.3333	-0.0909	0.3403
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0467
wilt	0.9793	0.0207	0.9793	0.7968	0.4165
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6730	0.1090	0.6730	0.4681	0.3624
winequality-white	0.6299	0.1058	0.6299	0.4189	0.4273
winnipeg	0.8575	0.0438	0.8182	0.7749	0.0899
yale	0.4375	0.0750	0.4375	0.4000	0.1747
yeast	0.5270	0.0946	0.5270	0.3865	0.3497
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8473	0.0305	0.8473	0.8290	0.1815
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 193: Detailed results for ERLPBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1667	0.0576	0.1654	0.0734	0.4038
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9747	0.0253	0.9747	0.2574	0.5785
ads	0.9634	0.0366	0.9634	0.8483	0.3266
adult	0.8564	0.1477	0.8489	0.5453	0.5914
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9997	0.0003	0.9997	0.9537	0.0020
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8283	0.1145	0.8283	0.0361	0.6410
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9776	0.0224	0.9776	-0.0110	0.4850
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9871	0.0129	0.9871	0.1286	0.5083
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9492	0.0615
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9569	0.0108	0.9569	0.9282	0.0917
anuran-species	0.9625	0.0075	0.9625	0.9478	0.0651
aps-failure	0.9908	0.0092	0.9908	0.7219	0.3599
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6889	0.0479	0.6889	0.5224	0.2592
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7333	0.1535
avila	0.9569	0.0072	0.9569	0.9435	0.0660
balance	0.8065	0.1290	0.8065	0.6603	0.4081
bank	0.8895	0.1105	0.8895	0.4709	0.6487
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8364	0.1636	0.8364	0.6452	0.6094
basehock	0.9357	0.0692	0.9320	0.8436	0.3425
bio	0.9806	0.0043	0.9950	0.6878	0.0573
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9802	0.0000	0.9735	0.1523	0.3272
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5000	0.5000	0.5000	-0.1395	0.9404
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.6000	0.1143	0.6000	0.4286	0.2185
bub10at310k-hg16-17	0.9023	0.0913	0.9118	0.0300	0.2294
bze_3d_rdkit_descriptors	0.7317	0.2683	0.7317	0.2471	0.8153
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.8545	0.0291	0.8545	0.8258	0.1886
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8477	0.2521
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6748	0.3482
cas_N6512_cdk_ECFP2	0.6094	0.3986	0.6067	0.1557	0.8396
cdc_diabetes	0.8601	0.0996	0.8447	0.1310	0.2796
census10%	0.9902	0.0470	0.9550	0.4232	0.3777
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9186	0.0814	0.9186	0.1798	0.6596
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9186	0.0814	0.9186	0.4890	0.5993
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9901	0.0003	1.0000	0.8598	0.2076
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6534	0.6013
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.5895	0.4105	0.5895	0.1683	0.9137
cirrhosis	0.7143	0.1905	0.7143	0.4286	0.5050
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7583	0.1208	0.7583	0.6344	0.4758
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.9000	0.1000	0.9000	0.3902	0.6445
cmc	0.5102	0.3265	0.5102	0.2300	0.7343
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0615
codon_usage	0.8465	0.0279	0.8465	0.8127	0.2202
coil20	0.9861	0.0014	0.9861	0.9854	0.0095
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	1.0000	0.0101	0.9999	0.5064	0.0305
cottonmeloidogyne	0.6803	0.3197	0.6803	0.3606	0.8456
coupon	0.6916	0.3084	0.6916	0.3708	0.8351
covtype	0.7190	0.0818	0.7139	0.5291	0.3220
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3093	0.7760
crowdsourced	0.9115	0.0295	0.9115	0.8160	0.2407
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0904
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7420	0.2580	0.7420	0.2772	0.8057
deposit	0.8735	0.1265	0.8735	0.4081	0.6775
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.8611	0.1320	0.8747	0.7227	0.4574
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6441	0.6171
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5756	0.2772	0.5870	0.1568	0.5336
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5535	0.4440	0.5529	0.0750	0.8522
dropout	0.7043	0.1971	0.7043	0.5201	0.5720
drug-01	0.3245	0.1930	0.3245	0.0079	0.7532
drug-02	0.4255	0.1641	0.4255	0.1106	0.7748
drug-03	0.5798	0.1201	0.5798	0.0345	0.5441
drug-04	0.4096	0.1687	0.4096	0.1082	0.7145
drug-05	0.6649	0.0957	0.6649	0.0577	0.6321
drug-06	0.3298	0.1915	0.3298	0.1877	0.6882
drug-07	0.3830	0.1763	0.3830	0.0383	0.5807
drug-08	0.4521	0.1565	0.4521	0.0797	0.7557
drug-09	0.8191	0.0517	0.8191	0.1084	0.4904
drug-10	0.4947	0.1444	0.4947	0.1499	0.6947
drug-11	0.7979	0.0578	0.7979	0.1856	0.6296
drug-12	0.7181	0.0805	0.7181	0.0595	0.4281
drug-13	0.5372	0.1322	0.5372	0.1719	0.6397
drug-14	0.5479	0.1292	0.5479	0.2188	0.5436
drug-15	0.7500	0.0714	0.7500	0.1533	0.5385
drug-16	0.5160	0.1383	0.5160	0.2220	0.5866
drug-17	0.2606	0.2112	0.2606	0.0638	0.7932
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6755	0.0927	0.6755	0.0395	0.5208
drybean	0.9001	0.0285	0.9001	0.8792	0.1552
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.4598	0.0675	0.4598	0.4015	0.6165
eeg-eye	0.7864	0.2136	0.7864	0.5687	0.6916
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4362	0.7630
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5114	0.6808
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.6438	0.1425	0.6438	0.5398	0.3987
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.8996	0.1007	0.9077	0.8114	0.4070
fbis-wc	0.6992	0.0354	0.6992	0.6589	0.2949
fda.atompair_fp	0.5909	0.4091	0.5909	0.0198	0.9114
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.6000	0.1000	0.6000	0.5166	0.1846
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5336	0.0063	0.5263	0.5148	0.5644
forest	0.8846	0.0577	0.8846	0.8413	0.1888
gas	0.9827	0.0058	0.9827	0.9791	0.0414
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.5158	0.3228	0.5158	0.0701	0.7678
gene	0.9243	0.0505	0.9243	0.8780	0.2115
german	0.6900	0.3100	0.6900	0.3049	0.8513
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.8810	0.1190	0.8810	0.7531	0.4840
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.5667	0.4333	0.5667	-0.0656	0.9236
hapt	0.8814	0.0226	0.8740	0.8328	0.1368
har70	0.9159	0.0230	0.9511	0.8865	0.1177
harth10%	0.8512	0.0255	0.8474	0.7984	0.2037
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8062	0.2059	0.7990	0.5966	0.5869
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.5554	0.4407	0.5502	0.0490	0.5886
higher	0.2857	0.1786	0.2857	0.1411	0.3516
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9485	0.0468	0.9488	-0.0179	0.6029
horse	0.5278	0.3148	0.5278	0.1851	0.7071
htru2	0.9609	0.0391	0.9609	0.7725	0.4289
ht-sensor	0.8123	0.1260	0.8247	0.7292	0.3432
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8357	0.0126	0.8357	0.8291	0.1317
jm1	0.7594	0.2406	0.7594	0.1982	0.8123
fvowels	0.9197	0.0178	0.9197	0.9090	0.1268
kc1	0.7962	0.2038	0.7962	0.1769	0.7842
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3000	0.0600
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8856	0.0127	0.8856	0.8723	0.1488
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5188	0.1597	0.4947	0.3203	0.3238
la2s-wc	0.5008	0.1673	0.5082	0.2923	0.3321
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4118	0.0294	0.4118	0.3945	0.0964
led24	0.4500	0.1100	0.4500	0.3803	0.2269
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9220	0.0060	0.9220	0.9188	0.0883
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0747
linkage10%	0.9908	0.0001	0.9806	0.9826	0.0211
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.4901	0.0950	0.4826	0.2839	0.4175
lrs	0.7547	0.0491	0.7547	0.6662	0.2289
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1200
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8122	0.1878	0.8122	0.5890	0.6621

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6979	0.3021	0.6979	0.3927	0.8245
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8812	0.0792	0.8812	0.8190	0.2912
messidor	0.6435	0.3565	0.6435	0.2696	0.8901
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8462	0.1492
meter-D	0.8889	0.0556	0.8889	0.8475	0.1019
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.1017
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1915
mfeat-kar	0.9050	0.0190	0.9050	0.8944	0.1154
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2349
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0748
mfeat-zer	0.6900	0.0620	0.6900	0.6556	0.2303
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5930	0.3460
mobile	0.8147	0.0066	0.8147	0.8113	0.0818
monks-1	0.9455	0.0545	0.9455	0.8907	0.2185
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9464	0.0536	0.9464	0.8926	0.2736
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	1.0000
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9915
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8115
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.1770	0.9363
MUT_ci300400a	0.8095	0.1905	0.8095	0.6111	0.6512
MUT_ci300400a_cdk_ECFP2	0.5988	0.3846	0.6040	0.0854	0.6859
myocardial	0.8647	0.0338	0.8647	0.3288	0.2922
naticusdroid	0.9700	0.0300	0.9700	0.9400	0.1817
nci9	0.1667	0.1852	0.1667	0.0625	0.2131
ncRNA10%	0.9094	0.0094	0.9245	0.7292	0.4392
newspop	0.5832	0.4168	0.5832	0.1631	0.9431
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.8788	0.1086	0.8924	0.7277	0.4863
NPHA-doctor-visits	0.3889	0.4074	0.3889	0.0195	0.8332
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9740	0.0932
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8218	0.0356	0.8218	0.7947	0.1577
oh10-wc	0.7429	0.0514	0.7429	0.7059	0.2306
oh15-wc	0.6413	0.0717	0.6413	0.5923	0.3422
oh5-wc	0.6154	0.0769	0.6154	0.5671	0.3552
opn310k	0.9284	0.0885	0.9075	0.0390	0.2460
opnat310k-hg16-17	0.9030	0.0894	0.8959	0.0326	0.2618
optdigits	0.9413	0.0117	0.9413	0.9347	0.0797
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8250	0.0088	0.8250	0.8205	0.0308
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.1935	0.6177
ozone8hr	0.8854	0.1146	0.8854	0.0068	0.7093
p53-mutants10%	0.9975	0.0032	0.9992	0.0000	0.0146
page-blocks	0.9835	0.0066	0.9835	0.9098	0.1733

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8879	0.1092	0.8731	0.7370	0.5010
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9279	0.0721	0.9279	0.3909	0.6055
pcmac	0.6006	0.4048	0.5919	0.0799	0.8282
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.7647	0.0672	0.7647	0.7103	0.1835
pendigits	0.9691	0.0062	0.9691	0.9656	0.0506
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7629	0.2371	0.7629	0.4559	0.7511
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8960
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9633	0.0367	0.9633	0.9231	0.2202
phoneme	0.8889	0.1111	0.8889	0.7296	0.5126
phy	0.6472	0.3528	0.6472	0.2943	0.8830
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7241	0.0548	0.7285	0.4813	0.1970
polish-1st	0.9260	0.0740	0.9260	0.0651	0.6107
polish-2nd	0.9361	0.0639	0.9361	0.0258	0.6398
polish-3rd	0.9219	0.0781	0.9219	0.0069	0.6578
polish-4th	0.9276	0.0724	0.9276	0.2725	0.6394
polish-5th	0.8900	0.1100	0.8900	0.1577	0.6776
polya	0.6941	0.3059	0.6941	0.3220	0.8447
popularity	0.5670	0.2887	0.5670	0.1379	0.7019
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9739	0.0104	0.9739	0.9673	0.0634
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.4242	0.0523	0.4242	0.3705	0.2128
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9863	0.0055	0.9863	0.9816	0.0431
pufs-6410%	0.5025	0.5078	0.4999	-0.0061	0.9800
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.7400	0.0400	0.7400	0.6705	0.3806
re1-wc	0.5403	0.0366	0.5267	0.4489	0.2394
rejafada	1.0000	0.0000	1.0000	0.9944	0.0000
relathe	0.9900	0.0000	0.9855	1.0000	0.0000
rnaseq	0.9895	0.0000	1.0000	1.0000	0.0000
rocket	0.6401	0.3599	0.6401	0.2581	0.8925
RT_IOT2022	0.8610	0.0222	0.8604	0.5673	0.1022
satimage	0.8663	0.0446	0.8663	0.8354	0.2193
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9207	0.0793	0.9207	0.5665	0.5827
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.7206	0.2799	0.7235	0.4550	0.5246
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.1561	0.6642
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.7711	0.2289	0.7711	0.0837	0.7605
sens-3-gram	0.8390	0.1499	0.8497	0.0142	0.7005
sens-4-gram	0.8451	0.1483	0.8551	-0.0064	0.6592
sensorless	0.9920	0.0015	0.9920	0.9912	0.0155
sepsis	0.9246	0.0904	0.9151	0.0000	0.2124
shoppers	0.8670	0.1330	0.8670	0.4831	0.6616
shuttle	0.9995	0.0001	0.9995	0.9985	0.0157
sick	0.9629	0.0371	0.9629	0.6625	0.4011
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9788	0.0056	1.0000	0.9685	0.0812
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.7410	0.0863	0.7410	0.6691	0.2081
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9217	0.0783	0.9217	0.8357	0.3713
spect	0.5926	0.4074	0.5926	0.0000	0.8501
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.3962	0.0252	0.3962	0.3695	0.1873
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles	0.6800	0.3200	0.6800	0.3429	0.8319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7795	0.2205	0.7795	0.3644	0.7631
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8970	0.0687	0.8970	0.8320	0.2390
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.2462	0.3015	0.2462	-0.0311	0.7416
student-workday	0.6406	0.1437	0.6406	0.0742	0.4802
susy10%	0.7564	0.2430	0.7679	0.5086	0.6764
swarm_aligned	0.9948	0.0000	1.0000	0.9816	0.0000
swarm_flocking	1.0000	0.0000	0.9793	0.9874	0.0000
swarm_grouped	1.0000	0.0000	0.9760	0.9846	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9636	0.0066	0.9636	0.9599	0.0495
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.1282	0.7808
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.7388	0.2514	0.7523	0.0121	0.5540
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5278	0.3594
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0965	0.9113
trec11-wc	0.7073	0.0650	0.7073	0.6298	0.2519
trec12-wc	0.6452	0.0887	0.6452	0.5611	0.2218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5541	0.2248
trec23-wc	0.8095	0.0635	0.8095	0.7246	0.1362
trec31-wc	0.9424	0.0151	0.9335	0.9270	0.0882
trec41-wc	0.9375	0.0134	0.9181	0.9312	0.0858
trec45-wc	0.9010	0.0228	0.8895	0.8703	0.0840
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.6500	0.1750	0.6500	0.5333	0.4514
tvnews	0.8534	0.1577	0.8328	0.6450	0.5817
urban	0.8209	0.0398	0.8209	0.7896	0.1465
vehicle	0.7738	0.1131	0.7738	0.6961	0.2664
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4545	0.0992	0.4545	0.4000	0.2674
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8998	0.0911	0.9049	-0.0011	0.2532
wap-wc	0.2017	0.0794	0.2026	0.0986	0.3494
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0999
warppiel0p	0.9524	0.0095	0.9524	0.9471	0.0265
watch-acc10%	0.8776	0.0323	0.8998	0.8844	0.1199
watch-gyr10%	0.9097	0.0257	0.9253	0.8942	0.1188
waveform	0.7180	0.1880	0.7180	0.5769	0.5380
web-phishing	0.8667	0.0889	0.8667	0.7645	0.3915
weight-lift	0.6689	0.1310	0.6670	0.5785	0.2999
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6226	0.1258	0.6226	0.3927	0.5591
winequality-white	0.6339	0.1046	0.6339	0.4385	0.4772
winnipeg	0.8777	0.0438	0.8429	0.7934	0.0920
yale	0.6875	0.0417	0.6875	0.6653	0.0797
yeast	0.5743	0.0851	0.5743	0.4509	0.3629
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9258	0.0148	0.9258	0.9168	0.1119
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 194: Detailed results for ERLPBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1627	0.0575	0.1671	0.0722	0.3986
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9747	0.0253	0.9747	0.2574	0.5785
ads	0.9634	0.0366	0.9634	0.8483	0.3266
adult	0.8510	0.1484	0.8378	0.5421	0.5886
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9997	0.0003	0.9997	0.9537	0.0020
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8586	0.0943	0.8586	-0.0267	0.5504
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9776	0.0224	0.9776	-0.0110	0.4850
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9871	0.0129	0.9871	0.1286	0.5083
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0814
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9346	0.0163	0.9346	0.8887	0.1136
anuran-species	0.9403	0.0119	0.9403	0.9170	0.0817
aps-failure	0.9908	0.0092	0.9908	0.7219	0.3599
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6000	0.0615	0.6000	0.4113	0.3235
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8022	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9248	0.0125	0.9248	0.9004	0.0993
balance	0.7742	0.1505	0.7742	0.6026	0.4855
bank	0.8893	0.1107	0.8893	0.4692	0.6494
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8364	0.1636	0.8364	0.6452	0.6094
basehock	0.9222	0.0703	0.9229	0.8762	0.3326
bio	1.0000	0.0044	0.9969	0.6770	0.0582
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9998	0.0000	0.9925	0.1510	0.3316
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.5000	0.5000	0.5000	-0.1395	0.9404
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7708	0.0946
bridges	0.7000	0.0857	0.7000	0.5946	0.1534
bub10at310k-hg16-17	0.9165	0.0892	0.9257	0.0291	0.2329
bze_3d_rdkit_descriptors	0.7317	0.2683	0.7317	0.2471	0.8153
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9425	0.0287	0.9425	0.8788	0.1992
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.8216	0.0357	0.8216	0.7884	0.2350
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8194	0.2300
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4059	0.4861
cas_N6512_cdk_ECFP2	0.5951	0.4043	0.6063	0.1541	0.8623
cdc_diabetes	0.8527	0.0994	0.8414	0.1334	0.2749
census10%	0.9610	0.0466	0.9646	0.4199	0.3742
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9186	0.0814	0.9186	0.1798	0.6596
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	1.0000	0.0003	1.0000	0.8318	0.2035
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6534	0.6013
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.5895	0.4105	0.5895	0.1683	0.9137
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7574	0.1213	0.7574	0.6358	0.4988
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5000	0.3333	0.5000	0.2500	0.6132
cm1	0.9000	0.1000	0.9000	0.3902	0.6445
cmc	0.4830	0.3447	0.4830	0.1779	0.7217
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1108
codon_usage	0.8012	0.0361	0.8012	0.7552	0.2326
coil20	0.9167	0.0083	0.9167	0.9123	0.0495
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.7097	0.1935	0.7097	0.5365	0.3163
connect-4	0.9958	0.0100	0.9897	0.5145	0.0311
cottonmeloidogyne	0.6779	0.3221	0.6779	0.3558	0.8484
coupon	0.6916	0.3084	0.6916	0.3708	0.8351
covtype	0.7249	0.0815	0.7281	0.5431	0.3173
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3093	0.7760
crowdsourced	0.8839	0.0387	0.8839	0.7651	0.3422
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2603	0.1589
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7423	0.2577	0.7423	0.2778	0.8055
deposit	0.8735	0.1265	0.8735	0.4081	0.6775
dermatology	0.9189	0.0270	0.9189	0.8984	0.0887
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.8606	0.1341	0.8756	0.7461	0.4585
dhfr_cdk_ECFP2	0.8289	0.1711	0.8289	0.6441	0.6171
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5855	0.2820	0.5902	0.1566	0.5392
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5644	0.4410	0.5477	0.0738	0.8817
dropout	0.6817	0.2122	0.6817	0.4842	0.5504
drug-01	0.3777	0.1778	0.3777	0.0758	0.7412
drug-02	0.3723	0.1793	0.3723	0.1297	0.7004
drug-03	0.6330	0.1049	0.6330	0.0336	0.6310
drug-04	0.3457	0.1869	0.3457	0.1017	0.7434
drug-05	0.6862	0.0897	0.6862	0.0001	0.7053
drug-06	0.2979	0.2006	0.2979	0.1340	0.6819
drug-07	0.3511	0.1854	0.3511	-0.0249	0.5501
drug-08	0.5213	0.1368	0.5213	0.1542	0.5758
drug-09	0.8298	0.0486	0.8298	0.0342	0.4815
drug-10	0.4894	0.1459	0.4894	0.0672	0.6651
drug-11	0.8032	0.0562	0.8032	0.1143	0.5119
drug-12	0.7074	0.0836	0.7074	-0.0244	0.6725
drug-13	0.5319	0.1337	0.5319	0.1261	0.7451
drug-14	0.5372	0.1322	0.5372	0.1633	0.6285
drug-15	0.6809	0.0912	0.6809	0.0105	0.6754
drug-16	0.4840	0.1474	0.4840	0.1145	0.6100
drug-17	0.2287	0.2204	0.2287	0.0859	0.7161
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7181	0.0805	0.7181	0.0928	0.7390
drybean	0.8655	0.0384	0.8655	0.8381	0.1968
ecoli	0.8235	0.0441	0.8235	0.7469	0.1276
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.3173	0.0853	0.3173	0.2624	0.6536
eeg-eye	0.7850	0.2150	0.7850	0.5657	0.6940
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5926	0.6526
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7541	0.2459	0.7541	0.4362	0.7630
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7705	0.2295	0.7705	0.5114	0.6808
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.4876	0.0984
eucalyptus	0.5753	0.1699	0.5753	0.4422	0.4218
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.8897	0.1012	0.8993	0.8060	0.4039
fbis-wc	0.6626	0.0397	0.6626	0.6247	0.2810
fda.atompair_fp	0.5909	0.4091	0.5909	0.0198	0.9114
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.8000	0.0500	0.8000	0.7436	0.1112
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.5449	0.0061	0.5260	0.5209	0.5661
forest	0.7885	0.1058	0.7885	0.7079	0.2970
gas	0.9770	0.0077	0.9770	0.9721	0.0504
gastrointestinal	0.7500	0.1667	0.7500	0.5556	0.2576
gender	0.5453	0.3032	0.5453	0.1417	0.7520
gene	0.8707	0.0862	0.8707	0.7964	0.3147
german	0.6900	0.3100	0.6900	0.3049	0.8513
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7143	0.0952	0.7143	0.5935	0.2614
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7510	0.4680
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4667	0.2667	0.4667	0.2547	0.5873
haberman	0.5667	0.4333	0.5667	-0.0656	0.9236
hapt	0.8703	0.0221	0.8566	0.8369	0.1362
har70	0.9321	0.0233	0.9455	0.8822	0.1172
harth10%	0.8355	0.0249	0.8345	0.7976	0.2054
hayes-roth	0.6250	0.2500	0.6250	0.4217	0.3480
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8058	0.2100	0.8111	0.5913	0.5887
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.5394	0.4420	0.5598	0.0483	0.5892
higher	0.0714	0.2321	0.0714	-0.0898	0.4961
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8634	0.1366	0.8634	0.5030	0.6545
hiva	0.9505	0.0476	0.9591	-0.0181	0.6159
horse	0.6667	0.2222	0.6667	0.4041	0.5396
htru2	0.9609	0.0391	0.9609	0.7725	0.4289
ht-sensor	0.8227	0.1230	0.8057	0.7097	0.3391
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0596
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6855	0.0242	0.6855	0.6729	0.2148
jm1	0.7594	0.2406	0.7594	0.1829	0.8159
fvowels	0.8815	0.0263	0.8815	0.8658	0.1516
kc1	0.7962	0.2038	0.7962	0.1769	0.7842
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.1429	0.1521
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8859	0.0127	0.8859	0.8725	0.1575
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5234	0.1626	0.4962	0.3197	0.3212
la2s-wc	0.5056	0.1700	0.5057	0.2908	0.3272
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5401	0.1127
led24	0.4500	0.1100	0.4500	0.3855	0.2120
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8485	0.0117	0.8485	0.8424	0.1320
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6119	0.1724
linkage10%	1.0000	0.0001	1.0000	0.9885	0.0211
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.4911	0.0953	0.4880	0.2858	0.4204
lrs	0.7925	0.0415	0.7925	0.7181	0.1969
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1952
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0208
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8122	0.1878	0.8122	0.5890	0.6621

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6979	0.3021	0.6979	0.3974	0.8172
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6987	0.4054
messidor	0.6435	0.3565	0.6435	0.2696	0.8901
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.0948
meter-D	0.7778	0.1111	0.7778	0.6949	0.2245
mfeat-fac	0.8950	0.0210	0.8950	0.8833	0.1066
mfeat-fou	0.6700	0.0660	0.6700	0.6333	0.2645
mfeat-kar	0.8150	0.0370	0.8150	0.7944	0.1795
mfeat-mor	0.6650	0.0670	0.6650	0.6278	0.2386
mfeat-pix	0.8850	0.0230	0.8850	0.8722	0.1185
mfeat-zer	0.6400	0.0720	0.6400	0.6000	0.2743
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4412	0.2235	0.4412	0.3031	0.5171
mobile	0.5385	0.0165	0.5385	0.5296	0.2113
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9452
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9915
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.8115
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.1770	0.9363
MUT_ci300400a	0.8095	0.1905	0.8095	0.6111	0.6512
MUT_ci300400a_cdk_ECFP2	0.6094	0.3928	0.5997	0.0861	0.6741
myocardial	0.8706	0.0324	0.8706	0.4241	0.2952
naticusdroid	0.9707	0.0293	0.9707	0.9414	0.1785
nci9	0.3333	0.1481	0.3333	0.2000	0.2131
ncRNA10%	0.9165	0.0094	0.9181	0.7376	0.4384
newspop	0.5832	0.4168	0.5832	0.1631	0.9431
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9034	0.1061	0.9008	0.7272	0.4890
NPHA-doctor-visits	0.4306	0.3796	0.4306	0.0599	0.8071
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9908	0.0092	0.9908	0.9740	0.0932
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0149
oh0-wc	0.6832	0.0634	0.6832	0.6433	0.2384
oh10-wc	0.6000	0.0800	0.6000	0.5456	0.2859
oh15-wc	0.6413	0.0717	0.6413	0.5997	0.2611
oh5-wc	0.6264	0.0747	0.6264	0.5834	0.2606
opn310k	0.9242	0.0899	0.8939	0.0382	0.2469
opnat310k-hg16-17	0.8996	0.0908	0.9045	0.0329	0.2578
optdigits	0.8861	0.0228	0.8861	0.8735	0.1240
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.5500	0.0225	0.5500	0.5385	0.0932
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.1935	0.6177
ozone8hr	0.8854	0.1146	0.8854	0.0068	0.7093
p53-mutants10%	1.0000	0.0032	0.9835	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8933	0.1150

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8857	0.1078	0.8793	0.7371	0.5161
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9279	0.0721	0.9279	0.3909	0.6055
pcmac	0.6040	0.4078	0.5919	0.0786	0.8262
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.8529	0.0420	0.8529	0.8211	0.1313
pendigits	0.9490	0.0102	0.9490	0.9433	0.0713
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7680	0.2320	0.7680	0.4697	0.7432
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8960
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9592	0.0408	0.9592	0.9140	0.2301
phoneme	0.8889	0.1111	0.8889	0.7296	0.5126
phy	0.6470	0.3530	0.6470	0.2939	0.8832
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7258	0.0560	0.7252	0.4702	0.1970
polish-1st	0.9275	0.0725	0.9275	0.0676	0.6140
polish-2nd	0.9390	0.0610	0.9390	0.0018	0.6426
polish-3rd	0.9257	0.0743	0.9257	0.0121	0.6590
polish-4th	0.9296	0.0704	0.9296	0.2797	0.6375
polish-5th	0.8900	0.1100	0.8900	0.1761	0.6742
polya	0.6941	0.3059	0.6941	0.3220	0.8447
popularity	0.5382	0.3079	0.5382	0.1572	0.6508
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9536	0.0185	0.9536	0.9420	0.0951
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.2727	0.0661	0.2727	0.1976	0.2776
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9819	0.0072	0.9819	0.9757	0.0448
pufs-6410%	0.4888	0.5007	0.4996	-0.0059	1.0000
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.6600	0.0523	0.6600	0.5744	0.4098
re1-wc	0.5448	0.0372	0.5368	0.4549	0.2407
rejafada	1.0000	0.0000	0.9954	0.9839	0.0000
relathe	0.9958	0.0000	1.0000	0.9860	0.0000
rnaseq	0.9970	0.0000	1.0000	1.0000	0.0000
rocket	0.6401	0.3599	0.6401	0.2581	0.8925
RT_IOT2022	0.8581	0.0219	0.8497	0.5643	0.1019
satimage	0.8523	0.0492	0.8523	0.8175	0.2179
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9222	0.0778	0.9222	0.5779	0.5779
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.7149	0.2821	0.7245	0.4674	0.5219
segment	0.9437	0.0161	0.9437	0.9342	0.0781
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.1561	0.6642
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.7711	0.2289	0.7711	0.0837	0.7605
sens-3-gram	0.8316	0.1528	0.8395	0.0142	0.6965
sens-4-gram	0.8648	0.1493	0.8507	-0.0064	0.6636
sensorless	0.9891	0.0020	0.9891	0.9880	0.0196
sepsis	0.8953	0.0908	0.9153	0.0000	0.2097
shoppers	0.8670	0.1330	0.8670	0.4786	0.6618
shuttle	0.9971	0.0008	0.9971	0.9918	0.0459
sick	0.9629	0.0371	0.9629	0.6625	0.4011
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0056	0.9942	0.9722	0.0813
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.7194	0.0935	0.7194	0.6437	0.2818
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9412	0.0062	0.9412	0.9355	0.0325
spambase	0.9217	0.0783	0.9217	0.8357	0.3713
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.4528	0.0228	0.4528	0.4209	0.1750
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles	0.6800	0.3200	0.6800	0.3429	0.8319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7795	0.2205	0.7795	0.3644	0.7631
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8990	0.0674	0.8990	0.8344	0.2350
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3077	0.4615	0.3077	-0.1038	0.7596
student-weekend	0.4154	0.2338	0.4154	0.1886	0.6923
student-workday	0.7031	0.1187	0.7031	0.1239	0.3329
susy10%	0.7521	0.2369	0.7637	0.5056	0.6879
swarm_aligned	0.9880	0.0000	0.9965	0.9658	0.0000
swarm_flocking	0.9845	0.0000	1.0000	0.9919	0.0000
swarm_grouped	0.9885	0.0000	0.9638	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9273	0.0132	0.9273	0.9198	0.0803
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.1282	0.7808
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.7401	0.2494	0.7441	0.0123	0.5420
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.5882	0.2059	0.5882	0.4413	0.3184
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.1398	0.9213
trec11-wc	0.5610	0.0976	0.5610	0.4770	0.3312
trec12-wc	0.7097	0.0726	0.7097	0.6314	0.1935

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4565	0.2567
trec23-wc	0.8095	0.0635	0.8095	0.7316	0.2015
trec31-wc	0.9629	0.0156	0.9376	0.9377	0.0878
trec41-wc	0.9327	0.0138	0.9230	0.9277	0.0862
trec45-wc	0.8764	0.0229	0.8979	0.8744	0.0848
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.7500	0.1250	0.7500	0.6667	0.3458
tvnews	0.8292	0.1574	0.8316	0.6606	0.5791
urban	0.7164	0.0630	0.7164	0.6677	0.2406
vehicle	0.7619	0.1190	0.7619	0.6753	0.2894
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.3737	0.1139	0.3737	0.3111	0.3111
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9162	0.0905	0.8910	-0.0011	0.2517
wap-wc	0.2011	0.0792	0.1962	0.0980	0.3420
warpar10p	0.6154	0.0769	0.6154	0.5667	0.1104
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.8700	0.0319	0.8850	0.8724	0.1211
watch-gyr10%	0.9169	0.0256	0.9036	0.9081	0.1172
waveform	0.7340	0.1773	0.7340	0.6008	0.4766
web-phishing	0.8667	0.0889	0.8667	0.7659	0.3854
weight-lift	0.6693	0.1296	0.6661	0.5959	0.3002
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0380
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6541	0.1153	0.6541	0.4336	0.3653
winequality-white	0.6401	0.1028	0.6401	0.4364	0.4091
winnipeg	0.8468	0.0447	0.8369	0.7696	0.0917
yale	0.3750	0.0833	0.3750	0.3333	0.2194
yeast	0.5338	0.0932	0.5338	0.3949	0.3479
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8559	0.0288	0.8559	0.8386	0.1675
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 195: Detailed results for SoftBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1540	0.0588	0.1537	0.0810	0.6224
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9747	0.0253	0.9747	0.2574	0.5785
ads	0.8490	0.1418	0.8631	0.0000	0.2839
adult	0.7641	0.2371	0.7665	0.0000	0.3949
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9457	0.0689	0.9407	0.0000	0.1720
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9938	0.0036	1.0000	0.0000	0.0165
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.828283	0.0812	0.8820	0.0000	0.1514
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9972	0.0092	0.9950	0.0000	0.0355
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9794	0.0061	0.9851	0.0000	0.0251
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9777	0.0111	0.9777	0.9573	0.0525
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9624	0.0094	0.9624	0.9376	0.0754
anuran-species	0.9639	0.0072	0.9639	0.9497	0.0544
aps-failure	0.9805	0.0079	0.9781	0.7703	0.3146
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6889	0.0479	0.6889	0.5224	0.2592
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7333	0.1535
avila	0.9903	0.0002	0.9934	1.0000	0.0067
balance	0.8065	0.1290	0.8065	0.6603	0.4081
bank	0.8767	0.0866	0.9052	0.5342	0.5802
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8984	0.0970	0.9089	0.7755	0.4170
basehock	0.9146	0.0854	0.9146	0.8292	0.3676
bio	0.9962	0.0038	0.9962	0.7827	0.3559
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9749	0.0000	1.0000	0.1472	0.3245
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6071	0.3929	0.6071	0.1348	0.8777
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.6000	0.1143	0.6000	0.4286	0.2185
bub10at310k-hg16-17	0.9124	0.0778	0.9329	0.3926	0.5203
bze_3d_rdkit_descriptors	0.2170	0.7734	0.2193	0.0000	0.4129
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7592	0.2484	0.7448	0.4640	0.7685
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.7000	0.1523	0.6934	0.0000	0.2303
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.7700	0.0460	0.7700	0.7277	0.2395
cardiotocography-nsp	0.9665	0.0316	0.9623	0.8687	0.1352
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6748	0.3482
cas_N6512_cdk_ECFP2	0.4589	0.5468	0.4652	0.0000	0.5329
cdc_diabetes	0.8421	0.1065	0.8515	0.0056	0.1878
census10%	0.9255	0.0745	0.9255	0.3657	0.6319
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8721	0.1279	0.8721	-0.0677	0.6325
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.8955	0.1162	0.8802	-0.0391	0.6866
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9966	0.0002	1.0000	0.8740	0.2339
ci100410h_MACCS	0.7883	0.2218	0.7870	0.0000	0.3699
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8439	0.1495	0.8593	0.7046	0.5463
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6737	0.3263	0.6737	0.3105	0.8599
cirrhosis	0.7143	0.1905	0.7143	0.4286	0.5050
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.0000	0.5065	0.0000	-0.6632	0.4968
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8669	0.1389	0.8595	0.1443	0.7338
cmc	0.5238	0.3175	0.5238	0.2530	0.7179
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0615
codon_usage	0.8465	0.0279	0.8465	0.8127	0.2202
coil20	0.9861	0.0014	0.9861	0.9854	0.0095
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9876	0.0083	0.9876	0.7171	0.3529
cottonmeloidogyne	0.7791	0.2268	0.7696	0.5510	0.7116
coupon	0.5764	0.4363	0.5683	0.0000	0.5084
covtype	0.2630	0.2089	0.2643	0.0450	0.4326
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.2069	0.8108
crowdsourced	0.9115	0.0295	0.9115	0.8160	0.2407
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0904
cyclopentane	0.7360	0.2575	0.7483	0.4572	0.7247
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.5761	0.4347	0.5740	0.0000	0.5143
default	0.7987	0.1922	0.8066	0.3577	0.7179
deposit	0.8866	0.1155	0.8836	0.0000	0.2462
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5265	0.3157	0.5265	0.1233	0.7485
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5233	0.4690	0.5188	-0.0030	0.5904
dropout	0.7020	0.1986	0.7020	0.5165	0.5739
drug-01	0.3191	0.1945	0.3191	-0.0009	0.7550
drug-02	0.4255	0.1641	0.4255	0.1106	0.7748
drug-03	0.5798	0.1201	0.5798	0.0345	0.5441
drug-04	0.4202	0.1657	0.4202	0.1224	0.7103
drug-05	0.6649	0.0957	0.6649	0.0577	0.6321
drug-06	0.3298	0.1915	0.3298	0.1877	0.6882
drug-07	0.3830	0.1763	0.3830	0.0383	0.5807
drug-08	0.4468	0.1581	0.4468	0.0741	0.7598
drug-09	0.8191	0.0517	0.8191	0.1084	0.4904
drug-10	0.4947	0.1444	0.4947	0.1499	0.6947
drug-11	0.7979	0.0578	0.7979	0.1856	0.6296
drug-12	0.7181	0.0805	0.7181	0.0595	0.4281
drug-13	0.5372	0.1322	0.5372	0.1719	0.6397
drug-14	0.5532	0.1277	0.5532	0.2311	0.5401
drug-15	0.7500	0.0714	0.7500	0.1533	0.5385
drug-16	0.5213	0.1368	0.5213	0.2332	0.5826
drug-17	0.2606	0.2112	0.2606	0.0638	0.7932
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6755	0.0927	0.6755	0.0395	0.5208
drybean	0.8986	0.0290	0.8986	0.8775	0.1568
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.4605	0.0674	0.4605	0.4023	0.6160
eeg-eye	0.9597	0.0421	0.9580	0.9033	0.2273
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.3838	0.6169	0.3893	0.0000	0.5147
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4510	0.7177
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9020	0.2532
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6109	0.5306
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7377	0.2623	0.7377	0.3695	0.8009
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.6575	0.1370	0.6575	0.5571	0.3767
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9663	0.0337	0.9663	0.9324	0.1990
fbis-wc	0.6992	0.0354	0.6992	0.6589	0.2949
fda.atompair_fp	0.7377	0.2746	0.7352	0.0000	0.4242
fertility	0.7089	0.3027	0.7057	-0.1531	0.6318
flags	0.6000	0.1000	0.6000	0.5166	0.1846
fontaine_MACCS	0.3642	0.6367	0.3632	0.0000	0.5077
fonts10%	0.5513	0.0062	0.5379	0.5184	0.5644
forest	0.8846	0.0577	0.8846	0.8413	0.1888
gas	0.9827	0.0058	0.9827	0.9791	0.0414
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.5822	0.2837	0.5768	0.1308	0.6163
gene	0.9243	0.0505	0.9243	0.8780	0.2115
german	0.6900	0.3100	0.6900	0.3049	0.8513
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.3236	0.6884	0.3231	-0.3246	1.0000
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.4954	0.5021	0.4982	0.0000	0.5280
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.5667	0.4333	0.5667	0.0102	0.8956
hapt	0.9204	0.0133	0.9204	0.9059	0.0923
har70	0.9487	0.0184	0.9468	0.8974	0.1853
harth10%	0.8618	0.0251	0.8488	0.7819	0.2056
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8127	0.1873	0.8127	0.6254	0.6400
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6473	0.3527	0.6473	0.2922	0.8834
higher	0.2857	0.1786	0.2857	0.1411	0.3516
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8297	0.1716	0.8233	0.0000	0.3173
hiva	0.9711	0.0350	0.9777	0.0000	0.1040
horse	0.5833	0.2778	0.5833	0.2810	0.6628
htru2	0.9609	0.0391	0.9609	0.7725	0.4289
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0008
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6200	0.0292	0.6200	0.6048	0.1884
jm1	0.8076	0.1872	0.8113	0.3065	0.7252
fvowels	0.9197	0.0178	0.9197	0.9090	0.1268
kc1	0.7962	0.2038	0.7962	0.3483	0.7197
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3000	0.0600
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2747	0.8005
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.3619	0.0709	0.3619	0.2725	0.3489
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7492	0.0836	0.7492	0.6842	0.3894
la2s-wc	0.7649	0.0784	0.7649	0.7051	0.3352
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4118	0.0294	0.4118	0.3945	0.0964
led24	0.4500	0.1100	0.4500	0.3803	0.2269
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9215	0.0060	0.9215	0.9183	0.0888
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0747
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.7293	0.0502	0.7339	0.6484	0.3617
lrs	0.7547	0.0491	0.7547	0.6662	0.2289
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1200
lupus	0.6755	0.3298	0.6717	0.3462	0.8296
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8122	0.1878	0.8122	0.5890	0.6621

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6771	0.3229	0.6771	0.3474	0.8469
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7888	0.3247
messidor	0.6435	0.3565	0.6435	0.2696	0.8901
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8462	0.1492
meter-D	0.8889	0.0556	0.8889	0.8475	0.1019
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0951
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1915
mfeat-kar	0.9050	0.0190	0.9050	0.8944	0.1154
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2349
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0748
mfeat-zer	0.6850	0.0630	0.6850	0.6500	0.2274
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6165	0.1522	0.6183	0.5172	0.3859
mobile	0.8252	0.0062	0.8252	0.8220	0.0743
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9753	0.0360	0.9706	0.9390	0.1634
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9782
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.4941	0.4969	0.5004	0.0000	0.5275
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2428	0.9070
MUT_ci300400a	0.5705	0.4217	0.5670	0.0000	0.5173
MUT_ci300400a_cdk_ECFP2	0.4192	0.5807	0.4121	0.0000	0.5278
myocardial	0.8706	0.0324	0.8706	0.3431	0.2225
naticusdroid	0.5011	0.4988	0.4923	0.0000	0.5286
nci9	0.1667	0.1852	0.1667	0.0625	0.2131
ncRNA10%	0.9073	0.0090	0.9351	0.7720	0.4485
newspop	0.5832	0.4168	0.5832	0.1631	0.9431
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7239	0.2767	0.7237	0.1038	0.6292
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0128	0.8143
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9813	0.0074	0.9942	0.9801	0.0814
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8218	0.0356	0.8218	0.7947	0.1577
oh10-wc	0.7429	0.0514	0.7429	0.7059	0.2306
oh15-wc	0.6413	0.0717	0.6413	0.5923	0.3422
oh5-wc	0.6154	0.0769	0.6154	0.5671	0.3552
opn310k	0.9229	0.0761	0.9162	0.3688	0.4890
opnat310k-hg16-17	0.9129	0.0753	0.9130	0.3845	0.4713
optdigits	0.9395	0.0121	0.9395	0.9327	0.0829
optdigitsZ	0.9929	0.0071	0.9929	0.9561	0.1305
orl	0.8000	0.0100	0.8000	0.7949	0.0349
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	0.2088	0.6180
ozone8hr	0.8814	0.1186	0.8814	0.0550	0.7030
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9677	0.0074	0.9907	0.8990	0.1444

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	-0.1538	0.9932
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.9421	0.0552	0.9555	0.8575	0.3217
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.8649	0.1351	0.8649	0.2802	0.6222
pcmac	0.4948	0.5052	0.4948	-0.0496	1.0000
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.7647	0.0672	0.7647	0.7103	0.1835
pendigits	0.9691	0.0062	0.9691	0.9656	0.0510
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.3396	0.6674	0.3398	0.0000	0.5048
P-Glycoprotein_b_Substrate	0.5075	0.4962	0.5054	0.0000	0.5286
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9633	0.0367	0.9633	0.9231	0.2202
phoneme	0.8889	0.1111	0.8889	0.7296	0.5126
phy	0.6660	0.3528	0.6259	0.2949	0.9112
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.0002	0.1996	0.0002	-0.0000	0.2260
polish-1st	0.9848	0.0244	0.9749	0.6010	0.3337
polish-2nd	0.9620	0.0349	0.9562	0.3656	0.4569
polish-3rd	0.9497	0.0385	0.9681	0.4067	0.3710
polish-4th	0.9628	0.0300	0.9790	0.6556	0.3435
polish-5th	0.9608	0.0420	0.9565	0.6349	0.4412
polya	0.7948	0.1989	0.8100	0.5492	0.6614
popularity	0.5685	0.2877	0.5685	0.1401	0.7017
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9739	0.0104	0.9739	0.9673	0.0634
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3636	0.0579	0.3636	0.3179	0.2229
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9863	0.0055	0.9863	0.9816	0.0431
pufs-6410%	0.5017	0.4983	0.5017	0.0033	0.9991
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.2267	0.1190	0.2267	0.1092	0.3854
re1-wc	0.0366	0.0782	0.0366	-0.0888	0.3746
rejafada	0.9548	0.0452	0.9548	0.1603	0.6044
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9505	0.0797
rocket	0.6284	0.3716	0.6284	0.2358	0.9028
RT_IOT2022	0.9981	0.0007	1.0000	0.9870	0.0058
satimage	0.8740	0.0420	0.8740	0.8449	0.2073
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9191	0.0809	0.9191	0.5668	0.5883
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9990	0.0010	0.9990	0.9980	0.0109
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.1561	0.6642
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.7711	0.2289	0.7711	0.0693	0.7643
sens-3-gram	0.7895	0.2105	0.7895	0.1373	0.7585
sens-4-gram	0.7684	0.2316	0.7684	0.0511	0.7670
sensorless	0.9920	0.0015	0.9920	0.9912	0.0155
sepsis	0.9167	0.0917	0.9155	0.0031	0.2056
shoppers	0.8654	0.1346	0.8654	0.4768	0.6652
shuttle	1.0000	0.0001	0.9856	0.9884	0.0456
sick	0.9629	0.0371	0.9629	0.6625	0.4011
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0002	1.0000	1.0000	0.0063
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.7050	0.0983	0.7050	0.6273	0.3014
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.8529	0.0155	0.8529	0.8384	0.0402
spambase	0.6027	0.3977	0.6026	0.0000	0.4926
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.3962	0.0252	0.3962	0.3695	0.1873
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles	0.6800	0.3200	0.6800	0.3429	0.8319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7795	0.2205	0.7795	0.3644	0.7631
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.5172	0.3237	0.5049	0.2111	0.5486
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.2462	0.3015	0.2462	-0.0311	0.7416
student-workday	0.6406	0.1437	0.6406	0.0742	0.4802
susy10%	0.7163	0.2837	0.7163	0.4287	0.8006
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0070
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.6492
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9655	0.0063	0.9655	0.9619	0.0465
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.1476	0.8536	0.1507	0.0000	0.3169
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6930	0.5355
titanic	0.7273	0.2727	0.7273	0.3472	0.8107
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5278	0.3688
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0190	0.8888
trec11-wc	0.7073	0.0650	0.7073	0.6298	0.2519
trec12-wc	0.6452	0.0887	0.6452	0.5611	0.2218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5541	0.2248
trec23-wc	0.8095	0.0635	0.8095	0.7246	0.1362
trec31-wc	0.8925	0.0307	0.8925	0.8566	0.1401
trec41-wc	0.7955	0.0409	0.7955	0.7457	0.2060
trec45-wc	0.4638	0.1072	0.4638	0.3900	0.3170
tuandromd	0.2002	0.7984	0.2046	0.0000	0.3951
turkish	0.6500	0.1750	0.6500	0.5333	0.4514
tvnews	0.3862	0.6190	0.3835	0.0189	0.5837
urban	0.8209	0.0398	0.8209	0.7896	0.1465
vehicle	0.7738	0.1131	0.7738	0.6961	0.2664
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4545	0.0992	0.4545	0.4000	0.2674
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9309	0.0686	0.9200	0.4932	0.4894
wap-wc	0.7115	0.0288	0.7115	0.6777	0.1998
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0999
warppiel10p	0.9048	0.0190	0.9048	0.8942	0.0477
watch-acc10%	1.0000	0.0002	0.9827	0.9857	0.0024
watch-gyr10%	0.9683	0.0002	0.9970	0.9851	0.0022
waveform	0.7160	0.1893	0.7160	0.5740	0.5406
web-phishing	0.8667	0.0889	0.8667	0.7659	0.3875
weight-lift	0.9883	0.0047	0.9883	0.9852	0.0333
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6226	0.1258	0.6226	0.3927	0.5591
winequality-white	0.6339	0.1046	0.6339	0.4385	0.4772
winnipeg	1.0000	0.0004	0.9903	1.0000	0.0096
yale	0.6875	0.0417	0.6875	0.6653	0.0797
yeast	0.5743	0.0851	0.5743	0.4509	0.3629
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9258	0.0148	0.9258	0.9168	0.1119
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 196: Detailed results for SoftBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1548	0.0587	0.1543	0.0818	0.6229
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9747	0.0253	0.9747	0.2574	0.5785
ads	0.8668	0.1416	0.8619	0.0000	0.2807
adult	0.7675	0.2354	0.7716	0.0000	0.3870
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9349	0.0672	0.9398	0.0000	0.1675
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9932	0.0035	0.9821	0.0000	0.0161
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.828283	0.0796	0.8672	0.0000	0.1500
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9788	0.0093	0.9945	0.0000	0.0354
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9929	0.0061	0.9935	0.0000	0.0251
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0814
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9374	0.0156	0.9374	0.8934	0.0936
anuran-species	0.9361	0.0128	0.9361	0.9112	0.0840
aps-failure	0.9667	0.0078	0.9635	0.7681	0.3198
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6000	0.0615	0.6000	0.4113	0.3235
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8022	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9982	0.0002	0.9980	1.0000	0.0068
balance	0.7581	0.1613	0.7581	0.5738	0.5016
bank	0.8985	0.0869	0.8900	0.5380	0.5839
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8966	0.0969	0.9056	0.7965	0.4098
basehock	0.9146	0.0854	0.9146	0.8292	0.3676
bio	0.9962	0.0038	0.9962	0.7827	0.3559
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9730	0.0000	0.9922	0.1494	0.3272
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6071	0.3929	0.6071	0.1348	0.8777
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7708	0.0946
bridges	0.3000	0.2000	0.3000	0.2222	0.1501
bub10at310k-hg16-17	0.9165	0.0764	0.9306	0.3911	0.5260
bze_3d_rdkit_descriptors	0.2173	0.7908	0.2176	0.0000	0.4135
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7537	0.2477	0.7543	0.4638	0.7697
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9080	0.0460	0.9080	0.7940	0.2431
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.5399	0.0920	0.5399	0.4946	0.2363
cardiotocography-nsp	0.9579	0.0314	0.9415	0.8715	0.1326
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4059	0.4861
cas_N6512_cdk_ECFP2	0.4648	0.5414	0.4659	0.0000	0.5253
cdc_diabetes	0.8396	0.1066	0.8492	0.0056	0.1880
census10%	0.9255	0.0745	0.9255	0.3657	0.6319
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8837	0.1163	0.8837	-0.0617	0.6549
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.8926	0.1168	0.8827	-0.0382	0.6708
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9903	0.0002	0.9884	0.8647	0.2346
ci100410h_MACCS	0.7749	0.2206	0.7831	0.0000	0.3743
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8477	0.1459	0.8564	0.6911	0.5542
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6737	0.3263	0.6737	0.3105	0.8599
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.0000	0.5000	0.0000	-0.6680	0.4876
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5000	0.3333	0.5000	0.2500	0.6132
cm1	0.8521	0.1379	0.8702	0.1446	0.7364
cmc	0.5102	0.3265	0.5102	0.2317	0.7212
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1108
codon_usage	0.8012	0.0361	0.8012	0.7552	0.2326
coil20	0.9167	0.0083	0.9167	0.9123	0.0495
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.6897	0.3103	0.6897	0.3524	0.8399
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.7097	0.1935	0.7097	0.5365	0.3163
connect-4	0.9896	0.0069	0.9896	0.7890	0.3278
cottonmeloidogyne	0.7803	0.2255	0.7797	0.5469	0.7172
coupon	0.5615	0.4265	0.5735	0.0000	0.5140
covtype	0.2647	0.2074	0.2615	0.0456	0.4382
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.2069	0.8108
crowdsourced	0.8839	0.0387	0.8839	0.7651	0.3422
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2603	0.1589
cyclopentane	0.7446	0.2621	0.7359	0.4648	0.7287
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.5662	0.4268	0.5771	0.0000	0.5117
default	0.8194	0.1906	0.8162	0.3561	0.7187
deposit	0.8816	0.1187	0.8951	0.0000	0.2476
dermatology	0.9189	0.0270	0.9189	0.8984	0.0887
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5344	0.3104	0.5344	0.0841	0.6819
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5209	0.4725	0.5334	-0.0029	0.5765
dropout	0.6795	0.2137	0.6795	0.4806	0.5515
drug-01	0.3830	0.1763	0.3830	0.0806	0.7331
drug-02	0.3723	0.1793	0.3723	0.1297	0.7004
drug-03	0.6330	0.1049	0.6330	0.0336	0.6310
drug-04	0.3457	0.1869	0.3457	0.1017	0.7434
drug-05	0.6862	0.0897	0.6862	0.0001	0.7053
drug-06	0.2979	0.2006	0.2979	0.1348	0.6856
drug-07	0.3511	0.1854	0.3511	-0.0249	0.5501
drug-08	0.5213	0.1368	0.5213	0.1542	0.5758
drug-09	0.8298	0.0486	0.8298	0.0342	0.4815
drug-10	0.4894	0.1459	0.4894	0.0672	0.6651
drug-11	0.8032	0.0562	0.8032	0.1143	0.5119
drug-12	0.7074	0.0836	0.7074	-0.0244	0.6725
drug-13	0.5319	0.1337	0.5319	0.1261	0.7451
drug-14	0.5319	0.1337	0.5319	0.1501	0.6323
drug-15	0.6809	0.0912	0.6809	0.0105	0.6754
drug-16	0.4840	0.1474	0.4840	0.1145	0.6100
drug-17	0.2287	0.2204	0.2287	0.0808	0.7249
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7181	0.0805	0.7181	0.0928	0.7390
drybean	0.8655	0.0384	0.8655	0.8380	0.1961
ecoli	0.8235	0.0441	0.8235	0.7469	0.1276
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.3169	0.0854	0.3169	0.2620	0.6542
eeg-eye	0.9483	0.0425	0.9533	0.9215	0.2256
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.3890	0.6123	0.3816	0.0000	0.5194
er_tox_cdk_ECFP2	0.7667	0.2333	0.7667	0.4510	0.7177
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6197	0.5879
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9020	0.2532
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6109	0.5306
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7377	0.2623	0.7377	0.3695	0.8009
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.5753	0.1699	0.5753	0.4422	0.4218
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9663	0.0337	0.9663	0.9324	0.1990
fbis-wc	0.6626	0.0397	0.6626	0.6242	0.2782
fda.atompair_fp	0.7185	0.2705	0.7297	0.0000	0.4176
fertility	0.6942	0.3019	0.7092	-0.1533	0.6362
flags	0.8000	0.0500	0.8000	0.7436	0.1112
fontaine_MACCS	0.3585	0.6351	0.3597	0.0000	0.5096
fonts10%	0.5400	0.0061	0.5402	0.5146	0.5571
forest	0.7885	0.1058	0.7885	0.7079	0.2970
gas	0.9770	0.0077	0.9770	0.9721	0.0504
gastrointestinal	0.7500	0.1667	0.7500	0.5556	0.2576
gender	0.5799	0.2827	0.5705	0.1336	0.6076
gene	0.8707	0.0862	0.8707	0.7964	0.3147
german	0.6900	0.3100	0.6900	0.3049	0.8513
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7143	0.0952	0.7143	0.5935	0.2614
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.3256	0.6801	0.3245	-0.3225	1.0000
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.4950	0.5069	0.5057	0.0000	0.5357
grub-damage	0.3333	0.3333	0.3333	0.0196	0.4993
haberman	0.5667	0.4333	0.5667	0.0102	0.8956
hapt	0.8920	0.0180	0.8920	0.8732	0.1522
har70	0.9477	0.0180	0.9464	0.8985	0.1845
harth10%	0.8609	0.0252	0.8271	0.7698	0.2080
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8126	0.1874	0.8126	0.6252	0.6401
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6473	0.3527	0.6473	0.2922	0.8834
higher	0.0714	0.2321	0.0714	-0.0898	0.4961
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8179	0.1707	0.8380	0.0000	0.3174
hiva	0.9664	0.0355	0.9765	0.0000	0.1061
horse	0.5000	0.3333	0.5000	-0.0189	0.5382
htru2	0.9609	0.0391	0.9609	0.7725	0.4289
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0007
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0596
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6855	0.0242	0.6855	0.6729	0.2148
jm1	0.8133	0.1837	0.8051	0.3093	0.7400
fvowels	0.8815	0.0263	0.8815	0.8658	0.1516
kc1	0.8246	0.1754	0.8246	0.3592	0.7286
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.1429	0.1521
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2747	0.8005
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.1002	0.1000	0.1002	0.0010	0.3912
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7460	0.0847	0.7460	0.6876	0.3522
la2s-wc	0.7318	0.0894	0.7318	0.6686	0.3481
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5401	0.1127
led24	0.4500	0.1100	0.4500	0.3855	0.2120
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.8480	0.0117	0.8480	0.8419	0.1321
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6119	0.1724
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.7367	0.0502	0.7322	0.6405	0.3590
lrs	0.7925	0.0415	0.7925	0.7181	0.1969
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1952
lupus	0.6632	0.3322	0.6643	0.3411	0.8277
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0208
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8127	0.1873	0.8127	0.5900	0.6611

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6771	0.3229	0.6771	0.3525	0.8495
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7741	0.3212
messidor	0.6435	0.3565	0.6435	0.2696	0.8901
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.0948
meter-D	0.7778	0.1111	0.7778	0.6949	0.2245
mfeat-fac	0.8950	0.0210	0.8950	0.8833	0.1066
mfeat-fou	0.6650	0.0670	0.6650	0.6278	0.2781
mfeat-kar	0.8150	0.0370	0.8150	0.7944	0.1795
mfeat-mor	0.6600	0.0680	0.6600	0.6222	0.2335
mfeat-pix	0.8850	0.0230	0.8850	0.8722	0.1185
mfeat-zer	0.6550	0.0690	0.6550	0.6167	0.2780
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6177	0.1540	0.6257	0.5242	0.3851
mobile	0.5455	0.0162	0.5455	0.5368	0.2101
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9595	0.0360	0.9742	0.9392	0.1646
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9612
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.4967	0.4936	0.5013	0.0000	0.5309
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2428	0.9070
MUT_ci300400a	0.5719	0.4318	0.5715	0.0000	0.5162
MUT_ci300400a_cdk_ECFP2	0.4207	0.5810	0.4201	0.0000	0.5267
myocardial	0.8706	0.0324	0.8706	0.4113	0.3039
naticusdroid	0.5042	0.5075	0.4965	0.0000	0.5212
nci9	0.3333	0.1481	0.3333	0.2000	0.2131
ncRNA10%	0.8918	0.0091	0.9257	0.7567	0.4400
newspop	0.5832	0.4168	0.5832	0.1631	0.9431
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7317	0.2758	0.7295	0.1026	0.6307
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0851	0.7804
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	1.0000	0.0073	0.9986	0.9878	0.0803
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0149
oh0-wc	0.6832	0.0634	0.6832	0.6433	0.2384
oh10-wc	0.6000	0.0800	0.6000	0.5458	0.2826
oh15-wc	0.6413	0.0717	0.6413	0.5997	0.2611
oh5-wc	0.6264	0.0747	0.6264	0.5834	0.2606
opn310k	0.9127	0.0763	0.9265	0.3663	0.4934
opnat310k-hg16-17	0.9374	0.0750	0.9186	0.3857	0.4715
optdigits	0.8843	0.0231	0.8843	0.8716	0.1247
optdigitsZ	0.9929	0.0071	0.9929	0.9561	0.1305
orl	0.6000	0.0200	0.6000	0.5897	0.0810
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	0.2088	0.6180
ozone8hr	0.8814	0.1186	0.8814	0.0550	0.7030
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9860	0.0073	0.9670	0.9047	0.1447

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	-0.1538	0.9932
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.9427	0.0539	0.9407	0.8695	0.3268
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.8649	0.1351	0.8649	0.2802	0.6222
pcmac	0.4948	0.5052	0.4948	-0.0496	1.0000
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.8529	0.0420	0.8529	0.8211	0.1313
pendigits	0.9481	0.0104	0.9481	0.9423	0.0716
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.3396	0.6576	0.3394	0.0000	0.5088
P-Glycoprotein_b_Substrate	0.5030	0.4976	0.5025	0.0000	0.5290
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9592	0.0408	0.9592	0.9140	0.2301
phoneme	0.8889	0.1111	0.8889	0.7296	0.5126
phy	0.6555	0.3583	0.6369	0.2989	0.9088
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.0002	0.1982	0.0002	-0.0000	0.2258
polish-1st	0.9903	0.0242	0.9663	0.5999	0.3403
polish-2nd	0.9617	0.0349	0.9760	0.3678	0.4564
polish-3rd	0.9712	0.0383	0.9575	0.4140	0.3689
polish-4th	0.9698	0.0294	0.9691	0.6444	0.3407
polish-5th	0.9547	0.0424	0.9598	0.6345	0.4408
polya	0.8123	0.1996	0.8047	0.5536	0.6562
popularity	0.5380	0.3080	0.5380	0.1562	0.6528
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9536	0.0185	0.9536	0.9420	0.0951
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3333	0.0606	0.3333	0.2614	0.2319
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9819	0.0072	0.9819	0.9757	0.0448
pufs-6410%	0.5017	0.4983	0.5017	0.0033	0.9991
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.0533	0.1456	0.0533	0.0339	0.3041
re1-wc	0.1566	0.0675	0.1566	0.1390	0.2987
rejafada	0.9548	0.0452	0.9548	0.1603	0.6044
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9508	0.0598
rocket	0.6284	0.3716	0.6284	0.2358	0.9028
RT_IOT2022	0.8273	0.0288	0.8273	0.5699	0.0588
satimage	0.8507	0.0498	0.8507	0.8156	0.2232
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9191	0.0809	0.9191	0.5668	0.5883
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9990	0.0010	0.9990	0.9980	0.0109
segment	0.9437	0.0161	0.9437	0.9342	0.0781
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.1561	0.6642
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.7711	0.2289	0.7711	0.0693	0.7643
sens-3-gram	0.7895	0.2105	0.7895	0.1373	0.7585
sens-4-gram	0.7684	0.2316	0.7684	0.0511	0.7670
sensorless	0.9891	0.0020	0.9891	0.9880	0.0197
sepsis	0.9113	0.0917	0.9118	0.0031	0.2057
shoppers	0.8654	0.1346	0.8654	0.4768	0.6652
shuttle	0.9951	0.0001	0.9862	1.0000	0.0464
sick	0.9629	0.0371	0.9629	0.6625	0.4011
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0002	1.0000	0.9933	0.0063
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.6475	0.1175	0.6475	0.5563	0.3374
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.7059	0.0310	0.7059	0.6881	0.0571
spambase	0.6046	0.3948	0.6046	0.0000	0.4960
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.4528	0.0228	0.4528	0.4209	0.1750
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles	0.6800	0.3200	0.6800	0.3429	0.8319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7795	0.2205	0.7795	0.3644	0.7631
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.5079	0.3271	0.5156	0.2094	0.5481
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3077	0.4615	0.3077	-0.1038	0.7596
student-weekend	0.4154	0.2338	0.4154	0.1886	0.6923
student-workday	0.7031	0.1187	0.7031	0.1239	0.3329
susy10%	0.7165	0.2835	0.7165	0.4291	0.8003
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0070
swarm_flocking	0.5000	0.5000	0.5000	0.0000	0.5283
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4870
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9291	0.0129	0.9291	0.9218	0.0784
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.1482	0.8458	0.1472	0.0000	0.3224
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6930	0.5355
titanic	0.7273	0.2727	0.7273	0.3472	0.8107
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.4706	0.2647	0.4706	0.2817	0.3281
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0563	0.9004
trec11-wc	0.5610	0.0976	0.5610	0.4770	0.3312
trec12-wc	0.7097	0.0726	0.7097	0.6314	0.1935

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4565	0.2567
trec23-wc	0.8095	0.0635	0.8095	0.7316	0.2015
trec31-wc	0.9247	0.0215	0.9247	0.8976	0.0767
trec41-wc	0.8636	0.0273	0.8636	0.8376	0.1245
trec45-wc	0.7391	0.0522	0.7391	0.6935	0.2043
tuandromd	0.1995	0.8059	0.1993	0.0000	0.3965
turkish	0.7500	0.1250	0.7500	0.6667	0.3458
tvnews	0.3888	0.6062	0.3840	0.0188	0.5796
urban	0.7164	0.0630	0.7164	0.6677	0.2406
vehicle	0.7619	0.1190	0.7619	0.6753	0.2894
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.3737	0.1139	0.3737	0.3111	0.3111
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9385	0.0686	0.9224	0.5026	0.4800
wap-wc	0.6410	0.0359	0.6410	0.6061	0.2124
warpar10p	0.6154	0.0769	0.6154	0.5667	0.1104
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	0.9891	0.0002	0.9859	0.9950	0.0024
watch-gyr10%	0.9648	0.0002	0.9843	0.9828	0.0022
waveform	0.7460	0.1693	0.7460	0.6188	0.4710
web-phishing	0.8815	0.0790	0.8815	0.7937	0.3702
weight-lift	0.9903	0.0039	0.9903	0.9878	0.0249
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0380
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6541	0.1153	0.6541	0.4336	0.3653
winequality-white	0.6380	0.1034	0.6380	0.4327	0.4103
winnipeg	1.0000	0.0004	0.9842	0.9978	0.0095
yale	0.4375	0.0750	0.4375	0.4000	0.1882
yeast	0.5338	0.0932	0.5338	0.3949	0.3479
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8559	0.0288	0.8559	0.8386	0.1675
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 197: Detailed results for TotalBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1166	0.0760	0.1280	0.0576	0.6432
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9747	0.0253	0.9747	0.2574	0.5785
ads	0.9852	0.0213	0.9885	0.9194	0.2105
adult	0.8244	0.1796	0.8268	0.5173	0.6921
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.8841	0.1151	0.8777	0.0801	0.6857
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	1.0000	0.0008	1.0000	0.8885	0.2968
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8849	0.0813	0.8751	0.2096	0.3387
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9864	0.0119	1.0000	-0.0040	0.5172
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9761	0.0111	0.9936	0.1256	0.5295
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9777	0.0111	0.9777	0.9573	0.0525
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9624	0.0094	0.9624	0.9376	0.0754
anuran-species	0.9639	0.0072	0.9639	0.9497	0.0544
aps-failure	0.9902	0.0110	0.9873	0.6746	0.4066
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6889	0.0479	0.6889	0.5224	0.2592
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7333	0.1535
avila	1.0000	0.0010	1.0000	1.0000	0.0377
balance	0.8065	0.1290	0.8065	0.6603	0.4081
bank	0.8894	0.1071	0.8782	0.4595	0.6389
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8431	0.1665	0.8279	0.6435	0.6131
basehock	0.9146	0.0854	0.9146	0.8292	0.3676
bio	0.9962	0.0038	0.9962	0.7827	0.3559
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9819	0.0000	0.9857	0.3600	0.3288
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6071	0.3929	0.6071	0.1348	0.8777
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.6000	0.1143	0.6000	0.4286	0.2185
bub10at310k-hg16-17	0.8952	0.1004	0.8966	0.2562	0.6495
bze_3d_rdkit_descriptors	0.8083	0.1971	0.8043	0.4278	0.7420
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8870	0.1259	0.8858	0.7226	0.3107
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9904	0.0086	0.9939	0.9539	0.0483
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.7700	0.0460	0.7700	0.7277	0.2395
cardiotocography-nsp	0.9511	0.0403	0.9433	0.8255	0.2493
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6748	0.3482
cas_N6512_cdk_ECFP2	0.7463	0.2391	0.7594	0.5075	0.7314
cdc_diabetes	0.8083	0.1223	0.8022	0.1794	0.6063
census10%	0.9255	0.0745	0.9255	0.3657	0.6319
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8721	0.1279	0.8721	-0.0677	0.6325
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9367	0.0691	0.9228	0.5329	0.5341
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9875	0.0003	0.9892	0.8423	0.2860
ci100410h_MACCS	0.7611	0.2506	0.7419	0.2672	0.8129
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8451	0.1669	0.8317	0.6235	0.6016
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3069	0.8569
cirrhosis	0.7143	0.1905	0.7143	0.4286	0.5050
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7837	0.1037	0.7895	0.6855	0.4575
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8271	0.1789	0.8160	-0.0971	0.7560
cmc	0.5102	0.3265	0.5102	0.2263	0.7278
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0615
codon_usage	0.8465	0.0279	0.8465	0.8127	0.2202
coil20	0.9861	0.0014	0.9861	0.9854	0.0095
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9876	0.0083	0.9876	0.7171	0.3529
cottonmeloidogyne	0.7575	0.2408	0.7594	0.5117	0.7190
coupon	0.7453	0.2577	0.7308	0.4649	0.7700
covtype	0.9367	0.0166	0.9468	0.8998	0.1693
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.2069	0.8108
crowdsourced	0.9115	0.0295	0.9115	0.8160	0.2407
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0904
cyclopentane	0.5949	0.4031	0.5867	0.1407	0.9180
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.9958	0.0000	1.0000	1.0000	0.0000
default	0.7422	0.2557	0.7525	0.2744	0.8006
deposit	0.8754	0.1266	0.8640	0.3869	0.6852
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5275	0.3150	0.5275	0.1258	0.7493
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5260	0.4782	0.5290	0.0474	0.9759
dropout	0.6930	0.2047	0.6930	0.5013	0.5849
drug-01	0.3245	0.1930	0.3245	0.0079	0.7532
drug-02	0.4255	0.1641	0.4255	0.1106	0.7748
drug-03	0.5798	0.1201	0.5798	0.0345	0.5441
drug-04	0.4202	0.1657	0.4202	0.1224	0.7103
drug-05	0.6649	0.0957	0.6649	0.0577	0.6321
drug-06	0.3298	0.1915	0.3298	0.1877	0.6882
drug-07	0.3830	0.1763	0.3830	0.0383	0.5807
drug-08	0.4521	0.1565	0.4521	0.0797	0.7557
drug-09	0.8191	0.0517	0.8191	0.1084	0.4904
drug-10	0.4947	0.1444	0.4947	0.1499	0.6947
drug-11	0.7979	0.0578	0.7979	0.1856	0.6296
drug-12	0.7128	0.0821	0.7128	0.0547	0.5445
drug-13	0.5372	0.1322	0.5372	0.1719	0.6397
drug-14	0.5479	0.1292	0.5479	0.2188	0.5436
drug-15	0.7500	0.0714	0.7500	0.1533	0.5385
drug-16	0.5160	0.1383	0.5160	0.2220	0.5866
drug-17	0.2606	0.2112	0.2606	0.0638	0.7932
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6755	0.0927	0.6755	0.0395	0.5208
drybean	0.8993	0.0288	0.8993	0.8783	0.1558
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.4598	0.0675	0.4598	0.4016	0.6167
eeg-eye	0.8363	0.1605	0.8489	0.6800	0.5800
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6161	0.3849	0.6077	0.1765	0.9235
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5604	0.6857
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6109	0.5306
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4183	0.7744
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.6575	0.1370	0.6575	0.5571	0.3767
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9663	0.0337	0.9663	0.9324	0.1990
fbis-wc	0.6992	0.0354	0.6992	0.6589	0.2949
fda.atompair_fp	0.5004	0.4936	0.5013	-0.3293	0.9694
fertility	0.8891	0.0995	0.8964	0.0000	0.2258
flags	0.6000	0.1000	0.6000	0.5166	0.1846
fontaine_MACCS	0.9264	0.0672	0.9367	0.8648	0.3505
fonts10%	0.5270	0.0185	0.5170	0.5194	0.6484
forest	0.8846	0.0577	0.8846	0.8413	0.1888
gas	0.9827	0.0058	0.9827	0.9791	0.0414
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.4973	0.3391	0.4871	0.0393	0.7708
gene	0.9243	0.0505	0.9243	0.8780	0.2115
german	0.6900	0.3100	0.6900	0.3049	0.8513
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.8169	0.1793	0.8258	0.6272	0.6353
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	0.9889	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.5667	0.4333	0.5667	0.0102	0.8956
hapt	0.9204	0.0133	0.9204	0.9059	0.0923
har70	0.9122	0.0273	0.9034	0.8592	0.3474
harth10%	0.8337	0.0260	0.8452	0.7835	0.3025
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8127	0.1873	0.8127	0.6253	0.6400
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6473	0.3527	0.6473	0.2921	0.8834
higher	0.2857	0.1786	0.2857	0.1411	0.3516
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8280	0.1720	0.8280	0.4144	0.7153
hiva	0.9530	0.0381	0.9510	0.0998	0.4538
horse	0.5833	0.2778	0.5833	0.2810	0.6628
htru2	0.9609	0.0391	0.9609	0.7725	0.4289
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0008
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8357	0.0126	0.8357	0.8291	0.1317
jm1	0.7944	0.2101	0.8007	0.2337	0.7725
fvowels	0.9197	0.0178	0.9197	0.9090	0.1268
kc1	0.7962	0.2038	0.7962	0.3200	0.7356
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3000	0.0600
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2747	0.8005
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7369	0.0292	0.7369	0.7062	0.2269
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7492	0.0836	0.7492	0.6842	0.3894
la2s-wc	0.7649	0.0784	0.7649	0.7051	0.3352
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4118	0.0294	0.4118	0.3945	0.0964
led24	0.4500	0.1100	0.4500	0.3803	0.2269
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9215	0.0060	0.9215	0.9183	0.0888
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0747
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.6944	0.0576	0.6763	0.6018	0.5905
lrs	0.7547	0.0491	0.7547	0.6662	0.2289
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1200
lupus	0.5555	0.4428	0.5535	0.1005	0.9645
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8122	0.1878	0.8122	0.5890	0.6621

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6771	0.3229	0.6771	0.3474	0.8469
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7888	0.3247
messidor	0.6435	0.3565	0.6435	0.2696	0.8901
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8462	0.1492
meter-D	0.8889	0.0556	0.8889	0.8475	0.1019
mfeat-fac	0.9200	0.0160	0.9200	0.9111	0.0951
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1915
mfeat-kar	0.9050	0.0190	0.9050	0.8944	0.1154
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2349
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0748
mfeat-zer	0.6850	0.0630	0.6850	0.6500	0.2274
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5033	0.1985	0.4994	0.3754	0.4705
mobile	0.8252	0.0062	0.8252	0.8220	0.0743
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9557	0.0540	0.9540	0.8905	0.2166
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9782
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6985	0.3058	0.6966	0.3864	0.8250
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2428	0.9070
MUT_ci300400a	0.7999	0.2057	0.7974	0.5813	0.6800
MUT_ci300400a_cdk_ECFP2	0.7798	0.2134	0.7873	0.5611	0.6990
myocardial	0.8706	0.0324	0.8706	0.3431	0.2225
naticusdroid	0.9687	0.0286	0.9821	0.9495	0.1762
nci9	0.1667	0.1852	0.1667	0.0625	0.2131
ncRNA10%	0.9398	0.0063	0.9507	0.8388	0.4594
newspop	0.5832	0.4168	0.5832	0.1631	0.9431
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9681	0.0388	0.9487	0.9147	0.2535
NPHA-doctor-visits	0.3750	0.4167	0.3750	-0.0128	0.8143
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9981	0.0063	0.9897	0.9937	0.0721
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.8218	0.0356	0.8218	0.7947	0.1577
oh10-wc	0.7429	0.0514	0.7429	0.7059	0.2306
oh15-wc	0.6413	0.0717	0.6413	0.5923	0.3422
oh5-wc	0.6154	0.0769	0.6154	0.5671	0.3552
opn310k	0.8792	0.1280	0.8747	0.2240	0.7062
opnat310k-hg16-17	0.8818	0.1246	0.8628	0.2321	0.7064
optdigits	0.9395	0.0121	0.9395	0.9327	0.0829
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8000	0.0100	0.8000	0.7949	0.0333
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	0.2088	0.6180
ozone8hr	0.8814	0.1186	0.8814	0.0550	0.7030
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9695	0.0096	0.9785	0.8694	0.2905

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	-0.1538	0.9932
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8810	0.1065	0.8827	0.7587	0.4977
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.8649	0.1351	0.8649	0.2802	0.6222
pcmac	0.4897	0.5103	0.4897	-0.0259	0.9921
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.7647	0.0672	0.7647	0.7103	0.1835
pendigits	0.9691	0.0062	0.9691	0.9656	0.0510
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8119	0.1881	0.8198	0.5785	0.6662
P-Glycoprotein_b_Substrate	0.7711	0.2372	0.7623	0.5199	0.7284
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9831	0.0122	0.9900	0.9623	0.0952
phoneme	0.8889	0.1111	0.8889	0.7296	0.5126
phy	0.6502	0.3508	0.6396	0.2861	0.8761
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.6525	0.0676	0.6657	0.3918	0.7737
polish-1st	0.9723	0.0302	0.9565	0.5511	0.4845
polish-2nd	0.9544	0.0427	0.9613	0.3212	0.5749
polish-3rd	0.9321	0.0593	0.9352	0.3547	0.6236
polish-4th	0.9400	0.0543	0.9437	0.5223	0.5902
polish-5th	0.9499	0.0446	0.9586	0.6389	0.4690
polya	0.7315	0.2700	0.7429	0.3847	0.7834
popularity	0.5682	0.2879	0.5682	0.1395	0.7011
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9739	0.0104	0.9739	0.9673	0.0634
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3636	0.0579	0.3636	0.3179	0.2229
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9863	0.0055	0.9863	0.9816	0.0431
pufs-6410%	0.5017	0.4983	0.5017	0.0033	0.9991
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.2800	0.1108	0.2800	0.1691	0.2996
re1-wc	0.5964	0.0323	0.5964	0.5638	0.2432
rejafada	0.9548	0.0452	0.9548	0.1603	0.6044
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9505	0.0797
rocket	0.6236	0.3730	0.6349	0.2368	0.9066
RT_IOT2022	0.9210	0.0132	0.9210	0.8044	0.1092
satimage	0.8663	0.0446	0.8663	0.8354	0.2193
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9207	0.0793	0.9207	0.5665	0.5827
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9990	0.0010	0.9990	0.9980	0.0109
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.1561	0.6642
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.7711	0.2289	0.7711	0.0693	0.7643
sens-3-gram	0.7789	0.2211	0.7789	0.0942	0.7635
sens-4-gram	0.7711	0.2289	0.7711	0.0231	0.7756
sensorless	0.9920	0.0015	0.9920	0.9912	0.0155
sepsis	0.5470	0.4519	0.5475	0.0900	0.4212
shoppers	0.8654	0.1346	0.8654	0.4722	0.6655
shuttle	1.0000	0.0000	1.0000	0.9994	0.0000
sick	0.9629	0.0371	0.9629	0.6625	0.4011
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9951	0.0004	1.0000	1.0000	0.0098
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.6978	0.1007	0.6978	0.6191	0.3038
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.8529	0.0155	0.8529	0.8384	0.0402
spambase	0.9289	0.0640	0.9265	0.8638	0.3182
spect	0.6296	0.3704	0.6296	0.0426	0.8561
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.3962	0.0252	0.3962	0.3695	0.1873
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles	0.6800	0.3200	0.6800	0.3429	0.8319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7795	0.2205	0.7795	0.3644	0.7631
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9203	0.0570	0.9063	0.8561	0.2068
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.2462	0.3015	0.2462	-0.0311	0.7416
student-workday	0.6406	0.1437	0.6406	0.0742	0.4802
susy10%	0.7164	0.2836	0.7164	0.4289	0.8005
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0070
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.3333	0.4444	0.3333	0.0000	0.6492
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9655	0.0063	0.9655	0.9619	0.0465
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8575	0.1506	0.8484	0.3785	0.6940
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6930	0.5355
titanic	0.7273	0.2727	0.7273	0.3472	0.8107
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5278	0.3594
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0190	0.8888
trec11-wc	0.7073	0.0650	0.7073	0.6298	0.2519
trec12-wc	0.6452	0.0887	0.6452	0.5611	0.2218

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5541	0.2248
trec23-wc	0.8095	0.0635	0.8095	0.7246	0.1362
trec31-wc	0.8925	0.0307	0.8925	0.8566	0.1401
trec41-wc	0.7955	0.0409	0.7955	0.7457	0.2060
trec45-wc	0.7246	0.0551	0.7246	0.6791	0.2697
tuandromd	0.9889	0.0089	0.9985	0.9744	0.0953
turkish	0.6500	0.1750	0.6500	0.5333	0.4514
tvnews	0.9239	0.0650	0.9254	0.8457	0.3180
urban	0.8209	0.0398	0.8209	0.7896	0.1465
vehicle	0.7738	0.1131	0.7738	0.6961	0.2664
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4545	0.0992	0.4545	0.4000	0.2674
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8766	0.1131	0.8954	0.2940	0.6741
wap-wc	0.7115	0.0288	0.7115	0.6777	0.1998
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0999
warppiel0p	0.9524	0.0095	0.9524	0.9471	0.0265
watch-acc10%	0.9839	0.0006	1.0000	1.0000	0.0057
watch-gyr10%	0.9955	0.0003	0.9908	1.0000	0.0036
waveform	0.7160	0.1893	0.7160	0.5740	0.5406
web-phishing	0.8741	0.0840	0.8741	0.7792	0.3766
weight-lift	0.9883	0.0047	0.9883	0.9852	0.0330
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6226	0.1258	0.6226	0.3927	0.5591
winequality-white	0.6339	0.1046	0.6339	0.4385	0.4772
winnipeg	1.0000	0.0006	0.9876	1.0000	0.0114
yale	0.5625	0.0583	0.5625	0.5314	0.1170
yeast	0.5743	0.0851	0.5743	0.4509	0.3629
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9258	0.0148	0.9258	0.9168	0.1119
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 198: Detailed results for TotalBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1156	0.0765	0.1300	0.0579	0.6363
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9747	0.0253	0.9747	0.2574	0.5785
ads	0.9779	0.0210	0.9886	0.9170	0.2125
adult	0.8298	0.1792	0.8147	0.5084	0.6808
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.8713	0.1161	0.8885	0.0807	0.6855
AID1608red	0.8932	0.1068	0.8932	-0.0559	0.6716
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9987	0.0013	0.9987	0.4279	0.5335
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9951	0.0008	0.9930	0.8941	0.2963
AID604AID644_AllRed	0.9982	0.0018	0.9982	0.1529	0.5195
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8699	0.0820	0.8846	0.2108	0.3401
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9940	0.0060	0.9940	0.0879	0.5130
AID688red	0.9824	0.0118	0.9989	-0.0041	0.5158
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red	0.9890	0.0110	0.9821	0.1246	0.5356
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0814
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9374	0.0156	0.9374	0.8934	0.0936
anuran-species	0.9361	0.0128	0.9361	0.9112	0.0840
aps-failure	0.9947	0.0109	0.9970	0.6624	0.4116
arcene	0.6500	0.3500	0.6500	0.2857	0.8745
arrhythmia	0.6000	0.0615	0.6000	0.4113	0.3235
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8022	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	1.0000	0.0010	0.9970	0.9823	0.0371
balance	0.7581	0.1613	0.7581	0.5885	0.4405
bank	0.8808	0.1080	0.8792	0.4555	0.6501
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8334	0.1667	0.8324	0.6366	0.6104
basehock	0.9146	0.0854	0.9146	0.8292	0.3676
bio	0.9962	0.0038	0.9962	0.7827	0.3559
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9641	0.0000	0.9886	0.3502	0.3369
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.6071	0.3929	0.6071	0.1348	0.8777
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7708	0.0946
bridges	0.3000	0.2000	0.3000	0.2222	0.1501
bub10at310k-hg16-17	0.9107	0.0998	0.9018	0.2527	0.6550
bze_3d_rdkit_descriptors	0.7970	0.1967	0.7983	0.4329	0.7268
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8698	0.1266	0.8670	0.7169	0.3164
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9080	0.0460	0.9080	0.7940	0.2431
card	0.8261	0.1739	0.8261	0.6397	0.6143
cardiotocography	0.5493	0.0901	0.5493	0.5046	0.2436
cardiotocography-nsp	0.9441	0.0406	0.9306	0.8176	0.2535
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4059	0.4861
cas_N6512_cdk_ECFP2	0.7609	0.2449	0.7519	0.5160	0.7303
cdc_diabetes	0.8244	0.1249	0.8032	0.1754	0.6104
census10%	0.9255	0.0745	0.9255	0.3657	0.6319
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8837	0.1163	0.8837	-0.0617	0.6549
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9416	0.0703	0.9249	0.5384	0.5307
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9986	0.0003	0.9940	0.8347	0.2920
ci100410h_MACCS	0.7565	0.2505	0.7610	0.2653	0.8012
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8237	0.1677	0.8410	0.6279	0.6011
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3142	0.8525
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7968	0.1060	0.7823	0.6758	0.4610
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5000	0.3333	0.5000	0.2500	0.6132
cm1	0.8181	0.1817	0.8264	-0.0988	0.7611
cmc	0.5170	0.3220	0.5170	0.2323	0.7040
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1108
codon_usage	0.8012	0.0361	0.8012	0.7552	0.2326
coil20	0.9167	0.0083	0.9167	0.9123	0.0495
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.7097	0.1935	0.7097	0.5365	0.3163
connect-4	0.9896	0.0069	0.9896	0.7890	0.3278
cottonmeloidogyne	0.7594	0.2444	0.7469	0.5090	0.7336
coupon	0.7440	0.2569	0.7355	0.4734	0.7775
covtype	0.9330	0.0166	0.9465	0.8949	0.1681
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.2069	0.8108
crowdsourced	0.8839	0.0387	0.8839	0.7651	0.3422
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2603	0.1589
cyclopentane	0.5937	0.4065	0.5937	0.1405	0.9054
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.9886	0.0000	0.9899	1.0000	0.0000
default	0.7534	0.2556	0.7351	0.2733	0.8067
deposit	0.8629	0.1245	0.8749	0.3899	0.6896
dermatology	0.9189	0.0270	0.9189	0.8984	0.0887
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5334	0.3111	0.5334	0.0819	0.6823
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.2603	0.8728
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5299	0.4697	0.5287	0.0471	0.9972
dropout	0.6862	0.2092	0.6862	0.4907	0.5405
drug-01	0.3777	0.1778	0.3777	0.0763	0.7393
drug-02	0.3723	0.1793	0.3723	0.1297	0.7004
drug-03	0.6330	0.1049	0.6330	0.0336	0.6310
drug-04	0.3457	0.1869	0.3457	0.1017	0.7434
drug-05	0.6862	0.0897	0.6862	0.0001	0.7053
drug-06	0.2979	0.2006	0.2979	0.1340	0.6819
drug-07	0.3511	0.1854	0.3511	-0.0249	0.5501
drug-08	0.5213	0.1368	0.5213	0.1542	0.5758
drug-09	0.8298	0.0486	0.8298	0.0342	0.4815
drug-10	0.4947	0.1444	0.4947	0.0775	0.6569
drug-11	0.8032	0.0562	0.8032	0.1143	0.5119
drug-12	0.7074	0.0836	0.7074	-0.0382	0.6746
drug-13	0.5319	0.1337	0.5319	0.1261	0.7451
drug-14	0.5319	0.1337	0.5319	0.1501	0.6323
drug-15	0.6809	0.0912	0.6809	0.0105	0.6754
drug-16	0.4840	0.1474	0.4840	0.1145	0.6100
drug-17	0.2394	0.2173	0.2394	0.0941	0.7180
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7181	0.0805	0.7181	0.0928	0.7390
drybean	0.8655	0.0384	0.8655	0.8380	0.1961
ecoli	0.8235	0.0441	0.8235	0.7469	0.1276
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.3174	0.0853	0.3174	0.2625	0.6539
eeg-eye	0.8523	0.1603	0.8373	0.6830	0.5757
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6131	0.3868	0.6120	0.1767	0.9254
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5604	0.6857
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9032	0.0968	0.9032	0.6109	0.5306
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.0000	0.1322
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4183	0.7744
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.5753	0.1699	0.5753	0.4422	0.4218
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.5269	0.4731	0.5269	0.0000	0.5238
fbis-wc	0.6626	0.0397	0.6626	0.6242	0.2782
fda.atompair_fp	0.5068	0.4994	0.5006	-0.3313	0.9747
fertility	0.9127	0.1001	0.8921	0.0000	0.2253
flags	0.8000	0.0500	0.8000	0.7436	0.1112
fontaine_MACCS	0.9335	0.0675	0.9422	0.8464	0.3463
fonts10%	0.5335	0.0183	0.5161	0.5223	0.6359
forest	0.7885	0.1058	0.7885	0.7079	0.2970
gas	0.9770	0.0077	0.9770	0.9721	0.0504
gastrointestinal	0.7500	0.1667	0.7500	0.5556	0.2576
gender	0.4932	0.3376	0.4899	0.0389	0.7623
gene	0.8707	0.0862	0.8707	0.7964	0.3147
german	0.6900	0.3100	0.6900	0.3049	0.8513
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7143	0.0952	0.7143	0.5935	0.2614
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8186	0.1784	0.8133	0.6295	0.6255
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.9993	0.0000	1.0000	0.9889	0.0000
grub-damage	0.3333	0.3333	0.3333	0.0196	0.4993
haberman	0.5667	0.4333	0.5667	0.0102	0.8956
hapt	0.8920	0.0180	0.8920	0.8732	0.1522
har70	0.9105	0.0276	0.9010	0.8530	0.3455
harth10%	0.8512	0.0265	0.8496	0.7850	0.3031
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8126	0.1874	0.8126	0.6252	0.6402
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6474	0.3526	0.6474	0.2923	0.8833
higher	0.0714	0.2321	0.0714	-0.0898	0.4961
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8297	0.1703	0.8297	0.4180	0.7135
hiva	0.9761	0.0380	0.9653	0.1019	0.4468
horse	0.5000	0.3333	0.5000	-0.0189	0.5382
htru2	0.9609	0.0391	0.9609	0.7725	0.4289
ht-sensor	0.9999	0.0001	0.9999	0.9998	0.0007
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0596
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5593	0.4407	0.5593	-0.1132	0.9570
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6855	0.0242	0.6855	0.6729	0.2148
jm1	0.7962	0.2085	0.7862	0.2339	0.7805
fvowels	0.8815	0.0263	0.8815	0.8658	0.1516
kc1	0.7915	0.2085	0.7915	0.2966	0.7440
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.1429	0.1521
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2747	0.8005
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.1002	0.1000	0.1002	0.0010	0.3912
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7460	0.0847	0.7460	0.6876	0.3522
la2s-wc	0.7318	0.0894	0.7318	0.6686	0.3481
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5401	0.1127
led24	0.4500	0.1100	0.4500	0.3855	0.2120
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.8485	0.0117	0.8485	0.8424	0.1317
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6119	0.1724
linkage10%	1.0000	0.0000	1.0000	0.9952	0.0366
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.6768	0.0563	0.6860	0.6037	0.5814
lrs	0.7925	0.0415	0.7925	0.7181	0.1969
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1952
lupus	0.5550	0.4414	0.5512	0.1002	0.9677
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0208
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8122	0.1878	0.8122	0.5890	0.6621

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.6771	0.3229	0.6771	0.3525	0.8495
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7741	0.3212
messidor	0.6435	0.3565	0.6435	0.2696	0.8901
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.0948
meter-D	0.7778	0.1111	0.7778	0.6949	0.2245
mfeat-fac	0.8950	0.0210	0.8950	0.8833	0.1066
mfeat-fou	0.6650	0.0670	0.6650	0.6278	0.2781
mfeat-kar	0.8200	0.0360	0.8200	0.8000	0.1735
mfeat-mor	0.6600	0.0680	0.6600	0.6222	0.2335
mfeat-pix	0.8850	0.0230	0.8850	0.8722	0.1185
mfeat-zer	0.6550	0.0690	0.6550	0.6167	0.2780
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4973	0.1983	0.4957	0.3721	0.4662
mobile	0.5455	0.0162	0.5455	0.5368	0.2101
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9429	0.0528	0.9560	0.9029	0.2166
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9612
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6890	0.3130	0.6817	0.3835	0.8405
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2428	0.9070
MUT_ci300400a	0.8046	0.2035	0.8029	0.5768	0.6798
MUT_ci300400a_cdk_ECFP2	0.7887	0.2131	0.7917	0.5627	0.6888
myocardial	0.8706	0.0324	0.8706	0.4113	0.3039
naticusdroid	0.9731	0.0289	0.9732	0.9481	0.1752
nci9	0.3333	0.1481	0.3333	0.2000	0.2131
ncRNA10%	0.9335	0.0063	0.9488	0.8306	0.4559
newspop	0.5832	0.4168	0.5832	0.1631	0.9431
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9472	0.0388	0.9653	0.9107	0.2507
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0851	0.7804
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9909	0.0063	0.9906	0.9762	0.0726
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0149
oh0-wc	0.3069	0.1386	0.3069	0.2451	0.3536
oh10-wc	0.6000	0.0800	0.6000	0.5458	0.2826
oh15-wc	0.6413	0.0717	0.6413	0.5997	0.2611
oh5-wc	0.6264	0.0747	0.6264	0.5834	0.2606
opn310k	0.8794	0.1276	0.8765	0.2228	0.6934
opnat310k-hg16-17	0.8831	0.1279	0.8859	0.2343	0.6957
optdigits	0.8843	0.0231	0.8843	0.8716	0.1247
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.6000	0.0200	0.6000	0.5897	0.0810
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	0.2088	0.6180
ozone8hr	0.8814	0.1186	0.8814	0.0550	0.7030
p53-mutants10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks	0.9840	0.0096	0.9867	0.8658	0.2927

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.4000	0.6000	0.4000	-0.1538	0.9932
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8941	0.1056	0.8917	0.7503	0.4981
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.8649	0.1351	0.8649	0.2802	0.6222
pcmac	0.4897	0.5103	0.4897	-0.0259	0.9921
pd	0.8684	0.1316	0.8684	0.6364	0.5732
pediatric-leukemia	0.8529	0.0420	0.8529	0.8211	0.1313
pendigits	0.9481	0.0104	0.9481	0.9423	0.0716
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8255	0.1871	0.8202	0.5788	0.6622
P-Glycoprotein_b_Substrate	0.7550	0.2392	0.7542	0.5233	0.7326
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9953	0.0122	0.9746	0.9659	0.0965
phoneme	0.8889	0.1111	0.8889	0.7296	0.5126
phy	0.6538	0.3498	0.6385	0.2910	0.8728
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.6671	0.0687	0.6524	0.4008	0.7681
polish-1st	0.9786	0.0295	0.9718	0.5511	0.4912
polish-2nd	0.9527	0.0428	0.9453	0.3209	0.5734
polish-3rd	0.9420	0.0599	0.9532	0.3579	0.6152
polish-4th	0.9597	0.0540	0.9468	0.5134	0.5842
polish-5th	0.9639	0.0436	0.9573	0.6346	0.4684
polya	0.7397	0.2679	0.7291	0.3838	0.7747
popularity	0.5385	0.3077	0.5385	0.1579	0.6520
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.9536	0.0185	0.9536	0.9420	0.0951
pred-tox_mutagen_ref-desc	0.6618	0.3382	0.6618	0.3235	0.8668
primary-tumor	0.3333	0.0606	0.3333	0.2614	0.2319
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9819	0.0072	0.9819	0.9757	0.0448
pufs-6410%	0.5017	0.4983	0.5017	0.0033	0.9991
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.0267	0.1497	0.0267	0.0069	0.3328
re1-wc	0.3072	0.0554	0.3072	0.2885	0.2269
rejafada	0.9548	0.0452	0.9548	0.1603	0.6044
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9625	0.0150	0.9625	0.9508	0.0598
rocket	0.6299	0.3662	0.6355	0.2369	0.8904
RT_IOT2022	0.0604	0.1566	0.0604	0.0283	0.1514
satimage	0.8507	0.0498	0.8507	0.8156	0.2192
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9222	0.0778	0.9222	0.5779	0.5779
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9103	0.0897	0.9103	0.1752	0.6698
secondary_mushroom	0.9990	0.0010	0.9990	0.9980	0.0109
segment	0.9437	0.0161	0.9437	0.9342	0.0781
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8876	0.1124	0.8876	0.1561	0.6642
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.7711	0.2289	0.7711	0.0693	0.7643
sens-3-gram	0.7789	0.2211	0.7789	0.0942	0.7635
sens-4-gram	0.7711	0.2289	0.7711	0.0231	0.7756
sensorless	0.9891	0.0020	0.9891	0.9880	0.0196
sepsis	0.5409	0.4494	0.5458	0.0911	0.4231
shoppers	0.8670	0.1330	0.8670	0.4786	0.6618
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9629	0.0371	0.9629	0.6625	0.4011
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0004	1.0000	1.0000	0.0098
smk_can_187	0.4737	0.5263	0.4737	-0.0440	1.0000
solar-flare	0.6475	0.1175	0.6475	0.5558	0.3381
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.7059	0.0310	0.7059	0.6881	0.0571
spambase	0.9351	0.0630	0.9460	0.8710	0.3220
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.4528	0.0228	0.4528	0.4215	0.1669
splice-EI	0.9432	0.0568	0.9432	0.8508	0.3477
splice-IE	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles	0.6800	0.3200	0.6800	0.3429	0.8319
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7795	0.2205	0.7795	0.3644	0.7631
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9276	0.0571	0.9021	0.8543	0.2061
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3077	0.4615	0.3077	-0.1038	0.7596
student-weekend	0.4154	0.2338	0.4154	0.1886	0.6923
student-workday	0.7031	0.1187	0.7031	0.1239	0.3329
susy10%	0.7166	0.2834	0.7166	0.4293	0.8002
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0070
swarm_flocking	0.9992	0.0008	0.9992	0.9983	0.0085
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4870
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9291	0.0129	0.9291	0.9218	0.0784
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8412	0.1471	0.8513	0.3808	0.7079
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8863	0.1137	0.8863	0.6930	0.5355
titanic	0.7273	0.2727	0.7273	0.3472	0.8107
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.5882	0.2059	0.5882	0.4413	0.3184
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.0563	0.9004
trec11-wc	0.5610	0.0976	0.5610	0.4770	0.3312
trec12-wc	0.7097	0.0726	0.7097	0.6314	0.1935

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7879	0.0707	0.7879	0.4565	0.2567
trec23-wc	0.8095	0.0635	0.8095	0.7316	0.2015
trec31-wc	0.9247	0.0215	0.9247	0.8976	0.0767
trec41-wc	0.8636	0.0273	0.8636	0.8376	0.1245
trec45-wc	0.7391	0.0522	0.7391	0.6935	0.2043
tuandromd	0.9929	0.0090	0.9889	0.9677	0.0956
turkish	0.7500	0.1250	0.7500	0.6667	0.3458
tvnews	0.9396	0.0657	0.9379	0.8626	0.3155
urban	0.7164	0.0630	0.7164	0.6677	0.2406
vehicle	0.7619	0.1190	0.7619	0.6753	0.2894
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.3737	0.1139	0.3737	0.3111	0.3111
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8741	0.1138	0.8977	0.3002	0.6814
wap-wc	0.6410	0.0359	0.6410	0.6061	0.2124
warpar10p	0.6154	0.0769	0.6154	0.5667	0.1104
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
watch-acc10%	1.0000	0.0006	0.9915	0.9941	0.0057
watch-gyr10%	0.9903	0.0003	1.0000	1.0000	0.0036
waveform	0.7460	0.1693	0.7460	0.6188	0.4710
web-phishing	0.8741	0.0840	0.8741	0.7783	0.3747
weight-lift	0.9901	0.0040	0.9901	0.9874	0.0250
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0380
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6541	0.1153	0.6541	0.4336	0.3653
winequality-white	0.6401	0.1028	0.6401	0.4364	0.4091
winnipeg	0.9847	0.0006	1.0000	1.0000	0.0113
yale	0.3750	0.0833	0.3750	0.3333	0.2028
yeast	0.5270	0.0946	0.5270	0.3865	0.3497
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8559	0.0288	0.8559	0.8386	0.1673
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 199: Detailed results for MadaBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1739	0.0571	0.1742	0.0821	0.3667
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9948	0.0185	0.9902	-0.0018	0.2785
ads	0.9699	0.0422	0.9632	0.8068	0.2825
adult	0.8477	0.1598	0.8395	0.4234	0.3869
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7048	0.2952	0.7048	0.0240	0.8353
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9927	0.0010	0.9994	0.2526	0.3753
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	1.0000	0.0029	0.9837	0.3013	0.0138
AID604AID644_AllRed	1.0000	0.0010	0.9962	0.2519	0.3810
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8182	0.1212	0.8182	-0.0722	0.6438
AID687AID721red	0.9947	0.0006	1.0000	0.0000	0.0035
AID687red	1.0000	0.0030	1.0000	0.0000	0.0142
AID688red	0.9943	0.0094	0.9956	-0.0007	0.2140
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	1.0000	0.0012	1.0000	-0.0003	0.4039
AID746red	0.9804	0.0062	0.9989	-0.0003	0.1638
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9524	0.0790
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9722	0.0139	0.9722	0.9465	0.0636
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9583	0.0104	0.9583	0.9304	0.0805
anuran-species	0.9611	0.0078	0.9611	0.9459	0.0692
aps-failure	0.9887	0.0113	0.9887	0.6609	0.4189
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7111	0.0444	0.7111	0.5631	0.2488
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7333	0.1535
avila	0.6114	0.0643	0.6115	0.4490	0.2486
balance	0.8065	0.1290	0.8065	0.6603	0.4081
bank	0.9008	0.0887	0.9214	0.4930	0.5780
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8155	0.1909	0.8067	0.5288	0.4510
basehock	0.9405	0.0548	0.9475	0.8931	0.2531
bio	1.0000	0.0039	0.9921	0.7269	0.1416
biodeg	0.8095	0.1905	0.8095	0.6038	0.6536
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9992	0.0009	0.9954	0.2122	0.3321
block10%	1.0000	0.0000	1.0000	1.0000	0.0001
block10%	1.0000	0.0000	1.0000	1.0000	0.0001
breast-cancer	0.5357	0.4643	0.5357	-0.0225	0.9156
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.8282	0.1833	0.8202	0.6344	0.6400
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.7000	0.0857	0.7000	0.5714	0.1715
bub10at310k-hg16-17	0.9014	0.0892	0.9088	0.0294	0.2324
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.3327	0.7758
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9710	0.0290	0.9710	0.9373	0.1858
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8551	0.1449	0.8551	0.6968	0.5304
cardiotocography	0.8451	0.0310	0.8451	0.8140	0.1834
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8222	0.2808
cargo2k	1.0000	0.0000	0.9949	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7270	0.3192
cas_N6512_cdk_ECFP2	0.5491	0.4518	0.5614	0.0376	0.5759
cdc_diabetes	0.8563	0.1003	0.8460	0.1406	0.2921
census10%	0.9427	0.0532	0.9485	0.2428	0.3139
central-nervous-system	0.3284	0.6684	0.3343	-0.1994	0.9364
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9419	0.0581	0.9419	0.2612	0.5311
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9262	0.0694	0.9404	0.8558	0.3322
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	0.9994	0.0003	0.9947	0.8419	0.1159
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8217	0.1844	0.8222	0.6024	0.6506
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6463	0.6129
ci200186m_ExtendedFingerprinter	0.8468	0.1472	0.8500	0.6741	0.5585
ci900367j_MACCS	0.6000	0.4000	0.6000	0.1855	0.9090
cirrhosis	0.6905	0.2063	0.6905	0.3865	0.5337
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8101	0.0947	0.8029	0.7103	0.4241
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6638	0.2246	0.6600	0.4588	0.3858
cm1	0.9000	0.1000	0.9000	0.3902	0.6445
cmc	0.5238	0.3175	0.5238	0.2605	0.7040
cnae-9	0.6781	0.0719	0.6858	0.6298	0.1699
codon_usage	0.6141	0.0720	0.6011	0.5190	0.2205
coil20	0.9686	0.0021	0.9861	0.9784	0.0149
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7586	0.2414	0.7586	0.4587	0.7218
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.5517	0.4483	0.5517	0.0959	0.9600
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9993	0.0101	0.9950	0.4919	0.0310
cottonmeloidogyne	0.6539	0.3407	0.6588	0.3098	0.7477
coupon	0.7253	0.2728	0.7246	0.4143	0.7801
covtype	0.7176	0.0840	0.7133	0.5259	0.3567
covtypeCD	0.9925	0.0123	0.9877	0.9533	0.1356
covtypeT	0.9800	0.0240	0.9741	0.8018	0.3339
cox2_cdk_ECFP2	0.7946	0.1968	0.8080	0.1205	0.6347
crowdsourced	0.9171	0.0277	0.9171	0.8278	0.2355
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3125	0.0344	0.3125	0.2932	0.1044
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.8148	0.1852	0.8148	0.6255	0.6355
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8204	0.1721	0.8161	0.3808	0.6208
deposit	0.8981	0.1011	0.8960	0.4340	0.6105
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.9629	0.0502	0.9472	0.9133	0.2071
dhfr_cdk_ECFP2	0.7915	0.1989	0.8002	0.5423	0.3976
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5382	0.3074	0.5403	0.0000	0.3470
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.5970	0.3981	0.6021	0.1659	0.9429
dlbcl-harvard-tumor	0.6201	0.3761	0.6276	0.1420	0.8525
dlbcl-nih	0.4972	0.5007	0.4946	-0.0283	0.9994
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5727	0.4238	0.5727	0.1242	0.9051
dropout	0.6885	0.2077	0.6885	0.4968	0.5897
drug-01	0.3191	0.1945	0.3191	-0.0013	0.7576
drug-02	0.4096	0.1687	0.4096	0.0964	0.7861
drug-03	0.5691	0.1231	0.5691	0.0108	0.5445
drug-04	0.4096	0.1687	0.4096	0.1114	0.7259
drug-05	0.6702	0.0942	0.6702	0.0499	0.6029
drug-06	0.3085	0.1976	0.3085	0.1619	0.6952
drug-07	0.4043	0.1702	0.4043	0.0594	0.5572
drug-08	0.4468	0.1581	0.4468	0.0715	0.7531
drug-09	0.8138	0.0532	0.8138	0.1020	0.4895
drug-10	0.5053	0.1413	0.5053	0.1662	0.7765
drug-11	0.8032	0.0562	0.8032	0.1936	0.6081
drug-12	0.7340	0.0760	0.7340	0.1011	0.4217
drug-13	0.5426	0.1307	0.5426	0.1684	0.5716
drug-14	0.5532	0.1277	0.5532	0.2394	0.5426
drug-15	0.7394	0.0745	0.7394	0.1495	0.4975
drug-16	0.5266	0.1353	0.5266	0.2439	0.5699
drug-17	0.2553	0.2128	0.2553	0.0579	0.8190
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6755	0.0927	0.6755	0.0603	0.5256
drybean	0.9026	0.0278	0.8943	0.8893	0.1225
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.1678	0.1038	0.1648	0.0285	0.3655
eeg-eye	0.5718	0.4262	0.5770	0.0666	0.5601
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6998	0.3116	0.6914	0.2762	0.7486
er_tox_cdk_ECFP2	0.7844	0.2169	0.7814	0.4694	0.6281
er_tox_rdkit_ATOMPAIR	0.9815	0.0325	0.9575	0.6428	0.4955
er_tox_rdkit_AVALON	0.9246	0.0656	0.9473	0.7024	0.4896
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9302	0.0642	0.9452	0.8606	0.3247
er_tox_rdkit_LAYERED	0.9447	0.0654	0.9359	0.7068	0.1747
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9699	0.0321	0.9709	0.6429	0.4912
er_tox_rdkit_PATTERN	0.9962	0.0161	0.9887	0.9610	0.0745
er_tox_rdkit_RDKITFP	0.8855	0.1150	0.8742	0.7122	0.5114
er_tox_rdkit_TORSION	0.9362	0.0650	0.9226	-0.0247	0.6299
eucalyptus	0.6301	0.1479	0.6301	0.5224	0.4100
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9074	0.0827	0.9067	0.8341	0.3690
fbis-wc	0.5739	0.0504	0.5747	0.4900	0.2504
fda.atompair_fp	0.6818	0.3182	0.6818	0.1538	0.8802
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.6000	0.1000	0.6000	0.5166	0.1846
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4075	0.0078	0.4048	0.3539	0.2664
forest	0.8654	0.0673	0.8654	0.8152	0.2188
gas	0.7606	0.0809	0.7522	0.7123	0.2016
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.5890	0.2778	0.5934	-0.0023	0.4103
gene	0.9296	0.0423	0.9426	0.9000	0.1781
german	0.6700	0.3300	0.6700	0.2601	0.8739
gina	0.8323	0.1558	0.8436	0.6846	0.5147
glass	0.7143	0.0952	0.7143	0.5962	0.2628
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8710	0.2846
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	0.9959	0.9943	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7551	0.4910
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.7000	0.3000	0.7000	0.2012	0.8607
hapt	0.9039	0.0149	0.9168	0.8946	0.0967
har70	0.8526	0.0439	0.8562	0.7919	0.1432
harth10%	0.7431	0.0439	0.7312	0.6200	0.1554
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8099	0.2002	0.7894	0.5917	0.6195
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.5490	0.4508	0.5577	0.0482	0.5904
higher	0.3571	0.1607	0.3571	0.2270	0.2867
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8783	0.1086	0.8966	0.5202	0.4494
hiva	0.9672	0.0355	0.9573	0.2014	0.4393
horse	0.5278	0.3148	0.5278	0.1851	0.7071
htru2	0.9680	0.0231	0.9789	0.8463	0.2432
ht-sensor	0.7387	0.1783	0.7391	0.6154	0.3813
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.6102	0.3898	0.6102	-0.0414	0.9436
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6005	0.0307	0.5956	0.5754	0.1992
jm1	0.8023	0.1935	0.8184	0.0453	0.4453
fvowels	0.7859	0.0491	0.7730	0.7590	0.2198
kc1	0.8199	0.1801	0.8199	0.3175	0.7428
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.1250	0.0977
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8328	0.0196	0.8292	0.7945	0.2173
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5153	0.1633	0.5061	0.3174	0.3315
la2s-wc	0.7446	0.0786	0.7688	0.6968	0.3286
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4412	0.0279	0.4412	0.4242	0.0983
led24	0.5000	0.1000	0.5000	0.4366	0.2059
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4365	0.0428	0.4415	0.4129	0.2753
leukemia	0.8666	0.0956	0.8608	0.7996	0.1639
leukemia2	0.8548	0.1429	0.8473	0.7302	0.4065
libra	0.8333	0.0222	0.8333	0.8212	0.0762
linkage10%	1.0000	0.0000	0.9977	0.9951	0.0001
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.5216	0.0872	0.5187	0.3599	0.3943
lrs	0.7736	0.0453	0.7736	0.6922	0.2006
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9148	0.0385	0.8931	0.8043	0.0860
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9369	0.0201	0.9571	0.8878	0.0450
lung-cancer-harvard2	0.9887	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	0.9944	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.9868	0.0000	0.9863	1.0000	0.0000
madelon	0.4683	0.5291	0.4687	-0.0620	1.0000
magic04	0.7815	0.2205	0.7668	0.4272	0.5097

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4805	0.7584
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8713	0.0858	0.8713	0.8041	0.3065
messidor	0.6348	0.3652	0.6348	0.2465	0.8983
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7662	0.1989
meter-D	0.9444	0.0278	0.9444	0.9234	0.0743
mfeat-fac	0.9315	0.0150	0.9119	0.9196	0.0864
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1830
mfeat-kar	0.9000	0.0200	0.9000	0.8889	0.1217
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2355
mfeat-pix	0.9537	0.0119	0.9475	0.9325	0.0695
mfeat-zer	0.6950	0.0610	0.6950	0.6611	0.2313
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5565	0.3380
mobile	0.8392	0.0057	0.8392	0.8362	0.0693
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.9990	0.0000	0.9971	1.0000	0.0000
musk	0.8868	0.1138	0.8803	0.3790	0.2499
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6553	0.3581	0.6386	0.2912	0.7410
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.1770	0.9363
MUT_ci300400a	0.5955	0.4041	0.5956	0.0638	0.5695
MUT_ci300400a_cdk_ECFP2	0.6032	0.4005	0.5952	0.0385	0.5505
myocardial	0.8765	0.0309	0.8765	0.3719	0.2164
naticusdroid	0.9425	0.0447	0.9632	0.9014	0.2419
nci9	0.6667	0.0733	0.6738	0.6076	0.0443
ncRNA10%	0.9172	0.0094	0.8835	0.7106	0.2089
newspop	0.5336	0.4694	0.5250	0.0006	0.5247
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9450	0.0535	0.9430	0.8756	0.3070
NPHA-doctor-visits	0.3611	0.4259	0.3611	-0.0147	0.8385
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0741
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.7282	0.0551	0.7217	0.6725	0.1425
oh10-wc	0.5300	0.0946	0.5267	0.4409	0.2878
oh15-wc	0.5604	0.0861	0.5623	0.4843	0.2256
oh5-wc	0.5006	0.1022	0.4954	0.4092	0.2717
opn310k	0.9116	0.0901	0.9081	0.0356	0.2247
opnat310k-hg16-17	0.8998	0.0898	0.9042	0.0269	0.2431
optdigits	0.9401	0.0116	0.9383	0.9336	0.0769
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.7196	0.0137	0.7271	0.7113	0.0669
orlraws10P	0.9935	0.0000	0.9979	0.9941	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.0969	0.6276
ozone8hr	0.8854	0.1146	0.8854	0.0068	0.7093
p53-mutants10%	0.9947	0.0064	1.0000	-0.0032	0.5124
page-blocks	0.4973	0.2011	0.4973	0.1522	0.2166

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8840	0.1176	0.8858	0.7005	0.5203
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.5665	0.4287	0.5712	-0.0303	0.6884
pd	0.8505	0.1460	0.8606	0.5469	0.4584
pediatric-leukemia	0.8218	0.0507	0.8114	0.7803	0.1662
pendigits	0.9709	0.0058	0.9709	0.9676	0.0484
period	0.7778	0.2222	0.7778	0.5714	0.5000
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8227	0.1862	0.8132	0.5680	0.6308
P-Glycoprotein_b_Substrate	0.5642	0.4349	0.5592	0.1198	0.9364
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8528	0.1526	0.8370	0.6922	0.4806
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9714	0.0286	0.9714	0.9404	0.1844
phoneme	0.8926	0.1074	0.8926	0.7396	0.5027
phy	0.6407	0.3617	0.6476	0.2896	0.7906
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7596	0.0486	0.7674	0.5513	0.1897
polish-1st	0.9786	0.0258	0.9619	0.5800	0.3836
polish-2nd	0.9633	0.0397	0.9620	0.0435	0.2374
polish-3rd	0.9619	0.0490	0.9394	-0.0019	0.2431
polish-4th	0.9719	0.0410	0.9519	0.4449	0.3747
polish-5th	0.9625	0.0452	0.9466	0.5089	0.2267
polya	0.6385	0.3594	0.6459	0.0096	0.5014
popularity	0.6369	0.2457	0.6313	0.0010	0.3127
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.6476	0.1387	0.6498	0.5694	0.2388
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.3939	0.0551	0.3939	0.3380	0.2277
profb	0.5522	0.4478	0.5522	0.0510	0.9317
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9359	0.0707	0.9411	0.8428	0.2400
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9322	0.0309	0.9330	0.8980	0.1082
pufs-6410%	0.4992	0.5030	0.5069	-0.0009	0.9894
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.5593	0.0679	0.5624	0.3368	0.3006
re1-wc	0.5170	0.0384	0.5223	0.4321	0.1924
rejafada	1.0000	0.0000	0.9868	0.9945	0.0000
relathe	0.9900	0.0000	0.9869	0.9912	0.0000
rnaseq	0.9805	0.0049	0.9927	0.9893	0.0203
rocket	0.6005	0.4020	0.5953	0.0000	0.4986
RT_IOT2022	0.9944	0.0011	1.0000	0.9937	0.0080
satimage	0.8165	0.0600	0.8303	0.7853	0.1840
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.9007	0.1018	0.8991	-0.0031	0.3175
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.9415	0.0636	0.9435	0.1471	0.4454
secondary_mushroom	0.6476	0.3589	0.6488	0.3215	0.5402
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8837	0.1163	0.8837	0.1044	0.6687
semeion	0.9871	0.0125	0.9919	0.9295	0.0491
sens-1-gram	0.7632	0.2368	0.7632	0.0447	0.7646
sens-2-gram	0.8760	0.1271	0.8778	0.0872	0.4321
sens-3-gram	0.8704	0.1294	0.8777	0.0346	0.2660
sens-4-gram	0.8516	0.1409	0.8900	0.1326	0.6262
sensorless	0.9140	0.0176	0.9098	0.8991	0.0801
sepsis	0.9020	0.0905	0.9223	0.0031	0.2106
shoppers	0.8654	0.1346	0.8654	0.4722	0.6655
shuttle	0.9991	0.0000	0.9884	1.0000	0.0138
sick	0.9655	0.0345	0.9655	0.6930	0.3904
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9885	0.0020	1.0000	0.9869	0.0354
smk_can_187	0.7354	0.2630	0.7320	0.4819	0.7587
solar-flare	0.7842	0.0719	0.7842	0.7254	0.1874
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9559	0.0046	0.9559	0.9515	0.0240
spambase	0.9399	0.0711	0.9282	0.8457	0.3206
spect	0.5926	0.4074	0.5926	0.0000	0.8501
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.5283	0.0197	0.5283	0.5052	0.1361
splice-EI	0.9884	0.0251	0.9682	0.9368	0.2028
splice-IE	0.9246	0.0656	0.9374	0.8115	0.3876
sport-articles	0.6900	0.3100	0.6900	0.3600	0.8245
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7897	0.2103	0.7897	0.3834	0.7542
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8868	0.0745	0.9028	0.8144	0.2489
steel-k	0.9744	0.0256	0.9744	0.9221	0.2232
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.2615	0.2954	0.2615	-0.0136	0.7465
student-workday	0.6406	0.1437	0.6406	0.1149	0.5840
susy10%	0.7358	0.2733	0.7329	0.4248	0.6126
swarm_aligned	0.9838	0.0000	0.9943	0.9950	0.0000
swarm_flocking	0.9982	0.0004	0.9906	1.0000	0.0047
swarm_grouped	0.9918	0.0000	0.9833	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6418
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.8397	0.0291	0.8379	0.8352	0.1339
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7234	0.2766	0.7234	0.0728	0.7679
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8795	0.1269	0.8798	0.6474	0.5710
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6520	0.1741	0.6430	0.5223	0.2173
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0060	0.9006
trec11-wc	0.8345	0.0376	0.8331	0.7835	0.1535
trec12-wc	0.8472	0.0402	0.8359	0.8088	0.0996

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9105	0.0303	0.9041	0.7778	0.0599
trec23-wc	0.9614	0.0157	0.9416	0.9269	0.0450
trec31-wc	0.9645	0.0061	0.9853	0.9746	0.0203
trec41-wc	0.9447	0.0112	0.9433	0.9201	0.0554
trec45-wc	0.9555	0.0088	0.9478	0.9385	0.0366
tuandromd	0.9817	0.0113	0.9920	0.9731	0.1054
turkish	0.6250	0.1875	0.6250	0.5000	0.5044
tvnews	0.7444	0.2496	0.7527	0.3903	0.6215
urban	0.8060	0.0431	0.8060	0.7722	0.1509
vehicle	0.7619	0.1190	0.7619	0.6809	0.2859
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4444	0.1010	0.4444	0.3889	0.2743
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9127	0.0904	0.8995	0.0017	0.2217
wap-wc	0.3358	0.0660	0.3316	0.1719	0.2797
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0656
warppie10p	0.9988	0.0000	0.9857	1.0000	0.0000
watch-acc10%	0.8341	0.0486	0.8375	0.8072	0.1617
watch-gyr10%	0.8826	0.0367	0.8704	0.8507	0.1417
waveform	0.7449	0.1765	0.7379	0.6007	0.4174
web-phishing	0.8667	0.0889	0.8667	0.7632	0.3546
weight-lift	0.5381	0.1872	0.5267	0.3724	0.2896
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0384
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6289	0.1237	0.6289	0.4011	0.5148
winequality-white	0.6339	0.1046	0.6339	0.4369	0.4765
winnipeg	0.9841	0.0064	0.9781	0.9473	0.0489
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.5608	0.0878	0.5608	0.4319	0.3652
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.7265	0.0546	0.7186	0.6986	0.2267
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 200: Detailed results for MadaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1769	0.0568	0.1774	0.0826	0.3717
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9772	0.0186	0.9747	-0.0018	0.2811
ads	0.9432	0.0431	0.9517	0.8058	0.2849
adult	0.8430	0.1632	0.8471	0.4249	0.3936
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.8056	0.1944	0.8056	0.1127	0.7808
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red	0.8835	0.1165	0.8835	-0.0619	0.6551
AID_1878	0.7143	0.2857	0.7143	0.0361	0.8363
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	1.0000	0.0010	1.0000	0.2525	0.3796
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	1.0000	0.0029	0.9822	0.3029	0.0138
AID604AID644_AllRed	0.9857	0.0010	1.0000	0.2526	0.3835
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.8000	0.2000	0.8000	0.5238	0.7028
AID_652128	0.8081	0.1279	0.8081	-0.0381	0.4122
AID687AID721red	0.9855	0.0006	1.0000	0.0000	0.0035
AID687red	0.9966	0.0030	0.9971	0.0000	0.0142
AID688red	0.9834	0.0097	0.9971	-0.0007	0.2165
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	1.0000	0.0012	0.9899	-0.0003	0.4044
AID746red	1.0000	0.0062	0.9951	-0.0003	0.1650
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9775	0.0090	0.9775	0.9524	0.0790
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0814
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9374	0.0156	0.9374	0.8932	0.0922
anuran-species	0.9389	0.0122	0.9389	0.9151	0.0799
aps-failure	0.9886	0.0114	0.9886	0.6583	0.4237
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6667	0.0513	0.6667	0.5109	0.3152
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8022	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.6102	0.0638	0.6211	0.4474	0.2516
balance	0.7742	0.1505	0.7742	0.6118	0.4442
bank	0.8998	0.0906	0.9241	0.4829	0.5723
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8093	0.1922	0.8140	0.5335	0.4640
basehock	0.9579	0.0547	0.9336	0.8827	0.2542
bio	0.9986	0.0039	1.0000	0.7467	0.1421
biodeg	0.8095	0.1905	0.8095	0.6038	0.6536
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.9772	0.0009	0.9993	0.2116	0.3386
block10%	0.9945	0.0000	1.0000	1.0000	0.0001
block10%	0.9945	0.0000	1.0000	1.0000	0.0001
breast-cancer	0.5357	0.4643	0.5357	-0.0225	0.9156
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.8147	0.1820	0.8094	0.6380	0.6347
breast-tissue	0.8182	0.0606	0.8182	0.7684	0.1026
bridges	0.7000	0.0857	0.7000	0.5946	0.1534
bub10at310k-hg16-17	0.8974	0.0898	0.9130	0.0296	0.2342
bze_3d_rdkit_descriptors	0.7805	0.2195	0.7805	0.3327	0.7758
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9373	0.1858
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8551	0.1449	0.8551	0.6968	0.5304
cardiotocography	0.8310	0.0338	0.8310	0.7986	0.2224
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8066	0.2379
cargo2k	1.0000	0.0000	0.9976	0.9894	0.0000
cars	0.7000	0.2000	0.7000	0.4059	0.4861
cas_N6512_cdk_ECFP2	0.5564	0.4484	0.5562	0.0372	0.5788
cdc_diabetes	0.8454	0.1018	0.8572	0.1432	0.2951
census10%	0.9348	0.0528	0.9369	0.2441	0.3179
central-nervous-system	0.3338	0.6718	0.3377	-0.2001	0.9372
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9419	0.0581	0.9419	0.2612	0.5311
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9222	0.0693	0.9441	0.8572	0.3307
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9892	0.0003	0.9941	0.8523	0.1171
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8253	0.1804	0.8184	0.6149	0.6388
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6463	0.6129
ci200186m_ExtendedFingerprinter	0.8450	0.1437	0.8499	0.6833	0.5600
ci900367j_MACCS	0.6000	0.4000	0.6000	0.1855	0.9090
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7986	0.0951	0.8174	0.6955	0.4183
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.6684	0.2213	0.6766	0.4601	0.3934
cm1	0.9000	0.1000	0.9000	0.3902	0.6445
cmc	0.4490	0.3673	0.4490	0.1368	0.7819
cnae-9	0.6695	0.0718	0.6661	0.6344	0.1682
codon_usage	0.6051	0.0718	0.6075	0.5099	0.2205
coil20	0.9771	0.0021	0.9899	0.9668	0.0147
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7586	0.2414	0.7586	0.4587	0.7218
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.5517	0.4483	0.5517	0.0959	0.9600
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.7097	0.1935	0.7097	0.5365	0.3163
connect-4	0.9995	0.0101	0.9859	0.4860	0.0312
cottonmeloidogyne	0.6570	0.3485	0.6486	0.3058	0.7423
coupon	0.7222	0.2794	0.7287	0.4177	0.7768
covtype	0.7089	0.0840	0.7093	0.5194	0.3567
covtypeCD	0.9908	0.0124	0.9992	0.9437	0.1334
covtypeT	0.9791	0.0240	0.9730	0.8039	0.3338
cox2_cdk_ECFP2	0.8111	0.1978	0.7956	0.1198	0.6392
crowdsourced	0.8793	0.0402	0.8793	0.7557	0.2786
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3246	0.1501
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.8148	0.1852	0.8148	0.6255	0.6355
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8169	0.1760	0.8298	0.3846	0.6270
deposit	0.8885	0.1017	0.8888	0.4312	0.6085
dermatology	0.9189	0.0270	0.9189	0.8984	0.0887
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9494	0.0493	0.9554	0.9091	0.2073
dhfr_cdk_ECFP2	0.7920	0.1956	0.8027	0.5397	0.3918
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5319	0.3047	0.5459	0.0000	0.3439
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6053	0.4045	0.5949	0.1690	0.9376
dlbcl-harvard-tumor	0.6192	0.3711	0.6325	0.1414	0.8343
dlbcl-nih	0.5074	0.5013	0.4981	-0.0289	0.9975
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5750	0.4317	0.5683	0.1243	0.8956
dropout	0.6998	0.2001	0.6998	0.5131	0.5514
drug-01	0.3670	0.1809	0.3670	0.0637	0.7450
drug-02	0.3830	0.1763	0.3830	0.1335	0.6860
drug-03	0.6170	0.1094	0.6170	-0.0014	0.6239
drug-04	0.3404	0.1885	0.3404	0.0826	0.7469
drug-05	0.6862	0.0897	0.6862	0.0183	0.6473
drug-06	0.2819	0.2052	0.2819	0.1147	0.6815
drug-07	0.3511	0.1854	0.3511	-0.0249	0.6073
drug-08	0.5266	0.1353	0.5266	0.1701	0.5864
drug-09	0.8351	0.0471	0.8351	0.0157	0.4501
drug-10	0.4947	0.1444	0.4947	0.0966	0.6672
drug-11	0.8085	0.0547	0.8085	0.0847	0.4907
drug-12	0.7021	0.0851	0.7021	-0.0580	0.6722
drug-13	0.5213	0.1368	0.5213	0.1045	0.7532
drug-14	0.5532	0.1277	0.5532	0.1966	0.6118
drug-15	0.6809	0.0912	0.6809	-0.0017	0.6766
drug-16	0.5000	0.1429	0.5000	0.1391	0.5875
drug-17	0.2234	0.2219	0.2234	0.0704	0.7193
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7181	0.0805	0.7181	0.0919	0.6331
drybean	0.8677	0.0378	0.8677	0.8407	0.1951
ecoli	0.8235	0.0441	0.8235	0.7469	0.1276
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.1680	0.1030	0.1678	0.0292	0.3699
eeg-eye	0.5810	0.4223	0.5799	0.0658	0.5531
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6906	0.3094	0.6864	0.2776	0.7647
er_tox_cdk_ECFP2	0.7896	0.2141	0.7789	0.4667	0.6301
er_tox_rdkit_ATOMPAIR	0.9809	0.0325	0.9694	0.6561	0.4970
er_tox_rdkit_AVALON	0.9256	0.0652	0.9386	0.7160	0.4823
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9466	0.0653	0.9362	0.8671	0.3191
er_tox_rdkit_LAYERED	0.9368	0.0642	0.9391	0.7253	0.1746
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9712	0.0323	0.9733	0.6570	0.4867
er_tox_rdkit_PATTERN	0.9873	0.0162	0.9980	0.9601	0.0730
er_tox_rdkit_RDKITFP	0.8775	0.1152	0.8929	0.7298	0.5096
er_tox_rdkit_TORSION	0.9372	0.0651	0.9305	-0.0247	0.6341
eucalyptus	0.5890	0.1644	0.5890	0.4613	0.4150
euthyroid	0.9652	0.0348	0.9652	0.8114	0.3967
exon.vs.intron-freq	0.9306	0.0841	0.9248	0.8280	0.3706
fbis-wc	0.5775	0.0511	0.5742	0.4926	0.2517
fda.atompair_fp	0.6818	0.3182	0.6818	0.1538	0.8802
fertility	0.6000	0.4000	0.6000	-0.1765	0.5613
flags	0.8000	0.0500	0.8000	0.7436	0.1112
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4014	0.0077	0.4079	0.3517	0.2600
forest	0.8462	0.0769	0.8462	0.7878	0.2282
gas	0.7495	0.0814	0.7567	0.7131	0.1981
gastrointestinal	0.8125	0.1250	0.8125	0.6735	0.2281
gender	0.5870	0.2729	0.5808	-0.0024	0.4141
gene	0.9289	0.0417	0.9455	0.8970	0.1804
german	0.6700	0.3300	0.6700	0.2601	0.8739
gina	0.8547	0.1574	0.8338	0.6880	0.5217
glass	0.7143	0.0952	0.7143	0.5935	0.2614
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8710	0.2846
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.9993	0.0000	0.9934	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7551	0.4910
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4000	0.3000	0.4000	0.1818	0.4770
haberman	0.7000	0.3000	0.7000	0.2012	0.8607
hapt	0.9174	0.0149	0.9007	0.8921	0.0962
har70	0.8361	0.0435	0.8421	0.7744	0.1422
harth10%	0.7437	0.0445	0.7246	0.6303	0.1578
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8039	0.2030	0.7955	0.5963	0.6146
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.5460	0.4535	0.5499	0.0477	0.5827
higher	0.1429	0.2143	0.1429	-0.0120	0.4414
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8811	0.1111	0.8980	0.5224	0.4596
hiva	0.9578	0.0353	0.9671	0.2014	0.4410
horse	0.5556	0.2963	0.5556	0.2549	0.6524
htru2	0.9785	0.0229	0.9670	0.8533	0.2394
ht-sensor	0.7363	0.1796	0.7404	0.6000	0.3800
hypothyroid	0.9894	0.0053	0.9894	0.9350	0.0596
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.6102	0.3898	0.6102	-0.0414	0.9436
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5947	0.0313	0.6028	0.5717	0.2005
jm1	0.8209	0.1930	0.7994	0.0453	0.4498
fvowels	0.7869	0.0490	0.7852	0.7600	0.2226
kc1	0.8152	0.1848	0.8152	0.2908	0.7516
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.1942	0.1422
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.8131	0.0198	0.8327	0.8107	0.2184
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5011	0.1640	0.5116	0.3137	0.3345
la2s-wc	0.7484	0.0798	0.7680	0.6976	0.3267
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5294	0.0235	0.5294	0.5095	0.1237
led24	0.5000	0.1000	0.5000	0.4413	0.2083
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4419	0.0435	0.4402	0.4164	0.2731
leukemia	0.8658	0.0965	0.8497	0.7771	0.1658
leukemia2	0.8630	0.1446	0.8576	0.7247	0.4070
libra	0.6389	0.0481	0.6389	0.6119	0.1669
linkage10%	1.0000	0.0000	1.0000	1.0000	0.0001
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.5176	0.0870	0.5237	0.3645	0.3865
lrs	0.7736	0.0453	0.7736	0.6922	0.2106
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9120	0.0377	0.9123	0.7891	0.0856
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9586	0.0202	0.9441	0.9005	0.0440
lung-cancer-harvard2	1.0000	0.0000	1.0000	0.9927	0.0000
lung-cancer-michigan	0.9975	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1952
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	0.9959	1.0000	0.0000
madelon	0.4730	0.5332	0.4736	-0.0616	1.0000
magic04	0.7848	0.2225	0.7676	0.4380	0.5070

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7396	0.2604	0.7396	0.4845	0.7281
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8020	0.1320	0.8020	0.6999	0.4135
messidor	0.6348	0.3652	0.6348	0.2465	0.8983
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8333	0.0833	0.8333	0.7632	0.1462
meter-D	0.7778	0.1111	0.7778	0.7000	0.1853
mfeat-fac	0.9186	0.0148	0.9299	0.9171	0.0879
mfeat-fou	0.6500	0.0700	0.6500	0.6111	0.2612
mfeat-kar	0.8200	0.0360	0.8200	0.8000	0.1771
mfeat-mor	0.6550	0.0690	0.6550	0.6167	0.2484
mfeat-pix	0.9491	0.0120	0.9506	0.9228	0.0702
mfeat-zer	0.6150	0.0770	0.6150	0.5722	0.2912
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4412	0.2235	0.4412	0.3009	0.5150
mobile	0.5559	0.0159	0.5559	0.5475	0.2024
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	0.9908	0.0000	1.0000	1.0000	0.0000
musk	0.8930	0.1138	0.8763	0.3745	0.2525
mutagen_class_1	0.5294	0.4706	0.5294	0.0588	0.9796
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.6501	0.3582	0.6457	0.2951	0.7444
MUT_ci034254q_MACCS	0.5902	0.4098	0.5902	0.1770	0.9363
MUT_ci300400a	0.5975	0.4051	0.5920	0.0632	0.5713
MUT_ci300400a_cdk_ECFP2	0.5883	0.4101	0.6044	0.0386	0.5368
myocardial	0.8765	0.0309	0.8765	0.4137	0.2808
naticusdroid	0.9433	0.0451	0.9642	0.9133	0.2380
nci9	0.6671	0.0734	0.6636	0.6048	0.0439
ncRNA10%	0.9172	0.0095	0.8821	0.7275	0.2064
newspop	0.5254	0.4739	0.5321	0.0006	0.5218
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9558	0.0538	0.9382	0.8745	0.3107
NPHA-doctor-visits	0.4167	0.3889	0.4167	0.0467	0.8127
nursery	0.9977	0.0009	0.9977	0.9966	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9795	0.0741
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0149
oh0-wc	0.7127	0.0555	0.7335	0.6752	0.1455
oh10-wc	0.5214	0.0959	0.5279	0.4458	0.2821
oh15-wc	0.5605	0.0864	0.5652	0.4955	0.2204
oh5-wc	0.4977	0.1025	0.4901	0.4093	0.2731
opn310k	0.9227	0.0890	0.9183	0.0350	0.2215
opnat310k-hg16-17	0.9027	0.0903	0.9032	0.0270	0.2476
optdigits	0.9325	0.0119	0.9550	0.9333	0.0759
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.7318	0.0136	0.7304	0.7246	0.0670
orlraws10P	0.9958	0.0000	1.0000	0.9937	0.0000
ovarian-cancer	1.0000	0.0000	0.9979	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.0969	0.6276
ozone8hr	0.8854	0.1146	0.8854	0.0068	0.7093
p53-mutants10%	0.9952	0.0063	0.9830	-0.0032	0.5203
page-blocks	0.9817	0.0073	0.9817	0.8971	0.1453

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.8758	0.1188	0.8933	0.7162	0.5230
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.5639	0.4337	0.5675	-0.0311	0.6812
pd	0.8443	0.1441	0.8666	0.5414	0.4575
pediatric-leukemia	0.8197	0.0512	0.8161	0.7867	0.1700
pendigits	0.9554	0.0089	0.9554	0.9504	0.0639
period	0.7778	0.2222	0.7778	0.5714	0.5000
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8258	0.1883	0.8098	0.5665	0.6331
P-Glycoprotein_b_Substrate	0.5600	0.4414	0.5633	0.1211	0.9305
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8448	0.1500	0.8399	0.7118	0.4719
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9673	0.0327	0.9673	0.9315	0.1998
phoneme	0.8926	0.1074	0.8926	0.7396	0.5027
phy	0.6514	0.3614	0.6461	0.2880	0.7859
pima	0.6842	0.3158	0.6842	0.3153	0.8453
plx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7643	0.0484	0.7673	0.5448	0.1919
polish-1st	0.9800	0.0256	0.9855	0.5814	0.3804
polish-2nd	0.9584	0.0393	0.9493	0.0441	0.2421
polish-3rd	0.9621	0.0484	0.9440	-0.0019	0.2418
polish-4th	0.9455	0.0410	0.9480	0.4423	0.3643
polish-5th	0.9548	0.0451	0.9667	0.5114	0.2301
polya	0.6445	0.3606	0.6513	0.0094	0.4986
popularity	0.6227	0.2443	0.6343	0.0010	0.3076
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.6481	0.1389	0.6553	0.5612	0.2402
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.2727	0.0661	0.2727	0.1959	0.3006
profb	0.5522	0.4478	0.5522	0.0510	0.9317
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9210	0.0718	0.9315	0.8562	0.2369
prostate_GE	1.0000	0.0000	0.9866	1.0000	0.0000
puc-rio	0.9154	0.0302	0.9148	0.9016	0.1088
pufs-6410%	0.4995	0.4986	0.4949	-0.0009	0.9894
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.5661	0.0673	0.5668	0.3278	0.3035
re1-wc	0.5228	0.0386	0.5206	0.4270	0.1953
rejafada	1.0000	0.0000	0.9924	1.0000	0.0000
relathe	0.9961	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9921	0.0050	0.9929	0.9941	0.0205
rocket	0.4078	0.5922	0.4078	0.0000	0.5255
RT_IOT2022	1.0000	0.0011	0.9937	0.9895	0.0080
satimage	0.8100	0.0593	0.8120	0.7692	0.1829
satimageF	0.9813	0.0187	0.9813	0.9050	0.2483
satimageT	0.8988	0.1026	0.8892	-0.0030	0.3199
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.9295	0.0644	0.9239	0.1488	0.4487
secondary_mushroom	0.6371	0.3565	0.6488	0.3281	0.5302
segment	0.9437	0.0161	0.9437	0.9342	0.0781
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8837	0.1163	0.8837	0.1044	0.6687
semeion	0.9904	0.0127	1.0000	0.9312	0.0492
sens-1-gram	0.7632	0.2368	0.7632	0.0447	0.7646
sens-2-gram	0.8584	0.1272	0.8747	0.0875	0.4340
sens-3-gram	0.8672	0.1276	0.8793	0.0341	0.2653
sens-4-gram	0.8463	0.1407	0.8756	0.1316	0.6293
sensorless	0.9046	0.0176	0.8986	0.8884	0.0789
sepsis	0.9065	0.0905	0.9112	0.0031	0.2088
shoppers	0.8654	0.1346	0.8654	0.4722	0.6655
shuttle	0.9978	0.0000	1.0000	1.0000	0.0135
sick	0.9655	0.0345	0.9655	0.6930	0.3904
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9974	0.0020	0.9854	0.9856	0.0348
smk_can_187	0.7318	0.2655	0.7461	0.4700	0.7553
solar-flare	0.7554	0.0815	0.7554	0.6895	0.2270
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9412	0.0062	0.9412	0.9355	0.0325
spambase	0.9309	0.0712	0.9349	0.8572	0.3201
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.4528	0.0228	0.4528	0.4204	0.1731
splice-EI	0.9825	0.0256	0.9651	0.9463	0.2034
splice-IE	0.9280	0.0659	0.9453	0.8093	0.3866
sport-articles	0.6900	0.3100	0.6900	0.3600	0.8245
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7897	0.2103	0.7897	0.3834	0.7542
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8816	0.0734	0.8888	0.8191	0.2521
steel-k	0.9744	0.0256	0.9744	0.9221	0.2232
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3077	0.4615	0.3077	-0.1038	0.7596
student-weekend	0.4154	0.2338	0.4154	0.1973	0.7061
student-workday	0.6875	0.1250	0.6875	0.0824	0.3405
susy10%	0.7272	0.2731	0.7371	0.4336	0.6199
swarm_aligned	0.9910	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9969	0.0004	1.0000	1.0000	0.0047
swarm_grouped	0.9908	0.0000	0.9855	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.8485	0.0284	0.8420	0.8190	0.1326
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7234	0.2766	0.7234	0.0728	0.7679
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.8658	0.1293	0.8588	0.6441	0.5636
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.6437	0.1753	0.6425	0.5222	0.2181
toxicity	0.5294	0.4706	0.5294	0.0423	0.9411
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.1076	0.9215
trec11-wc	0.8371	0.0375	0.8272	0.7939	0.1534
trec12-wc	0.8480	0.0407	0.8337	0.8091	0.1018

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9131	0.0302	0.9173	0.7784	0.0615
trec23-wc	0.9464	0.0157	0.9556	0.9230	0.0449
trec31-wc	0.9839	0.0062	0.9773	0.9819	0.0201
trec41-wc	0.9429	0.0113	0.9513	0.9225	0.0561
trec45-wc	0.9479	0.0088	0.9445	0.9404	0.0367
tuandromd	0.9780	0.0111	1.0000	0.9603	0.1057
turkish	0.8000	0.1000	0.8000	0.7333	0.2778
tvnews	0.7404	0.2536	0.7467	0.3869	0.6275
urban	0.7164	0.0630	0.7164	0.6680	0.2389
vehicle	0.7738	0.1131	0.7738	0.6904	0.2764
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.3838	0.1120	0.3838	0.3222	0.3155
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.9127	0.0910	0.9107	0.0017	0.2172
wap-wc	0.3349	0.0667	0.3365	0.1704	0.2843
warpar10p	0.6154	0.0769	0.6154	0.5608	0.1279
warppie10p	1.0000	0.0000	0.9903	0.9958	0.0000
watch-acc10%	0.8343	0.0494	0.8405	0.8106	0.1590
watch-gyr10%	0.8843	0.0364	0.8649	0.8398	0.1402
waveform	0.7322	0.1756	0.7307	0.6053	0.4128
web-phishing	0.8741	0.0840	0.8741	0.7786	0.3765
weight-lift	0.5360	0.1848	0.5400	0.3755	0.2964
white-clover	0.3333	0.3333	0.3333	-0.0909	0.3403
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0380
wilt	0.9814	0.0186	0.9814	0.8137	0.3903
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6604	0.1132	0.6604	0.4483	0.3769
winequality-white	0.6278	0.1063	0.6278	0.4298	0.4701
winnipeg	0.9594	0.0063	0.9761	0.9456	0.0490
yale	0.3750	0.0833	0.3750	0.3333	0.2194
yeast	0.5338	0.0932	0.5338	0.3949	0.3479
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.7187	0.0539	0.7254	0.6889	0.2253
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 201: Detailed results for GBM(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1101	0.0616	0.1088	0.0331	0.6500
abalone19	0.8278	0.1722	0.8278	-0.0139	0.0902
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9700	0.0300	0.9700	0.2995	0.5641
ads	0.9482	0.0518	0.9482	0.7870	0.4133
adult	0.8170	0.1830	0.8170	0.4558	0.6979
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.6667	0.3333	0.6667	-0.1934	0.7524
AID_1431	0.8095	0.1905	0.8095	-0.1045	0.6901
AID1608Morered	0.8835	0.1165	0.8835	0.0804	0.6801
AID1608red	0.4757	0.5243	0.4757	-0.0396	0.3254
AID_1878	0.7048	0.2952	0.7048	0.1591	0.7870
AID362red	0.1869	0.8131	0.1869	0.0059	0.0473
AID373AID439red	0.2915	0.7085	0.2915	0.0001	0.0007
AID373red	0.8296	0.1704	0.8296	-0.0000	0.0149
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.8377	0.1623	0.8377	0.0063	0.0455
AID600_MACCS	0.5946	0.4054	0.5946	0.1850	0.9170
AID_602330	0.4010	0.5990	0.4010	-0.0140	0.2260
AID604	0.7665	0.2335	0.7665	0.0201	0.0425
AID604AID644_AllRed	0.8130	0.1870	0.8130	0.0033	0.0148
AID644Morered	0.8000	0.2000	0.8000	0.4737	0.6644
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.6768	0.2155	0.6768	0.0240	0.5405
AID687AID721red	0.9970	0.0030	0.9970	-0.0010	0.2611
AID687red	0.5428	0.4572	0.5428	-0.0007	0.0247
AID688red	0.4038	0.5962	0.4038	0.0025	0.0549
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.3763	0.6237	0.3763	-0.0004	0.0076
AID746red	0.9868	0.0132	0.9868	0.2117	0.5017
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8154	0.1846	0.8154	0.5032	0.6987
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9524	0.0790
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9458	0.0271	0.9458	0.8951	0.1842
anuran-f-b	0.2754	0.7246	0.2754	0.0061	0.0321
anuran-genus	0.4924	0.1269	0.4924	0.3776	0.2200
anuran-species	0.9458	0.0108	0.9458	0.9246	0.0917
aps-failure	0.9839	0.0161	0.9839	0.5797	0.5237
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.6444	0.0547	0.6444	0.4122	0.3465
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6121	0.0324	0.6083	0.5625	0.1009
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8039	0.0778
avila	0.7288	0.0452	0.7288	0.6677	0.3533
balance	0.7581	0.1613	0.7581	0.5796	0.5202
bank	0.6409	0.3591	0.6409	0.0723	0.5898
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7811	0.2189	0.7811	0.5331	0.7123
basehock	0.1156	0.8844	0.1156	-0.7700	1.0000
bio	0.9939	0.0061	0.9939	0.6585	0.4539
biodeg	0.7619	0.2381	0.7619	0.4928	0.7437
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.0565	0.0651	0.0565	0.0024	0.0657
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.3636	0.6364	0.3636	-0.3051	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.0754
bridges	0.6000	0.1143	0.6000	0.3548	0.1585
bub10at310k-hg16-17	0.8517	0.1483	0.8517	0.2065	0.6917
bze_3d_rdkit_descriptors	0.2683	0.7317	0.2683	-0.2424	0.7733
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9565	0.0435	0.9565	0.9013	0.1598
car	0.8793	0.0603	0.8793	0.7456	0.1738
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.7042	0.0592	0.7042	0.6595	0.2835
cardiotocography-nsp	0.4085	0.3944	0.4085	0.1301	0.3272
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.6750	0.2167	0.6750	0.3140	0.5486
cas_N6512_cdk_ECFP2	0.7281	0.2719	0.7281	0.4559	0.7798
cdc_diabetes	0.3707	0.4195	0.3707	-0.0462	0.4893
census10%	0.9328	0.0672	0.9328	0.3818	0.6196
central-nervous-system	0.1667	0.8333	0.1667	-0.3636	0.9257
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9070	0.0930	0.9070	0.7957	0.3898
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9995	0.0005	0.9995	0.7676	0.3940
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6178	0.4923
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6389	0.6114
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6526	0.3474	0.6526	0.2498	0.8875
cirrhosis	0.7143	0.1905	0.7143	0.4437	0.5124
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.4954	0.2523	0.4954	0.2925	0.6030
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.6667	0.2222	0.6667	0.4000	0.2083
cm1	0.9600	0.0400	0.9600	0.7297	0.1201
cmc	0.3878	0.4082	0.3878	0.0688	0.8022
cnae-9	0.7954	0.0471	0.7766	0.7704	0.1774
codon_usage	0.5027	0.0904	0.5027	0.4130	0.4326
coil20	0.8449	0.0161	0.8329	0.8222	0.0832
collins	0.9200	0.0107	0.9200	0.9122	0.0315
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.5862	0.4138	0.5862	0.1256	0.9212
colposcopies-2	0.6552	0.3448	0.6552	0.2677	0.8814
colposcopies-3	0.6207	0.3793	0.6207	0.2084	0.9148
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8966	0.1034	0.8966	0.5246	0.2404
colposcopies-6	0.7241	0.2759	0.7241	0.4476	0.7886
colposcopies-c	0.6552	0.3448	0.6552	0.0584	0.8870
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9765	0.0157	0.9765	0.5180	0.4462
cottonmeloidogyne	0.6707	0.3293	0.6707	0.3421	0.8492
coupon	0.6443	0.3557	0.6443	0.2780	0.8866
covtype	0.8118	0.0538	0.8118	0.6997	0.2416
covtypeCD	0.4215	0.5785	0.4215	0.0947	0.4419
covtypeT	0.9826	0.0174	0.9826	0.8640	0.2697
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.1697	0.7884
crowdsourced	0.7806	0.0731	0.7806	0.5519	0.5458
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0935	0.0458	0.0945	0.0643	0.3309
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.7963	0.2037	0.7963	0.5763	0.6650
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.3077	0.6923	0.3077	-0.1584	0.3915
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.5030	0.4970	0.5030	-0.0052	0.7902
deposit	0.8797	0.1203	0.8797	0.3790	0.6739
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	-0.1765	0.5824
dexter	0.8629	0.1338	0.8581	0.7304	0.4885
dhfr_cdk_ECFP2	0.6974	0.3026	0.6974	0.3555	0.8332
diabetes	0.9038	0.0962	0.9038	0.7910	0.3835
diabetic10%	0.4813	0.3458	0.4813	0.0051	0.7235
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4167	0.5833	0.4167	-0.1667	1.0000
dlbcl-stanford	0.8155	0.1982	0.8021	0.6168	0.4603
dota2	0.5227	0.4773	0.5227	0.0499	0.9800
dropout	0.4786	0.3476	0.4786	0.1894	0.6799
drug-01	0.3191	0.1945	0.3191	0.0407	0.6994
drug-02	0.2447	0.2158	0.2447	0.0218	0.6677
drug-03	0.3670	0.1809	0.3670	0.0541	0.5811
drug-04	0.3830	0.1763	0.3830	0.0338	0.7963
drug-05	0.4521	0.1565	0.4521	-0.0997	0.7108
drug-06	0.2713	0.2082	0.2713	0.1379	0.7103
drug-07	0.2394	0.2173	0.2394	-0.0893	0.7913
drug-08	0.3723	0.1793	0.3723	-0.0038	0.8225
drug-09	0.1330	0.2477	0.1330	-0.0397	0.4352
drug-10	0.2553	0.2128	0.2553	0.0279	0.7837
drug-11	0.2660	0.2097	0.2660	-0.0182	0.5796
drug-12	0.4149	0.1672	0.4149	-0.0345	0.6367
drug-13	0.4734	0.1505	0.4734	0.0988	0.6543
drug-14	0.3883	0.1748	0.3883	0.0491	0.6588
drug-15	0.5585	0.1261	0.5585	0.0313	0.7211
drug-16	0.4096	0.1687	0.4096	0.0901	0.6476
drug-17	0.2500	0.2143	0.2500	0.0951	0.7955
drug-18	0.1330	0.3468	0.1330	0.0005	0.0351
drug-19	0.5160	0.1383	0.5160	-0.0310	0.5146
drybean	0.3615	0.1824	0.3615	0.2567	0.4472
ecoli	0.5588	0.1103	0.5588	0.4486	0.1182
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8197	0.1808
ecoliMU	0.7576	0.2424	0.7576	0.0833	0.6139
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.3132	0.0859	0.3132	0.2513	0.7120
eeg-eye	0.4720	0.5280	0.4720	-0.0559	1.0000
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2684	0.8698
er_tox_cdk_ECFP2	0.5333	0.4667	0.5333	0.0175	0.9555
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7615	0.4418
er_tox_rdkit_MACCS	0.2258	0.7742	0.2258	-0.0561	0.2515
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.3226	0.6774	0.3226	-0.2904	0.9327
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4839	0.6909
er_tox_rdkit_TORSION	0.0968	0.9032	0.0968	-0.1008	0.2738
eucalyptus	0.4110	0.2356	0.4110	0.2628	0.5254
euthyroid	0.9652	0.0348	0.9652	0.8061	0.3831
exon.vs.intron-freq	0.9641	0.0359	0.9641	0.9279	0.2086
fbis-wc	0.6829	0.0373	0.6829	0.6387	0.2780
fda.atompair_fp	0.5909	0.4091	0.5909	0.1081	0.8674
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6053	0.1893
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.1358	0.0113	0.1358	0.1218	0.4881
forest	0.8462	0.0769	0.8462	0.7901	0.2379
gas	0.7254	0.0915	0.7254	0.6665	0.2543
gastrointestinal	0.6875	0.2083	0.6875	0.4406	0.3964
gender	0.3874	0.4084	0.3874	0.0041	0.7769
gene	0.7666	0.1556	0.7666	0.6339	0.4436
german	0.7000	0.3000	0.7000	0.2840	0.8249
gina	0.1585	0.8415	0.1585	-0.6817	1.0000
glass	0.4286	0.1905	0.4286	0.2246	0.3821
glassBWFP	0.6190	0.3810	0.6190	0.1515	0.9201
glassBWNFP	0.7143	0.2857	0.7143	0.3571	0.8215
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8772	0.3145
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2279
glioma-grade	0.7857	0.2143	0.7857	0.5443	0.6642
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.0000	1.0000	0.0000	-0.9600	0.9852
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4667	0.2667	0.4667	0.2547	0.5520
haberman	0.6000	0.4000	0.6000	-0.1111	0.9438
hapt	0.9085	0.0152	0.9085	0.8919	0.0961
har70	0.7031	0.0848	0.7031	0.5882	0.3199
harth10%	0.7680	0.0387	0.7680	0.6849	0.3268
hayes-roth	0.1895	0.5494	0.1871	-0.2521	0.6385
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7407	0.2593	0.7407	0.4392	0.7429
heart-c	0.7667	0.2333	0.7667	0.5249	0.6926
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7498	0.2502	0.7498	0.4995	0.7503
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.2308	0.7692	0.2308	0.0000	0.4238
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.6434	0.3566	0.6434	0.2870	0.8848
higher	0.2143	0.1964	0.2143	0.0253	0.3075
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.5531	0.4469	0.5531	0.0765	0.6770
hiva	0.4468	0.5532	0.4468	-0.0274	0.2115
horse	0.4167	0.3889	0.4167	0.0644	0.6786
htru2	0.7162	0.2838	0.7162	0.0588	0.5808
ht-sensor	0.5355	0.3096	0.5355	0.3009	0.3699
hypothyroid	0.2149	0.3926	0.2149	0.0855	0.1589
hypothyroidT	0.1963	0.8037	0.1963	0.0170	0.2317
ilpd	0.6271	0.3729	0.6271	0.0910	0.9108
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5259	0.0360	0.5314	0.5090	0.3609
jm1	0.4261	0.5739	0.4261	-0.0386	0.7070
jvowels	0.6968	0.0674	0.6968	0.6540	0.3024
kc1	0.8436	0.1564	0.8436	0.3142	0.7078
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.2857	0.0595	0.2857	0.0909	0.2076
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.1734	0.7219
kidney-disease	0.9500	0.0500	0.9500	0.8904	0.1808
krkopt	0.4014	0.0665	0.4014	0.3416	0.4506
krvskp	0.9906	0.0094	0.9906	0.9811	0.0713
la1s-wc	0.6190	0.1270	0.6190	0.5147	0.4506
la2s-wc	0.6192	0.1269	0.6192	0.5260	0.4276
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.4706	0.0265	0.4706	0.4462	0.1123
led24	0.5500	0.0900	0.5500	0.4972	0.1592
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.6640	0.0258	0.6640	0.6505	0.2209
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.2778	0.0963	0.2778	0.2277	0.3256
linkage10%	0.8757	0.1243	0.8757	0.0487	0.0778
liver	0.4412	0.5588	0.4412	-0.0949	0.9344
localization	0.5226	0.0868	0.5226	0.4167	0.6577
lrs	0.7925	0.0415	0.7925	0.7146	0.1488
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7477	0.0714	0.7511	0.6906	0.1035
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.6667	0.0741	0.6667	0.5500	0.0972
madelon	0.5164	0.4756	0.5241	0.0467	0.9959
magic04	0.2478	0.7522	0.2478	-0.4103	0.9800

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5258	0.6913
MAO_MACCS	0.7143	0.2857	0.7143	0.4615	0.5000
maternal	0.8119	0.1254	0.8119	0.7136	0.3843
messidor	0.5913	0.4087	0.5913	0.1704	0.9362
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.2222	0.3889	0.2222	-0.0769	0.4344
meter-D	0.8889	0.0556	0.8889	0.8475	0.1019
mfeat-fac	0.7914	0.0403	0.7893	0.7829	0.2045
mfeat-fou	0.4827	0.1025	0.4802	0.4272	0.4125
mfeat-kar	0.6397	0.0710	0.6401	0.6078	0.3568
mfeat-mor	0.5283	0.0940	0.5231	0.4836	0.3541
mfeat-pix	0.7864	0.0439	0.7913	0.7530	0.2398
mfeat-zer	0.5859	0.0818	0.5875	0.5458	0.3401
mice-prot	0.9290	0.0183	0.9385	0.9126	0.0793
mines	0.5294	0.1882	0.5294	0.4113	0.4712
mobile	0.1259	0.0312	0.1259	0.1100	0.3288
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.5515	0.4485	0.5515	0.1425	0.5803
mutagen_class_1	0.5735	0.4265	0.5735	0.1471	0.9488
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9962
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.2794	0.7206	0.2794	-0.4412	1.0000
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3326	0.8516
MUT_ci300400a	0.7707	0.2293	0.7707	0.5284	0.7209
MUT_ci300400a_cdk_ECFP2	0.4472	0.5528	0.4472	-0.0481	0.9608
myocardial	0.8294	0.0426	0.8294	0.3877	0.5038
naticusdroid	0.9659	0.0341	0.9659	0.9318	0.2001
nci9	0.1650	0.1856	0.1665	0.0905	0.0624
ncRNA10%	0.8254	0.0184	0.8254	0.5187	0.7162
newspop	0.5759	0.4241	0.5759	0.1533	0.9449
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.8293	0.4011
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.3749	0.6251	0.3749	-0.1439	0.8778
NPHA-doctor-visits	0.3056	0.4630	0.3056	-0.0129	0.7512
nursery	0.9853	0.0059	0.9853	0.9785	0.0314
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9753	0.0844
Occupancy_Estimation	0.9121	0.0439	0.9121	0.7325	0.0577
oh0-wc	0.5347	0.0931	0.5347	0.4658	0.3294
oh10-wc	0.5905	0.0819	0.5905	0.5250	0.3079
oh15-wc	0.6304	0.0739	0.6304	0.5775	0.3263
oh5-wc	0.4725	0.1055	0.4725	0.4050	0.3553
opn310k	0.8435	0.1565	0.8435	0.1433	0.6999
opnat310k-hg16-17	0.8599	0.1401	0.8599	0.1721	0.7071
optdigits	0.7028	0.0594	0.7028	0.6701	0.2518
optdigitsZ	0.9875	0.0125	0.9875	0.9252	0.2295
orl	0.4276	0.0291	0.4248	0.4119	0.1314
orlraws10P	0.5055	0.1013	0.4999	0.4451	0.1456
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9170	0.0830	0.9170	-0.0424	0.5681
ozone8hr	0.8893	0.1107	0.8893	0.1180	0.6958
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.8885	0.0446	0.8885	0.5621	0.2700

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9750	0.0250	0.9750	0.9484	0.1644
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8618	0.1382	0.8618	0.6639	0.5829
pasture	0.2475	0.5006	0.2525	0.0000	0.4983
pc1	0.2703	0.7297	0.2703	-0.0961	0.3570
pcmac	0.5258	0.4742	0.5258	-0.0808	0.9409
pd	0.8026	0.1974	0.8026	0.4643	0.7220
pediatric-leukemia	0.6405	0.1000	0.6507	0.5721	0.2677
pendigits	0.7862	0.0428	0.7862	0.7619	0.1647
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.7938	0.2062	0.7938	0.5441	0.6988
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9099
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8016	0.1984	0.8016	0.6028	0.6601
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.4500	0.5500	0.4500	-0.1224	1.0000
phishing	0.2816	0.7184	0.2816	-0.3702	1.0000
phoneme	0.8778	0.1222	0.8778	0.6942	0.5354
phy	0.5984	0.4016	0.5984	0.1968	0.9302
pima	0.4342	0.5658	0.4342	-0.0778	0.9681
plrx	0.7778	0.2222	0.7778	0.2653	0.3876
poker	0.6706	0.0659	0.6706	0.3929	0.4398
polish-1st	0.2560	0.7440	0.2560	-0.0022	0.1727
polish-2nd	0.9410	0.0590	0.9410	0.0045	0.6410
polish-3rd	0.3219	0.6781	0.3219	-0.0099	0.2306
polish-4th	0.9306	0.0694	0.9306	0.2406	0.6401
polish-5th	0.9154	0.0846	0.9154	0.2972	0.6520
polya	0.6638	0.3362	0.6638	0.2660	0.8759
popularity	0.5468	0.3021	0.5468	0.1160	0.7002
post-operative	0.2222	0.5185	0.2222	0.0000	0.5047
postures	0.7991	0.0804	0.7991	0.7489	0.1985
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.4242	0.0523	0.4242	0.3692	0.2375
profb	0.6119	0.3881	0.6119	0.2118	0.8605
promoters	0.7000	0.3000	0.7000	0.4444	0.5112
prostate	0.6429	0.3571	0.6429	0.2222	0.8255
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.6820	0.1272	0.6820	0.5821	0.2828
pufs-6410%	0.5042	0.4958	0.5042	0.0084	0.9890
raisin	0.8750	0.1348	0.8805	0.7305	0.4993
re0-wc	0.6267	0.0574	0.6267	0.5397	0.4344
re1-wc	0.7108	0.0231	0.7108	0.6577	0.1602
rejafada	0.9648	0.0352	0.9648	0.0000	0.1039
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9668	0.0384
rocket	0.5704	0.4296	0.5704	0.1465	0.9272
RT_IOT2022	0.8990	0.0168	0.8990	0.7489	0.0465
satimage	0.8383	0.0539	0.8383	0.8016	0.2356
satimageF	0.2613	0.7387	0.2613	0.0400	0.3008
satimageT	0.8802	0.1198	0.8802	0.4167	0.6615
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.8782	0.1218	0.8782	0.1094	0.6522
secondary_mushroom	0.9993	0.0007	0.9993	0.9987	0.0072
segment	0.6797	0.0915	0.6797	0.6254	0.1807
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.3992	0.6008	0.3992	-0.0405	0.3371
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7605	0.2395	0.7605	0.0704	0.7557
sens-2-gram	0.7553	0.2447	0.7553	0.1406	0.7291
sens-3-gram	0.7816	0.2184	0.7816	0.0831	0.7682
sens-4-gram	0.7553	0.2447	0.7553	0.1165	0.7374
sensorless	0.1817	0.1488	0.1817	0.0999	0.3575
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8751	0.1249	0.8751	0.4758	0.6352
shuttle	0.9474	0.0150	0.9474	0.8654	0.2856
sick	0.9708	0.0292	0.9708	0.7505	0.3684
sirtuin6	1.0000	0.0000	0.9999	1.0000	0.0000
skin	0.9996	0.0004	0.9996	0.9986	0.0080
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.7122	0.0959	0.7122	0.6309	0.2394
sonar	0.7500	0.2500	0.7500	0.5000	0.7429
soybean	0.6176	0.0402	0.6176	0.5772	0.1258
spambase	0.9152	0.0848	0.9152	0.8229	0.3962
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.8000	0.2000	0.8000	0.5243	0.7024
spectrometer	0.4717	0.0220	0.4717	0.4411	0.1337
splice-EI	0.4953	0.5047	0.4953	0.0541	0.7920
splice-IE	0.8833	0.1167	0.8833	0.6754	0.5515
sport-articles	0.7500	0.2500	0.7500	0.4667	0.7628
squash-stored	0.8000	0.1333	0.8000	0.6667	0.1393
squash-unstored	0.4000	0.4000	0.4000	-0.0714	0.4316
steel-b	0.7897	0.2103	0.7897	0.4042	0.7440
steel-d	0.9641	0.0359	0.9641	0.4431	0.5787
steel_industry	0.0933	0.6045	0.0933	-0.3992	0.8089
steel-k	0.9641	0.0359	0.9641	0.8889	0.2600
steel-o	0.7026	0.2974	0.7026	0.3583	0.8256
steel-p	0.3436	0.6564	0.3436	-0.0407	0.3799
steel-s	0.1282	0.8718	0.1282	-0.0136	0.1710
steel-z	0.9692	0.0308	0.9692	0.8401	0.3898
studentap	0.3846	0.4103	0.3846	0.0370	0.6526
student-weekend	0.3538	0.2585	0.3538	0.1247	0.6800
student-workday	0.6719	0.1313	0.6719	0.1028	0.5790
susy10%	0.4710	0.5290	0.4710	-0.0504	1.0000
swarm_aligned	0.4569	0.5431	0.4569	0.1425	0.5137
swarm_flocking	0.9983	0.0017	0.9983	0.9967	0.0153
swarm_grouped	0.9996	0.0004	0.9996	0.9991	0.0060
tae	0.3333	0.4444	0.3333	0.0000	0.7423
Tdp_desc	0.7778	0.2222	0.7778	0.3571	0.7720
texture	0.6964	0.0552	0.6964	0.6644	0.1983
theorem	0.0000	1.0000	0.0000	-0.9468	0.9802
thoracic	0.6809	0.3191	0.6809	-0.0698	0.7727
Thyroid_Diff	0.2105	0.7895	0.2105	-0.5789	0.9109
tic-tac-toe	0.9263	0.0737	0.9263	0.8388	0.3760
tis	0.7435	0.2565	0.7435	0.2979	0.8119
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6265	0.1248	0.6213	0.4876	0.2082
tox_171	0.4118	0.2941	0.4118	0.2056	0.4284
toxicity	0.4706	0.5294	0.4706	-0.1168	0.9859
toxicity-13f	0.8235	0.1765	0.8235	0.6277	0.6246
trains	0.4914	0.5096	0.4947	0.0000	0.5201
transfusion	0.4133	0.5867	0.4133	-0.1340	0.8293
trec11-wc	0.5610	0.0976	0.5610	0.4349	0.3324
trec12-wc	0.4839	0.1290	0.4839	0.3404	0.3236

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.5751	0.2133
trec23-wc	0.6667	0.1111	0.6667	0.5164	0.2464
trec31-wc	0.8925	0.0307	0.8925	0.8579	0.1785
trec41-wc	0.7614	0.0477	0.7614	0.7076	0.2511
trec45-wc	0.7101	0.0580	0.7101	0.6588	0.2405
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.5945	0.1997	0.6060	0.4604	0.5247
tvnews	0.6692	0.3308	0.6692	0.3603	0.7648
urban	0.7164	0.0630	0.7164	0.6639	0.2037
vehicle	0.6667	0.1667	0.6667	0.5516	0.3709
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.6667	0.3333	0.6667	0.2500	0.8750
vote	0.7907	0.2093	0.7907	0.5834	0.6289
vowel	0.4859	0.0924	0.4870	0.4383	0.3158
vowelZ	0.9596	0.0404	0.9596	0.7284	0.3476
vrnormat310k-hg16-17	0.8792	0.1208	0.8792	0.2721	0.6907
wap-wc	0.6218	0.0378	0.6218	0.5781	0.2611
warpar10p	0.5379	0.0934	0.5309	0.4694	0.1726
warppiel10p	0.8542	0.0282	0.8650	0.8340	0.0725
watch-acc10%	0.4995	0.1430	0.4995	0.4125	0.2842
watch-gyr10%	0.7417	0.0738	0.7417	0.6983	0.1437
waveform	0.7460	0.1693	0.7460	0.6189	0.4949
web-phishing	0.8370	0.1086	0.8370	0.7184	0.4346
weight-lift	0.6334	0.1467	0.6334	0.5346	0.3306
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9644	0.0177	0.9615	0.9561	0.0756
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	0.0588	0.6275	0.0588	-0.3737	0.5251
winequality-red	0.4528	0.1824	0.4528	0.2095	0.6078
winequality-white	0.4029	0.1706	0.4029	0.1595	0.6633
winnipeg	0.7320	0.0766	0.7320	0.6689	0.2309
yale	0.3127	0.0911	0.3147	0.2699	0.2234
yeast	0.3784	0.1243	0.3784	0.2288	0.4879
yeastCYT-POX	0.1224	0.8776	0.1224	-0.0364	0.2010
yeastEXC	0.9189	0.0811	0.9189	0.2183	0.4747
yeastME1	0.1284	0.8716	0.1284	-0.0236	0.1415
yeastME2	0.6824	0.3176	0.6824	0.1008	0.3270
zip	0.7194	0.0561	0.7194	0.6849	0.2384
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 202: Detailed results for GBM(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1103	0.0614	0.1103	0.0332	0.6589
abalone19	0.8278	0.1722	0.8278	-0.0139	0.0902
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9700	0.0300	0.9700	0.2995	0.5641
ads	0.9482	0.0518	0.9482	0.7870	0.4133
adult	0.8170	0.1830	0.8170	0.4558	0.6979
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.6667	0.3333	0.6667	-0.1934	0.7524
AID_1431	0.8095	0.1905	0.8095	-0.1045	0.6901
AID1608Morered	0.8835	0.1165	0.8835	0.0804	0.6801
AID1608red	0.4757	0.5243	0.4757	-0.0396	0.3254
AID_1878	0.7048	0.2952	0.7048	0.1591	0.7870
AID362red	0.1869	0.8131	0.1869	0.0059	0.0473
AID373AID439red	0.2915	0.7085	0.2915	0.0001	0.0007
AID373red	0.8296	0.1704	0.8296	-0.0000	0.0149
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.5882	0.5283
AID456red	0.8377	0.1623	0.8377	0.0063	0.0455
AID600_MACCS	0.5946	0.4054	0.5946	0.1850	0.9170
AID_602330	0.4010	0.5990	0.4010	-0.0140	0.2260
AID604	0.7665	0.2335	0.7665	0.0201	0.0425
AID604AID644_AllRed	0.8130	0.1870	0.8130	0.0033	0.0148
AID644Morered	0.8000	0.2000	0.8000	0.4737	0.6644
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.7879	0.1414	0.7879	0.0882	0.3891
AID687AID721red	0.9970	0.0030	0.9970	-0.0010	0.2611
AID687red	0.5428	0.4572	0.5428	-0.0007	0.0247
AID688red	0.4038	0.5962	0.4038	0.0025	0.0549
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.4444	0.5556	0.4444	-0.3636	0.8576
AID746AID1284red	0.3763	0.6237	0.3763	-0.0004	0.0076
AID746red	0.9868	0.0132	0.9868	0.2117	0.5017
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8154	0.1846	0.8154	0.5032	0.6987
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9388	0.0306	0.9388	0.8855	0.2798
anuran-f-b	0.2754	0.7246	0.2754	0.0061	0.0321
anuran-genus	0.9402	0.0150	0.9402	0.8993	0.1477
anuran-species	0.4472	0.1106	0.4472	0.3920	0.1549
aps-failure	0.9839	0.0161	0.9839	0.5797	0.5237
arcene	0.8500	0.1500	0.8500	0.6939	0.5599
arrhythmia	0.5111	0.0752	0.5111	0.3555	0.3735
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6087	0.0326	0.6087	0.5596	0.1014
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8693	0.0956
avila	0.2616	0.1231	0.2616	0.1908	0.3659
balance	0.1774	0.5484	0.1774	-0.3131	0.6936
bank	0.6409	0.3591	0.6409	0.0723	0.5898
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.7811	0.2189	0.7811	0.5331	0.7123
basehock	0.1156	0.8844	0.1156	-0.7700	1.0000
bio	0.9939	0.0061	0.9939	0.6585	0.4539
biodeg	0.7619	0.2381	0.7619	0.4928	0.7437
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
bitcoin10%	0.4638	0.0370	0.4638	-0.0057	0.2851
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7143	0.2857	0.7143	0.0000	0.4308
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.3636	0.6364	0.3636	-0.3051	1.0000
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0434
bridges	0.1000	0.2571	0.1000	0.0000	0.3259
bub10at310k-hg16-17	0.8517	0.1483	0.8517	0.2065	0.6917
bze_3d_rdkit_descriptors	0.2683	0.7317	0.2683	-0.2424	0.7733
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9565	0.0435	0.9565	0.9013	0.1598
car	0.9138	0.0431	0.9138	0.8229	0.2947
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.5399	0.0920	0.5399	0.4507	0.4473
cardiotocography-nsp	0.8732	0.0845	0.8732	0.6673	0.4038
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5531	0.5357
cas_N6512_cdk_ECFP2	0.7281	0.2719	0.7281	0.4559	0.7798
cdc_diabetes	0.2666	0.4889	0.2666	-0.0333	0.4757
census10%	0.9328	0.0672	0.9328	0.3818	0.6196
central-nervous-system	0.1667	0.8333	0.1667	-0.3636	0.9257
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9070	0.0930	0.9070	0.7957	0.3898
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
chrom19	0.9995	0.0005	0.9995	0.7676	0.3940
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6178	0.4923
ci200186m_DESC_PADEL	0.8333	0.1667	0.8333	0.6389	0.6114
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7220	0.5184
ci900367j_MACCS	0.6526	0.3474	0.6526	0.2498	0.8875
cirrhosis	0.5000	0.3333	0.5000	0.2864	0.5215
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.1620	0.4190	0.1620	0.0278	0.6301
climate	0.8519	0.1481	0.8519	0.1220	0.6540
cil_sub_111	0.2500	0.5000	0.2500	-0.1250	0.8117
cm1	0.9600	0.0400	0.9600	0.7297	0.1201
cmc	0.3537	0.4308	0.3537	0.0410	0.8069
cnae-9	0.7870	0.0473	0.7870	0.7604	0.1763
codon_usage	0.1105	0.1617	0.1105	0.0800	0.4005
coil20	0.8403	0.0160	0.8403	0.8319	0.0843
collins	0.9800	0.0027	0.9800	0.9781	0.0167
colon-tumor	0.5000	0.5000	0.5000	0.1818	0.5239
colposcopies-1	0.5862	0.4138	0.5862	0.1256	0.9212
colposcopies-2	0.6552	0.3448	0.6552	0.2677	0.8814
colposcopies-3	0.6207	0.3793	0.6207	0.2084	0.9148
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8966	0.1034	0.8966	0.5246	0.2404
colposcopies-6	0.7241	0.2759	0.7241	0.4476	0.7886
colposcopies-c	0.6552	0.3448	0.6552	0.0584	0.8870
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.6452	0.2366	0.6452	0.4269	0.3227
connect-4	0.9978	0.0015	0.9978	0.9493	0.0443
cottonmeloidogyne	0.6707	0.3293	0.6707	0.3421	0.8492
coupon	0.6443	0.3557	0.6443	0.2780	0.8866
covtype	0.9094	0.0259	0.9094	0.8582	0.2434
covtypeCD	0.4215	0.5785	0.4215	0.0947	0.4419
covtypeT	0.9826	0.0174	0.9826	0.8640	0.2697
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.1697	0.7884
crowdsourced	0.6369	0.1210	0.6369	0.4299	0.5396
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.0938	0.0453	0.0938	0.0645	0.3265
cyclopentane	0.6667	0.3333	0.6667	0.3077	0.8482
cylinder-bands	0.7963	0.2037	0.7963	0.5763	0.6650
darwin	0.8333	0.1667	0.8333	0.6667	0.5823
datatrieve	0.3077	0.6923	0.3077	-0.1584	0.3915
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.5030	0.4970	0.5030	-0.0052	0.7902
deposit	0.8797	0.1203	0.8797	0.3790	0.6739
dermatology	0.9459	0.0180	0.9459	0.9326	0.0619
desharnais	0.7500	0.1667	0.7500	0.4667	0.2255
dexter	0.8516	0.1329	0.8539	0.7256	0.4830
dhfr_cdk_ECFP2	0.6974	0.3026	0.6974	0.3555	0.8332
diabetes	0.9038	0.0962	0.9038	0.7910	0.3835
diabetic10%	0.3418	0.4388	0.3418	-0.0100	0.7750
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4167	0.5833	0.4167	-0.1667	1.0000
dlbcl-stanford	0.7889	0.1998	0.8100	0.6170	0.4639
dota2	0.5227	0.4773	0.5227	0.0499	0.9800
dropout	0.7291	0.1806	0.7291	0.5531	0.5283
drug-01	0.2713	0.2082	0.2713	0.0761	0.8161
drug-02	0.3191	0.1945	0.3191	0.0688	0.8434
drug-03	0.3564	0.1839	0.3564	-0.0211	0.5797
drug-04	0.3511	0.1854	0.3511	0.0987	0.8158
drug-05	0.2766	0.2067	0.2766	-0.0482	0.6889
drug-06	0.1064	0.2553	0.1064	0.0038	0.6490
drug-07	0.2819	0.2052	0.2819	-0.0236	0.7851
drug-08	0.3723	0.1793	0.3723	0.1128	0.8184
drug-09	0.2606	0.2112	0.2606	-0.0593	0.4508
drug-10	0.3830	0.1763	0.3830	0.0982	0.7821
drug-11	0.8085	0.0547	0.8085	0.0673	0.5027
drug-12	0.6330	0.1049	0.6330	0.0481	0.6928
drug-13	0.2447	0.2158	0.2447	0.0090	0.7160
drug-14	0.3138	0.1960	0.3138	0.0809	0.7054
drug-15	0.3457	0.1869	0.3457	-0.0127	0.6795
drug-16	0.4202	0.1657	0.4202	0.2158	0.7380
drug-17	0.2553	0.2128	0.2553	0.1068	0.7919
drug-18	0.1968	0.3213	0.1968	0.0026	0.0063
drug-19	0.5426	0.1307	0.5426	-0.0422	0.6472
drybean	0.7215	0.0796	0.7215	0.6720	0.2822
ecoli	0.7059	0.0735	0.7059	0.6014	0.1844
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8197	0.1808
ecoliMU	0.7576	0.2424	0.7576	0.0833	0.6139
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2952	0.0881	0.2952	0.2319	0.7553
eeg-eye	0.4720	0.5280	0.4720	-0.0559	1.0000
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2684	0.8698
er_tox_cdk_ECFP2	0.5333	0.4667	0.5333	0.0175	0.9555
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6897	0.5382
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7615	0.4418
er_tox_rdkit_MACCS	0.2258	0.7742	0.2258	-0.0561	0.2515
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.3226	0.6774	0.3226	-0.2904	0.9327
er_tox_rdkit_RDKITFP	0.7541	0.2459	0.7541	0.4839	0.6909
er_tox_rdkit_TORSION	0.0968	0.9032	0.0968	-0.1008	0.2738
eucalyptus	0.4658	0.2137	0.4658	0.3318	0.5812
euthyroid	0.9652	0.0348	0.9652	0.8061	0.3831
exon.vs.intron-freq	0.9641	0.0359	0.9641	0.9279	0.2086
fbis-wc	0.0163	0.1157	0.0163	-0.0013	0.3816
fda.atompair_fp	0.5909	0.4091	0.5909	0.1081	0.8674
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.5181	0.2002
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.3471	0.0085	0.3471	0.3275	0.7139
forest	0.7885	0.1058	0.7885	0.7094	0.2703
gas	0.9676	0.0108	0.9676	0.9608	0.0741
gastrointestinal	0.6250	0.2500	0.6250	0.4146	0.5998
gender	0.5179	0.3214	0.5179	0.0814	0.7519
gene	0.8707	0.0862	0.8707	0.7943	0.3089
german	0.7000	0.3000	0.7000	0.2840	0.8249
gina	0.1585	0.8415	0.1585	-0.6817	1.0000
glass	0.4762	0.1746	0.4762	0.3343	0.3704
glassBWFP	0.6190	0.3810	0.6190	0.1515	0.9201
glassBWNFP	0.7143	0.2857	0.7143	0.3571	0.8215
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8125	0.1875	0.8125	0.6129	0.6390
glassNW	0.9524	0.0476	0.9524	0.8772	0.3145
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.7857	0.2143	0.7857	0.5443	0.6642
green	0.5000	0.5000	0.5000	-0.0870	0.9393
GREY_MAO_DESC_PADEL	0.0000	1.0000	0.0000	-0.9600	0.9852
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.4667	0.2667	0.4667	0.2593	0.4519
haberman	0.6000	0.4000	0.6000	-0.1111	0.9438
hapt	0.6651	0.0558	0.6651	0.6061	0.2673
har70	0.8430	0.0449	0.8430	0.7765	0.4208
harth10%	0.4888	0.0852	0.4888	0.3699	0.6110
hayes-roth	0.1875	0.5417	0.1875	-0.2530	0.6419
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7407	0.2593	0.7407	0.4392	0.7429
heart-c	0.7667	0.2333	0.7667	0.5249	0.6926
hepatitis	0.6667	0.3333	0.6667	0.2424	0.7291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.7498	0.2502	0.7498	0.4995	0.7503
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.2308	0.7692	0.2308	0.0000	0.4238
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higgs10%	0.6434	0.3566	0.6434	0.2870	0.8848
higher	0.0714	0.2321	0.0714	-0.0964	0.5089
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.5531	0.4469	0.5531	0.0765	0.6770
hiva	0.4468	0.5532	0.4468	-0.0274	0.2115
horse	0.6667	0.2222	0.6667	0.4462	0.6141
htru2	0.7162	0.2838	0.7162	0.0588	0.5808
ht-sensor	0.9449	0.0368	0.9449	0.9171	0.1216
hypothyroid	0.9761	0.0119	0.9761	0.8602	0.2962
hypothyroidT	0.1963	0.8037	0.1963	0.0170	0.2317
ilpd	0.6271	0.3729	0.6271	0.0910	0.9108
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.8148	0.3671
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5276	0.0363	0.5276	0.5087	0.3587
jm1	0.4261	0.5739	0.4261	-0.0386	0.7070
fvowels	0.8845	0.0257	0.8845	0.8691	0.1740
kc1	0.8436	0.1564	0.8436	0.3142	0.7078
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.2057	0.1321
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.7885	0.2115	0.7885	0.1734	0.7219
kidney-disease	0.9500	0.0500	0.9500	0.8904	0.1808
krkopt	0.6182	0.0424	0.6182	0.5765	0.3596
krvskp	0.9906	0.0094	0.9906	0.9811	0.0713
la1s-wc	0.5238	0.1587	0.5238	0.4224	0.5600
la2s-wc	0.6159	0.1280	0.6159	0.5365	0.4495
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.5000	0.0250	0.5000	0.4788	0.1098
led24	0.4500	0.1100	0.4500	0.3906	0.2497
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.7415	0.0199	0.7415	0.7309	0.2159
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.5833	0.0556	0.5833	0.5526	0.1910
linkage10%	0.8757	0.1243	0.8757	0.0487	0.0778
liver	0.4412	0.5588	0.4412	-0.0949	0.9344
localization	0.6055	0.0717	0.6055	0.5202	0.6269
lrs	0.7358	0.0528	0.7358	0.6516	0.2333
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.8197	0.1722
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.7500	0.1000	0.7500	0.5726	0.1441
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1027
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.5714	0.2143	0.5714	0.3438	0.2274
lymphoma2	0.2222	0.1728	0.2222	0.1711	0.1754
madelon	0.5270	0.4834	0.5130	0.0454	0.9848
magic04	0.2478	0.7522	0.2478	-0.4103	0.9800

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7604	0.2396	0.7604	0.5258	0.6913
MAO_MACCS	0.7143	0.2857	0.7143	0.4615	0.5000
maternal	0.4554	0.3630	0.4554	0.1796	0.6726
messidor	0.5913	0.4087	0.5913	0.1704	0.9362
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.7222	0.1389	0.7222	0.6170	0.2682
meter-D	0.7778	0.1111	0.7778	0.6949	0.2245
mfeat-fac	0.8000	0.0400	0.8000	0.7778	0.2033
mfeat-fou	0.4850	0.1030	0.4850	0.4278	0.4119
mfeat-kar	0.6400	0.0720	0.6400	0.6000	0.3599
mfeat-mor	0.5300	0.0940	0.5300	0.4778	0.3493
mfeat-pix	0.7800	0.0440	0.7800	0.7556	0.2398
mfeat-zer	0.5850	0.0830	0.5850	0.5389	0.3395
mice-prot	0.9259	0.0185	0.9259	0.9151	0.0790
mines	0.5588	0.1765	0.5588	0.4463	0.4399
mobile	0.3671	0.0226	0.3671	0.3557	0.2983
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.5515	0.4485	0.5515	0.1425	0.5803
mutagen_class_1	0.5735	0.4265	0.5735	0.1471	0.9488
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9962
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.2794	0.7206	0.2794	-0.4412	1.0000
MUT_ci034254q_MACCS	0.6721	0.3279	0.6721	0.3326	0.8516
MUT_ci300400a	0.7707	0.2293	0.7707	0.5284	0.7209
MUT_ci300400a_cdk_ECFP2	0.4472	0.5528	0.4472	-0.0481	0.9608
myocardial	0.7118	0.0721	0.7118	0.2504	0.5364
naticusdroid	0.9659	0.0341	0.9659	0.9318	0.2001
nci9	0.1667	0.1852	0.1667	0.0909	0.0625
ncRNA10%	0.8882	0.0118	0.8882	0.7159	0.9712
newspop	0.5759	0.4241	0.5759	0.1533	0.9449
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.8293	0.4011
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.3749	0.6251	0.3749	-0.1439	0.8778
NPHA-doctor-visits	0.3611	0.4259	0.3611	0.0152	0.7973
nursery	0.4915	0.2034	0.4915	0.2559	0.2396
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9912	0.0088	0.9912	0.9753	0.0844
Occupancy_Estimation	0.1866	0.4067	0.1866	0.1378	0.0802
oh0-wc	0.7228	0.0554	0.7228	0.6855	0.2164
oh10-wc	0.6000	0.0800	0.6000	0.5551	0.3565
oh15-wc	0.5217	0.0957	0.5217	0.4541	0.4373
oh5-wc	0.6044	0.0791	0.6044	0.5614	0.2747
opn310k	0.8441	0.1559	0.8441	0.1457	0.6999
opnat310k-hg16-17	0.8599	0.1401	0.8599	0.1721	0.7071
optdigits	0.2313	0.1537	0.2313	0.1364	0.4320
optdigitsZ	0.9875	0.0125	0.9875	0.9252	0.2295
orl	0.4250	0.0288	0.4250	0.4103	0.1315
orlraws10P	0.5000	0.1000	0.5000	0.4444	0.1478
ovarian-cancer	0.9200	0.0800	0.9200	0.8264	0.3879
ozone1hr	0.9170	0.0830	0.9170	-0.0424	0.5681
ozone8hr	0.8893	0.1107	0.8893	0.1180	0.6958
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8496	0.2062

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9750	0.0250	0.9750	0.9484	0.1644
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
particle	0.8618	0.1382	0.8618	0.6639	0.5829
pasture	0.2500	0.5000	0.2500	0.0000	0.5000
pc1	0.2703	0.7297	0.2703	-0.0961	0.3570
pcmac	0.5258	0.4742	0.5258	-0.0808	0.9409
pd	0.8026	0.1974	0.8026	0.4643	0.7220
pediatric-leukemia	0.6471	0.1008	0.6471	0.5701	0.2709
pendigits	0.8217	0.0357	0.8217	0.8016	0.1428
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.4444	0.5556	0.4444	-0.1538	0.9711
P-Glycoprotein_b_Inhibitor	0.7938	0.2062	0.7938	0.5441	0.6988
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9099
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8016	0.1984	0.8016	0.6028	0.6601
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.4500	0.5500	0.4500	-0.1224	1.0000
phishing	0.2816	0.7184	0.2816	-0.3702	1.0000
phoneme	0.8778	0.1222	0.8778	0.6942	0.5354
phy	0.5984	0.4016	0.5984	0.1968	0.9302
pima	0.4342	0.5658	0.4342	-0.0778	0.9681
plrx	0.7778	0.2222	0.7778	0.2653	0.3876
poker	0.4800	0.1040	0.4800	0.2406	0.8478
polish-1st	0.2560	0.7440	0.2560	-0.0022	0.1727
polish-2nd	0.9410	0.0590	0.9410	0.0045	0.6410
polish-3rd	0.3219	0.6781	0.3219	-0.0099	0.2306
polish-4th	0.9306	0.0694	0.9306	0.2406	0.6401
polish-5th	0.9154	0.0846	0.9154	0.2972	0.6520
polya	0.6638	0.3362	0.6638	0.2660	0.8759
popularity	0.4055	0.3963	0.4055	0.0310	0.7377
post-operative	0.6667	0.2222	0.6667	0.3077	0.4154
postures	0.6181	0.1528	0.6181	0.5224	0.2072
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.1818	0.0744	0.1818	0.0767	0.3660
profb	0.6119	0.3881	0.6119	0.2118	0.8605
promoters	0.7000	0.3000	0.7000	0.4444	0.5112
prostate	0.6429	0.3571	0.6429	0.2222	0.8255
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.9725	0.0110	0.9725	0.9631	0.0722
pufs-6410%	0.5042	0.4958	0.5042	0.0084	0.9890
raisin	0.8543	0.1335	0.8744	0.7333	0.5030
re0-wc	0.5733	0.0656	0.5733	0.4771	0.4481
re1-wc	0.0181	0.0786	0.0181	-0.0077	0.4181
rejafada	0.9648	0.0352	0.9648	0.0000	0.1039
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9750	0.0100	0.9750	0.9670	0.0498
rocket	0.5704	0.4296	0.5704	0.1465	0.9272
RT_IOT2022	0.2278	0.1287	0.2278	0.2069	0.0746
satimage	0.7792	0.0736	0.7792	0.7304	0.3072
satimageF	0.2613	0.7387	0.2613	0.0400	0.3008
satimageT	0.8802	0.1198	0.8802	0.4167	0.6615
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.8782	0.1218	0.8782	0.1094	0.6522
secondary_mushroom	0.9993	0.0007	0.9993	0.9987	0.0072
segment	0.6840	0.0903	0.6840	0.6284	0.1857
segmentO	0.9913	0.0087	0.9913	0.9663	0.1466

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.3992	0.6008	0.3992	-0.0405	0.3371
semeion	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram	0.7605	0.2395	0.7605	0.0704	0.7557
sens-2-gram	0.7553	0.2447	0.7553	0.1406	0.7291
sens-3-gram	0.7816	0.2184	0.7816	0.0831	0.7682
sens-4-gram	0.7553	0.2447	0.7553	0.1165	0.7374
sensorless	0.9651	0.0063	0.9651	0.9616	0.0526
sepsis	0.9095	0.0905	0.9095	0.0031	0.2085
shoppers	0.8751	0.1249	0.8751	0.4758	0.6352
shuttle	0.9976	0.0007	0.9976	0.9932	0.0595
sick	0.9708	0.0292	0.9708	0.7505	0.3684
sirtuin6	1.0000	0.0000	0.9971	0.9915	0.0000
skin	0.9996	0.0004	0.9996	0.9986	0.0080
smk_can_187	0.6316	0.3684	0.6316	0.2570	0.8973
solar-flare	0.3165	0.2278	0.3165	0.2216	0.4449
sonar	0.7500	0.2500	0.7500	0.5000	0.7429
soybean	0.8971	0.0108	0.8971	0.8873	0.0573
spambase	0.9152	0.0848	0.9152	0.8229	0.3962
spect	0.7778	0.2222	0.7778	0.1562	0.7230
spectf	0.8000	0.2000	0.8000	0.5243	0.7024
spectrometer	0.2642	0.0307	0.2642	0.2135	0.2727
splice-EI	0.4953	0.5047	0.4953	0.0541	0.7920
splice-IE	0.8833	0.1167	0.8833	0.6754	0.5515
sport-articles	0.7500	0.2500	0.7500	0.4667	0.7628
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7897	0.2103	0.7897	0.4042	0.7440
steel-d	0.9641	0.0359	0.9641	0.4431	0.5787
steel_industry	0.8930	0.0713	0.8930	0.8254	0.2402
steel-k	0.9641	0.0359	0.9641	0.8889	0.2600
steel-o	0.7026	0.2974	0.7026	0.3583	0.8256
steel-p	0.3436	0.6564	0.3436	-0.0407	0.3799
steel-s	0.1282	0.8718	0.1282	-0.0136	0.1710
steel-z	0.9692	0.0308	0.9692	0.8401	0.3898
studentap	0.6154	0.2564	0.6154	0.4196	0.4693
student-weekend	0.3077	0.2769	0.3077	0.0694	0.7502
student-workday	0.3906	0.2437	0.3906	-0.0175	0.6726
susy10%	0.4710	0.5290	0.4710	-0.0504	1.0000
swarm_aligned	0.4569	0.5431	0.4569	0.1425	0.5137
swarm_flocking	0.9983	0.0017	0.9983	0.9967	0.0153
swarm_grouped	0.9996	0.0004	0.9996	0.9991	0.0060
tae	0.4667	0.3556	0.4667	0.2000	0.6589
Tdp_desc	0.7778	0.2222	0.7778	0.3571	0.7720
texture	0.8473	0.0278	0.8473	0.8317	0.1262
theorem	0.0000	1.0000	0.0000	-0.9468	0.9802
thoracic	0.6809	0.3191	0.6809	-0.0698	0.7727
Thyroid_Diff	0.2105	0.7895	0.2105	-0.5789	0.9109
tic-tac-toe	0.9263	0.0737	0.9263	0.8388	0.3760
tis	0.7435	0.2565	0.7435	0.2979	0.8119
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.2097
tox_171	0.4706	0.2647	0.4706	0.2949	0.4854
toxicity	0.4706	0.5294	0.4706	-0.1168	0.9859
toxicity-13f	0.8235	0.1765	0.8235	0.6277	0.6246
trains	0.5084	0.4952	0.5057	0.0000	0.5185
transfusion	0.4133	0.5867	0.4133	-0.1340	0.8293
trec11-wc	0.5366	0.1030	0.5366	0.4475	0.2811
trec12-wc	0.2903	0.1774	0.2903	0.2051	0.3618

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.8182	0.0606	0.8182	0.6426	0.1595
trec23-wc	0.7143	0.0952	0.7143	0.6099	0.1697
trec31-wc	0.8172	0.0522	0.8172	0.7652	0.2847
trec41-wc	0.8409	0.0318	0.8409	0.8108	0.1695
trec45-wc	0.7826	0.0435	0.7826	0.7501	0.2104
tuandromd	0.9910	0.0090	0.9910	0.9722	0.0959
turkish	0.6000	0.2000	0.6000	0.4667	0.5179
tvnews	0.6692	0.3308	0.6692	0.3603	0.7648
urban	0.5970	0.0896	0.5970	0.5284	0.3443
vehicle	0.7262	0.1369	0.7262	0.6329	0.3162
vehicleVAN	0.9524	0.0476	0.9524	0.8769	0.3203
voice	0.6667	0.3333	0.6667	0.2500	0.8750
vote	0.7907	0.2093	0.7907	0.5834	0.6289
vowel	0.4848	0.0937	0.4848	0.4333	0.3128
vowelZ	0.9596	0.0404	0.9596	0.7284	0.3476
vrnormat310k-hg16-17	0.8792	0.1208	0.8792	0.2721	0.6907
wap-wc	0.6410	0.0359	0.6410	0.6054	0.2444
warpar10p	0.5385	0.0923	0.5385	0.4765	0.1722
warppiel0p	0.8571	0.0286	0.8571	0.8413	0.0733
watch-acc10%	0.2164	0.2239	0.2164	0.0927	0.5022
watch-gyr10%	0.9699	0.0086	0.9699	0.9648	0.0599
waveform	0.6940	0.2040	0.6940	0.5415	0.5431
web-phishing	0.8222	0.1185	0.8222	0.6945	0.4657
weight-lift	0.8698	0.0521	0.8698	0.8358	0.1749
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9650	0.0175	0.9650	0.9533	0.0764
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	0.1765	0.5490	0.1765	-0.1498	0.5818
winequality-red	0.5409	0.1530	0.5409	0.3426	0.7389
winequality-white	0.5174	0.1379	0.5174	0.3501	0.6533
winnipeg	0.7450	0.0729	0.7450	0.6736	0.3155
yale	0.3125	0.0917	0.3125	0.2667	0.2215
yeast	0.3311	0.1338	0.3311	0.2013	0.5574
yeastCYT-POX	0.1224	0.8776	0.1224	-0.0364	0.2010
yeastEXC	0.9189	0.0811	0.9189	0.2183	0.4747
yeastME1	0.1284	0.8716	0.1284	-0.0236	0.1415
yeastME2	0.6824	0.3176	0.6824	0.1008	0.3270
zip	0.6935	0.0613	0.6935	0.6586	0.2972
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 203: Detailed results for GraphSepBoost(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1656	0.0588	0.1644	0.0764	0.5118
abalone19	0.9761	0.0239	0.9761	-0.0101	0.3896
abalone9-18	0.9041	0.0959	0.9041	0.1718	0.6407
accelerometer	0.9725	0.0275	0.9725	0.2527	0.5771
ads	0.8552	0.1384	0.8580	0.0000	0.2868
adult	0.7750	0.2376	0.7521	0.0000	0.3965
AID1284Morered	0.8611	0.1389	0.8611	0.3662	0.6914
AID1284red	0.8056	0.1944	0.8056	0.2500	0.7444
AID_1431	0.8413	0.1587	0.8413	0.0040	0.7137
AID1608Morered	0.9280	0.0685	0.9381	0.0000	0.1716
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.6952	0.3048	0.6952	0.1167	0.7985
AID362red	0.9836	0.0164	0.9836	0.2149	0.5259
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9980	0.0020	0.9980	0.1419	0.5047
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9920	0.0080	0.9920	-0.0038	0.4379
AID600_MACCS	0.6757	0.3243	0.6757	0.3547	0.8234
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9816	0.0035	1.0000	0.0000	0.0160
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8654	0.0804	0.8750	0.0000	0.1483
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9943	0.0057	0.9943	0.0924	0.5227
AID688red	0.9890	0.0094	1.0000	0.0000	0.0355
AID721morered	0.7778	0.2222	0.7778	0.3571	0.7720
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9977	0.0023	0.9977	0.1239	0.4716
AID746red	0.9754	0.0060	1.0000	0.0000	0.0253
AID_773	0.6296	0.3704	0.6296	-0.1842	0.6244
AID852_MACCS	0.8154	0.1846	0.8154	0.5032	0.6987
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9496	0.0891
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9527	0.0118	0.9527	0.9214	0.1038
anuran-species	0.9681	0.0064	0.9681	0.9556	0.0611
aps-failure	0.9852	0.0181	0.9945	0.0000	0.0608
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.5778	0.0650	0.5778	0.3171	0.3292
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.4201	0.0974	0.4327	0.0304	0.2786
balance	0.8065	0.1290	0.8065	0.6562	0.4454
bank	0.8858	0.1106	0.8772	0.0000	0.2424
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8085	0.1927	0.8167	0.5201	0.3776
basehock	0.9045	0.0955	0.9045	0.8091	0.4080
bio	0.9952	0.0048	0.9952	0.7324	0.4085
biodeg	0.7905	0.2095	0.7905	0.5426	0.6846
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	1.0000	0.0008	0.9577	0.4042	0.1812
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7181	0.2821	0.7093	0.0000	0.4272
breast-cancer-co	0.5455	0.4545	0.5455	0.0351	0.9096
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1559
bridges	0.6000	0.1143	0.6000	0.4286	0.2185
bub10at310k-hg16-17	0.9246	0.0908	0.9115	0.0000	0.2129
bze_3d_rdkit_descriptors	0.7785	0.2175	0.7770	0.0000	0.3707
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6243	0.3746	0.6229	0.0000	0.4820
cancer	0.9710	0.0290	0.9710	0.9373	0.1858
car	0.6882	0.1501	0.6981	0.0000	0.2334
card	0.8406	0.1594	0.8406	0.6649	0.5554
cardiotocography	0.6805	0.0627	0.6728	0.6128	0.2203
cardiotocography-nsp	0.7897	0.1448	0.7915	0.0000	0.2334
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6675	0.3441
cas_N6512_cdk_ECFP2	0.7065	0.2885	0.7236	0.4261	0.7981
cdc_diabetes	0.8373	0.1038	0.8509	0.0000	0.1734
census10%	0.9248	0.0752	0.9248	0.3502	0.6349
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9501	0.0578	0.9285	0.0000	0.1486
cervical-H	0.9535	0.0465	0.9535	0.4756	0.5775
cervical-S	0.8960	0.0940	0.9008	0.0000	0.2143
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.7624	0.2540	0.7360	0.0000	0.3932
chrom19	1.0000	0.0009	1.0000	0.0000	0.0052
ci100410h_MACCS	0.7964	0.2201	0.7937	0.0000	0.3790
ci200186.atompair_fp	0.7649	0.2347	0.7495	0.4038	0.4202
ci200186m_DESC_PADEL	0.7676	0.2385	0.7536	0.4232	0.5704
ci200186m_ExtendedFingerprinter	0.7822	0.2225	0.7722	0.4836	0.6234
ci900367j_MACCS	0.6330	0.3727	0.6202	0.0340	0.4853
cirrhosis	0.6667	0.2222	0.6667	0.3510	0.6122
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.6955	0.1466	0.7119	0.5140	0.3267
climate	0.8704	0.1296	0.8704	0.2974	0.6325
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8935	0.1009	0.9106	0.0000	0.2257
cmc	0.4786	0.3410	0.4853	0.1279	0.5798
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0615
codon_usage	0.8381	0.0294	0.8381	0.8020	0.2280
coil20	0.9861	0.0014	0.9861	0.9854	0.0101
collins	0.9800	0.0027	0.9800	0.9780	0.0058
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.5862	0.4138	0.5862	0.0387	0.9049

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.0333	0.8275
colposcopies-6	0.6552	0.3448	0.6552	0.3095	0.8747
colposcopies-c	0.7586	0.2414	0.7586	0.4249	0.7318
column-2c	0.8387	0.1613	0.8387	0.6210	0.6099
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9917	0.0055	0.9917	0.8057	0.2494
cottonmeloidogyne	0.6667	0.3185	0.6767	0.3606	0.8487
coupon	0.6567	0.3453	0.6512	0.2367	0.7268
covtype	0.6366	0.1000	0.6605	0.3494	0.2699
covtypeCD	0.9831	0.0169	0.9831	0.9293	0.2083
covtypeT	0.9818	0.0182	0.9818	0.8606	0.2971
cox2_cdk_ECFP2	0.8087	0.1927	0.8158	0.0000	0.3426
crowdsourced	0.9309	0.0230	0.9309	0.8558	0.2020
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3438	0.0328	0.3438	0.3253	0.1004
cyclopentane	0.7110	0.2988	0.7037	0.3640	0.6809
cylinder-bands	0.8333	0.1667	0.8333	0.6573	0.6005
darwin	0.7778	0.2222	0.7778	0.5556	0.7044
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.9839	0.0000	0.9864	1.0000	0.0000
default	0.7659	0.2191	0.7771	0.0000	0.3794
deposit	0.8976	0.1173	0.8747	0.0000	0.2525
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.7886	0.2280	0.7900	0.4891	0.4147
diabetes	0.9231	0.0769	0.9231	0.8434	0.3145
diabetic10%	0.5069	0.3287	0.5069	0.0885	0.7574
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0959	0.9453
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5141	0.4859	0.5141	0.0325	0.9857
dropout	0.6998	0.2001	0.6998	0.5143	0.5778
drug-01	0.3404	0.1885	0.3404	0.0218	0.6629
drug-02	0.4149	0.1672	0.4149	0.0907	0.7869
drug-03	0.6064	0.1125	0.6064	0.0635	0.6041
drug-04	0.4309	0.1626	0.4309	0.1233	0.7075
drug-05	0.6649	0.0957	0.6649	0.0215	0.6223
drug-06	0.3298	0.1915	0.3298	0.1788	0.6833
drug-07	0.4415	0.1596	0.4415	0.1154	0.4490
drug-08	0.4894	0.1459	0.4894	0.1297	0.5572
drug-09	0.8085	0.0547	0.8085	-0.0331	0.5176
drug-10	0.4681	0.1520	0.4681	0.0752	0.6826
drug-11	0.8085	0.0547	0.8085	0.0866	0.5901
drug-12	0.7128	0.0821	0.7128	0.0430	0.5261
drug-13	0.5479	0.1292	0.5479	0.1631	0.5963
drug-14	0.5106	0.1398	0.5106	0.1581	0.5600
drug-15	0.7234	0.0790	0.7234	0.1090	0.6038
drug-16	0.5160	0.1383	0.5160	0.2012	0.6010
drug-17	0.3032	0.1991	0.3032	0.1083	0.8100
drug-18	0.9894	0.0043	0.9894	-0.0053	0.1743
drug-19	0.6809	0.0912	0.6809	0.0986	0.6291
drybean	0.8964	0.0296	0.8964	0.8749	0.1630
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.4662	0.0667	0.4662	0.4085	0.6110
eeg-eye	0.7418	0.2619	0.7434	0.4438	0.6565
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6904	0.3100	0.6944	0.2385	0.4603
er_tox_cdk_ECFP2	0.6462	0.3446	0.6566	0.0283	0.6741
er_tox_rdkit_ATOMPAIR	0.9641	0.0496	0.9366	0.0000	0.1317
er_tox_rdkit_AVALON	0.8674	0.1318	0.8852	0.0000	0.2732
er_tox_rdkit_descriptors	0.6664	0.3414	0.6622	0.0000	0.4647
er_tox_rdkit_FEATMORGAN	0.9248	0.0632	0.9417	0.8632	0.3056
er_tox_rdkit_LAYERED	0.8491	0.1602	0.8533	0.0000	0.3113
er_tox_rdkit_MACCS	0.9347	0.0484	0.9455	0.0000	0.1330
er_tox_rdkit_MORGAN	0.9689	0.0490	0.9503	0.0000	0.1302
er_tox_rdkit_PATTERN	0.6906	0.3057	0.6940	0.0000	0.4461
er_tox_rdkit_RDKITFP	0.7014	0.2921	0.7150	0.0000	0.4347
er_tox_rdkit_TORSION	0.9441	0.0484	0.9618	0.0000	0.1315
eucalyptus	0.6027	0.1589	0.6027	0.4820	0.3986
euthyroid	0.9652	0.0348	0.9652	0.8061	0.3831
exon.vs.intron-freq	0.9385	0.0721	0.9420	0.8436	0.3263
fbis-wc	0.7398	0.0306	0.7398	0.7062	0.2436
fda.atompair_fp	0.7289	0.2704	0.7229	0.0000	0.4144
fertility	0.9175	0.0989	0.8861	0.0000	0.2244
flags	0.5500	0.1125	0.5500	0.4462	0.2112
fontaine_MACCS	0.7407	0.2468	0.7607	0.4453	0.7672
fonts10%	0.4140	0.0077	0.4115	0.3487	0.2761
forest	0.8269	0.0865	0.8269	0.7624	0.2499
gas	0.9820	0.0060	0.9820	0.9782	0.0385
gastrointestinal	0.7500	0.1667	0.7500	0.5616	0.2839
gender	0.5814	0.2774	0.5900	0.0000	0.3194
gene	0.9274	0.0484	0.9274	0.8836	0.2149
german	0.6500	0.3500	0.6500	0.2257	0.8914
gina	0.8847	0.1153	0.8847	0.7693	0.4735
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	0.8571	0.1429	0.8571	0.7042	0.5490
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.6250	0.3750	0.6250	0.1429	0.8433
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.8608	0.1523	0.8369	0.6677	0.5561
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.4978	0.5056	0.5030	0.0000	0.5311
grub-damage	0.3990	0.3030	0.3939	0.1602	0.5610
haberman	0.7290	0.2625	0.7242	0.0000	0.4074
hapt	0.9305	0.0116	0.9305	0.9178	0.0839
har70	0.6933	0.0899	0.6867	0.4695	0.1660
harth10%	0.4874	0.0832	0.4923	0.1046	0.2610
hayes-roth	0.3787	0.4228	0.3721	-0.0654	0.6395
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6000	0.4000	0.6000	0.1667	0.7161

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8376	0.1576	0.8417	0.6764	0.5654
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6716	0.3350	0.6795	0.3174	0.8175
higher	0.2143	0.1964	0.2143	0.0494	0.3464
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8338	0.1693	0.8457	0.0000	0.3187
hiva	0.9753	0.0359	0.9767	0.0000	0.1036
horse	0.5203	0.3123	0.5370	0.0000	0.3595
htru2	0.9693	0.0307	0.9693	0.8149	0.3562
ht-sensor	0.8643	0.0807	0.8919	0.8277	0.2708
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9920	0.0080	0.9920	0.9448	0.1791
ilpd	0.6610	0.3390	0.6610	0.1437	0.8942
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8395	0.0123	0.8395	0.8331	0.1307
jm1	0.8209	0.1914	0.8118	0.0000	0.3436
fvowels	0.9287	0.0158	0.9287	0.9192	0.1129
kc1	0.8580	0.1591	0.8384	0.0000	0.2967
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1833	0.1847
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7733	0.2147	0.7840	0.0000	0.3627
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.4088	0.0667	0.4143	0.3090	0.3888
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7746	0.0751	0.7746	0.7156	0.3422
la2s-wc	0.7616	0.0795	0.7616	0.7018	0.3628
labor	0.8333	0.1667	0.8333	0.5714	0.3522
leaf	0.4706	0.0265	0.4706	0.4521	0.0903
led24	0.5000	0.1000	0.5000	0.4366	0.2059
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9245	0.0058	0.9245	0.9214	0.0859
leukemia	0.7143	0.1905	0.7143	0.5882	0.2985
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7500	0.0333	0.7500	0.7318	0.1022
linkage10%	0.9999	0.0001	0.9999	0.9904	0.0370
liver	0.6471	0.3529	0.6471	0.1937	0.8945
localization	0.4612	0.0973	0.4682	0.2234	0.2980
lrs	0.8302	0.0340	0.8302	0.7669	0.1371
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.8500	0.0600	0.8500	0.7073	0.1864
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.5714	0.5283
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.5575	0.4502	0.5664	0.0000	0.5062
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.7778	0.0494	0.7778	0.7000	0.0694
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8143	0.1857	0.8143	0.5936	0.6580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8134	0.1772	0.8228	0.6458	0.6235
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7216	0.1786	0.7371	0.5760	0.4496
messidor	0.6174	0.3826	0.6174	0.2179	0.9155
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8462	0.1492
meter-D	1.0000	0.0000	1.0000	1.0000	0.0000
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.1017
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1915
mfeat-kar	0.9050	0.0190	0.9050	0.8944	0.1154
mfeat-mor	0.6669	0.0650	0.6732	0.6453	0.2136
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0748
mfeat-zer	0.6937	0.0619	0.7082	0.6636	0.2367
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4964	0.2013	0.4936	0.3801	0.4924
mobile	0.8392	0.0057	0.8392	0.8362	0.0685
monks-1	0.7675	0.2365	0.7614	0.5214	0.5623
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9346	0.0712	0.9204	0.8496	0.2593
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9652	0.0348	0.9652	0.8628	0.2709
mutagen_class_1	0.5501	0.4549	0.5468	0.0878	0.9831
mutagen_class_2	0.4228	0.5791	0.4244	-0.1468	0.9924
mutagen_class_3	0.4370	0.5696	0.4303	-0.1325	1.0000
mutagens_ExtendedFingerprinter	0.6620	0.3384	0.6615	0.3198	0.8627
MUT_ci034254q_MACCS	0.6349	0.3697	0.6285	0.2235	0.8760
MUT_ci300400a	0.7535	0.2442	0.7534	0.4713	0.6825
MUT_ci300400a_cdk_ECFP2	0.6750	0.3187	0.6868	0.2766	0.6285
myocardial	0.8588	0.0353	0.8588	0.2823	0.2975
naticusdroid	0.9445	0.0406	0.9423	0.9115	0.2223
nci9	0.1667	0.1852	0.1667	0.0323	0.2003
ncRNA10%	0.7788	0.0235	0.7904	0.0000	0.1359
newspop	0.5780	0.4220	0.5780	0.1507	0.9479
new-thyroid	0.9048	0.0635	0.9048	0.7879	0.2547
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7263	0.2848	0.7240	0.0000	0.4303
NPHA-doctor-visits	0.5368	0.3119	0.5298	0.0000	0.3588
nursery	0.9985	0.0006	0.9985	0.9977	0.0044
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.7568	0.2281	0.7638	0.0000	0.3766
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.8119	0.0376	0.8119	0.7837	0.1823
oh10-wc	0.6952	0.0610	0.6952	0.6517	0.2776
oh15-wc	0.6848	0.0630	0.6848	0.6405	0.2960
oh5-wc	0.6154	0.0769	0.6154	0.5667	0.3511
opn310k	0.9148	0.0894	0.9027	0.0000	0.2124
opnat310k-hg16-17	0.9139	0.0911	0.9086	0.0000	0.2075
optdigits	0.9466	0.0107	0.9466	0.9406	0.0772
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.8250	0.0088	0.8250	0.8205	0.0308
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.0969	0.6276
ozone8hr	0.9012	0.0988	0.9012	0.0908	0.6840
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9101	0.0391	0.8998	0.0000	0.0984

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.5910	0.4028	0.5891	0.0000	0.4944
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.7130	0.2813	0.7166	0.0000	0.4279
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.9423	0.0731	0.9119	0.0000	0.1798
pcmac	0.4742	0.5258	0.4742	-0.1002	1.0000
pd	0.8289	0.1711	0.8289	0.5357	0.6714
pediatric-leukemia	0.6765	0.0924	0.6765	0.6038	0.2707
pendigits	0.9691	0.0062	0.9691	0.9656	0.0523
period	0.5556	0.4444	0.5556	0.0000	0.9591
period-10f	0.8889	0.1111	0.8889	0.7273	0.2846
P-Glycoprotein_b_Inhibitor	0.6669	0.3383	0.6532	0.0000	0.4608
P-Glycoprotein_b_Substrate	0.7516	0.2605	0.7311	0.4848	0.7217
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.7000	0.3000	0.7000	0.3478	0.8165
phishing	0.9551	0.0581	0.9331	0.8871	0.2848
phoneme	0.8981	0.1019	0.8981	0.7467	0.4791
phy	0.6826	0.3050	0.7003	0.3920	0.8042
pima	0.7237	0.2763	0.7237	0.4115	0.7975
plx	0.5000	0.5000	0.5000	-0.1739	0.9401
poker	0.5164	0.0983	0.5077	0.0321	0.1845
polish-1st	0.9623	0.0377	0.9723	0.0000	0.1100
polish-2nd	0.9637	0.0394	0.9534	0.0000	0.1133
polish-3rd	0.9683	0.0472	0.9566	0.0000	0.1331
polish-4th	0.9603	0.0524	0.9357	0.0000	0.1398
polish-5th	0.9252	0.0705	0.9293	0.0000	0.1709
polya	0.6336	0.3551	0.6501	0.0000	0.4859
popularity	0.6346	0.2501	0.6278	0.0000	0.2867
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9404	0.0297	0.9351	0.9034	0.1434
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.1818	0.0737	0.1787	0.0000	0.3172
profb	0.6715	0.3252	0.6828	0.0000	0.4677
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7765	0.2114	0.7778	0.5388	0.4265
prostate_GE	1.0000	0.0000	1.0000	0.9925	0.0000
puc-rio	0.9012	0.0460	0.8779	0.8551	0.1299
pufs-6410%	0.5021	0.5011	0.5108	0.0020	0.9799
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.5600	0.0657	0.5702	0.3236	0.2385
re1-wc	0.5620	0.0352	0.5665	0.4571	0.2308
rejafada	0.9785	0.0345	0.9709	0.0000	0.1029
relathe	1.0000	0.0000	0.9805	1.0000	0.0000
rnaseq	0.9236	0.0247	0.9333	0.9055	0.0563
rocket	0.6014	0.3902	0.6180	0.0499	0.5620
RT_IOT2022	0.7828	0.0378	0.7751	0.0000	0.1503
satimage	0.8580	0.0516	0.8319	0.8023	0.1731
satimageF	0.8801	0.1082	0.8832	0.0000	0.2393
satimageT	0.9103	0.1004	0.9163	0.0000	0.2262
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9345	0.0652	0.9418	0.0000	0.1607
secondary_mushroom	0.8757	0.1243	0.8717	0.7416	0.3902
segment	0.9323	0.0149	0.9318	0.9308	0.0582
segmentO	0.8561	0.1464	0.8615	0.0000	0.2910

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9393	0.0654	0.9378	0.0000	0.1662
semeion	0.9032	0.1003	0.9074	0.0000	0.2213
sens-1-gram	0.8513	0.1325	0.8735	0.0000	0.2719
sens-2-gram	0.8714	0.1318	0.8757	0.0000	0.2745
sens-3-gram	0.8582	0.1293	0.8626	0.0000	0.2730
sens-4-gram	0.8571	0.1300	0.8556	0.0000	0.2664
sensorless	0.9854	0.0039	0.9895	0.9813	0.0362
sepsis	0.8915	0.0894	0.9067	0.0000	0.2117
shoppers	0.8537	0.1548	0.8574	0.0000	0.2981
shuttle	0.7824	0.0600	0.7831	0.0000	0.1288
sick	0.9180	0.0672	0.9465	0.0000	0.1700
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.7970	0.2118	0.7952	0.0000	0.3570
smk_can_187	0.6357	0.3737	0.6392	0.2775	0.7675
solar-flare	0.7510	0.0868	0.7432	0.6575	0.1992
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.6962	0.0322	0.6797	0.6576	0.1393
spambase	0.8883	0.1101	0.8768	0.7670	0.3714
spect	0.7776	0.2226	0.7830	0.0000	0.3792
spectf	0.8286	0.1714	0.8286	0.5800	0.6541
spectrometer	0.6024	0.0170	0.6142	0.5640	0.0907
splice-EI	0.7357	0.2503	0.7452	0.0000	0.3967
splice-IE	0.7748	0.2378	0.7567	0.0000	0.3959
sport-articles	0.7305	0.2742	0.7322	0.3195	0.4361
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7841	0.2125	0.7748	0.0000	0.3641
steel-d	0.9576	0.0302	0.9553	0.0000	0.0935
steel_industry	0.7873	0.1506	0.7836	0.5940	0.3053
steel-k	0.7967	0.2055	0.7953	0.0000	0.3594
steel-o	0.6895	0.2981	0.6920	0.1721	0.5353
steel-p	0.9017	0.0818	0.9151	0.0000	0.1925
steel-s	0.9711	0.0414	0.9623	0.0000	0.1173
steel-z	0.9092	0.0973	0.9020	0.0000	0.2185
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.3921	0.2480	0.3811	0.0000	0.3449
student-workday	0.6981	0.1210	0.6993	0.0000	0.2066
susy10%	0.7749	0.2230	0.7891	0.5395	0.6259
swarm_aligned	0.7284	0.2754	0.7122	0.1468	0.4297
swarm_flocking	0.9833	0.0004	0.9814	1.0000	0.0046
swarm_grouped	0.9788	0.0029	0.9802	0.9757	0.0207
tae	0.4708	0.3589	0.4603	0.1997	0.6789
Tdp_desc	0.7801	0.2238	0.7881	0.0000	0.3735
texture	0.9430	0.0086	0.9664	0.9473	0.0667
theorem	0.9977	0.0000	1.0000	1.0000	0.0000
thoracic	0.8540	0.1481	0.8582	0.0000	0.2937
Thyroid_Diff	0.7233	0.2910	0.7158	0.0000	0.4355
tic-tac-toe	0.9368	0.0632	0.9368	0.8608	0.3412
tis	0.7495	0.2475	0.7518	0.0000	0.3956
titanic	0.6669	0.3257	0.6719	0.0000	0.4621
tourist	0.6250	0.1250	0.6250	0.3684	0.1720
tox_171	0.7199	0.1458	0.7165	0.6128	0.2515
toxicity	0.6404	0.3540	0.6592	0.0000	0.4777
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7651	0.2354	0.7721	0.0000	0.3960
trec11-wc	0.6814	0.0705	0.6926	0.5699	0.2075
trec12-wc	0.7394	0.0647	0.7293	0.6603	0.1425

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.7055	0.1020	0.6842	0.0000	0.2014
trec23-wc	0.6733	0.1124	0.6572	0.4767	0.2251
trec31-wc	0.8124	0.0552	0.8071	0.7189	0.1470
trec41-wc	0.8040	0.0359	0.8025	0.7653	0.1195
trec45-wc	0.6921	0.0620	0.6883	0.6253	0.1754
tuandromd	0.8044	0.2004	0.8125	0.0000	0.3472
turkish	0.7210	0.1356	0.7382	0.6231	0.3333
tvnews	0.7290	0.2622	0.7482	0.3455	0.5208
urban	0.7687	0.0498	0.7915	0.7279	0.1715
vehicle	0.7500	0.1250	0.7500	0.6647	0.3135
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.6749	0.3271	0.6660	0.0000	0.4614
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4545	0.0992	0.4545	0.4000	0.2674
vowelZ	1.0000	0.0000	1.0000	1.0000	0.0000
vrnormat310k-hg16-17	0.9127	0.0906	0.9086	0.0000	0.2079
wap-wc	0.4768	0.0511	0.4813	0.3714	0.2588
warpar10p	0.6224	0.0775	0.6085	0.5831	0.0862
warppie10p	0.9040	0.0190	0.8906	0.8912	0.0422
watch-acc10%	0.8688	0.0381	0.8545	0.8378	0.1743
watch-gyr10%	0.8806	0.0345	0.8921	0.8529	0.1614
waveform	0.8027	0.1225	0.8063	0.7315	0.4014
web-phishing	0.8302	0.1166	0.8194	0.6567	0.3074
weight-lift	0.8937	0.0365	0.8964	0.8813	0.1333
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0346
wilt	0.9834	0.0166	0.9834	0.8246	0.3329
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.6352	0.1216	0.6352	0.4106	0.4947
winequality-white	0.4891	0.1443	0.4865	0.1055	0.3070
winnipeg	0.9790	0.0112	0.9616	0.9504	0.0546
yale	0.5635	0.0578	0.5641	0.5305	0.0923
yeast	0.5473	0.0905	0.5473	0.4141	0.3894
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8567	0.0289	0.8442	0.8206	0.1474
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 204: Detailed results for GraphSepBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1666	0.0574	0.1628	0.0773	0.5115
abalone19	0.9761	0.0239	0.9761	-0.0101	0.3896
abalone9-18	0.9041	0.0959	0.9041	0.1718	0.6407
accelerometer	0.9725	0.0275	0.9725	0.2527	0.5771
ads	0.8622	0.1428	0.8589	0.0000	0.2805
adult	0.7571	0.2355	0.7603	0.0000	0.3951
AID1284Morered	0.8611	0.1389	0.8611	0.3662	0.6914
AID1284red	0.8056	0.1944	0.8056	0.2500	0.7444
AID_1431	0.8413	0.1587	0.8413	0.0040	0.7137
AID1608Morered	0.9208	0.0679	0.9431	0.0000	0.1679
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7048	0.2952	0.7048	0.1290	0.8002
AID362red	0.9836	0.0164	0.9836	0.2149	0.5259
AID373AID439red	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red	0.9980	0.0020	0.9980	0.1419	0.5047
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9920	0.0080	0.9920	-0.0038	0.4379
AID600_MACCS	0.6757	0.3243	0.6757	0.3547	0.8234
AID_602330	0.9115	0.0885	0.9115	0.0599	0.5968
AID604	0.9892	0.0035	0.9878	0.0000	0.0161
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.5500	0.4500	0.5500	-0.0227	0.9383
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8619	0.0819	0.8893	0.0000	0.1522
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9943	0.0057	0.9943	0.0924	0.5227
AID688red	0.9933	0.0093	0.9999	0.0000	0.0357
AID721morered	0.7778	0.2222	0.7778	0.3571	0.7720
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9977	0.0023	0.9977	0.1239	0.4716
AID746red	0.9817	0.0061	0.9782	0.0000	0.0248
AID_773	0.6296	0.3704	0.6296	-0.1842	0.6244
AID852_MACCS	0.8154	0.1846	0.8154	0.5032	0.6987
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9680	0.0160	0.9680	0.9385	0.0763
anuran-f-b	0.9972	0.0028	0.9972	0.8558	0.4011
anuran-genus	0.9346	0.0163	0.9346	0.8883	0.1285
anuran-species	0.9389	0.0122	0.9389	0.9150	0.0839
aps-failure	0.9897	0.0180	1.0000	0.0000	0.0608
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.6444	0.0547	0.6444	0.4562	0.2767
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7500	0.0387
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.4195	0.0966	0.4221	0.0300	0.2804
balance	0.8387	0.1075	0.8387	0.6946	0.2308
bank	0.8842	0.1137	0.8810	0.0000	0.2402
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8157	0.1948	0.8046	0.5288	0.3845
basehock	0.9045	0.0955	0.9045	0.8091	0.4080
bio	0.9952	0.0048	0.9952	0.7324	0.4085
biodeg	0.7905	0.2095	0.7905	0.5426	0.6846
biomed	0.9524	0.0476	0.9524	0.8966	0.1761
bitcoin10%	1.0000	0.0008	0.9620	0.4168	0.1852
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
block10%	1.0000	0.0000	1.0000	0.9952	0.0003
breast-cancer	0.7181	0.2908	0.7050	0.0000	0.4294
breast-cancer-co	0.5455	0.4545	0.5455	0.0351	0.9096
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0434
bridges	0.3000	0.2000	0.3000	0.2222	0.2388
bub10at310k-hg16-17	0.9000	0.0897	0.9136	0.0000	0.2096
bze_3d_rdkit_descriptors	0.7866	0.2157	0.7894	0.0000	0.3651
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6337	0.3721	0.6358	0.0000	0.4859
cancer	0.9710	0.0290	0.9710	0.9373	0.1858
car	0.6888	0.1493	0.6914	0.0000	0.2314
card	0.8406	0.1594	0.8406	0.6649	0.5554
cardiotocography	0.6898	0.0640	0.6989	0.5960	0.2211
cardiotocography-nsp	0.7661	0.1446	0.7643	0.0000	0.2338
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7750	0.1500	0.7750	0.5724	0.4091
cas_N6512_cdk_ECFP2	0.7174	0.2885	0.7184	0.4237	0.7947
cdc_diabetes	0.8311	0.1071	0.8467	0.0000	0.1736
census10%	0.9248	0.0752	0.9248	0.3502	0.6349
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9423	0.0582	0.9538	0.0000	0.1488
cervical-H	0.9535	0.0465	0.9535	0.4756	0.5775
cervical-S	0.9109	0.0943	0.9005	0.0000	0.2143
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.7392	0.2534	0.7556	0.0000	0.3998
chrom19	1.0000	0.0009	1.0000	0.0000	0.0052
ci100410h_MACCS	0.7716	0.2230	0.7704	0.0000	0.3644
ci200186.atompair_fp	0.7512	0.2348	0.7600	0.4016	0.4240
ci200186m_DESC_PADEL	0.7585	0.2445	0.7584	0.4129	0.5766
ci200186m_ExtendedFingerprinter	0.7689	0.2144	0.7794	0.4883	0.6226
ci900367j_MACCS	0.6402	0.3701	0.6269	0.0341	0.4934
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7038	0.1452	0.7077	0.5029	0.3227
climate	0.8704	0.1296	0.8704	0.2974	0.6325
cil_sub_111	0.5833	0.2778	0.5833	0.3750	0.5813
cm1	0.8931	0.0997	0.8914	0.0000	0.2235
cmc	0.4770	0.3403	0.4882	0.1307	0.5700
cnae-9	0.8796	0.0267	0.8796	0.8646	0.1093
codon_usage	0.7989	0.0366	0.7989	0.7530	0.2202
coil20	0.9097	0.0090	0.9097	0.9050	0.0580
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.6207	0.3793	0.6207	0.1799	0.9185
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.5862	0.4138	0.5862	0.0387	0.9049

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.7241	0.2759	0.7241	0.0333	0.8275
colposcopies-6	0.6552	0.3448	0.6552	0.3095	0.8747
colposcopies-c	0.7586	0.2414	0.7586	0.4249	0.7318
column-2c	0.8387	0.1613	0.8387	0.6210	0.6099
column-3c	0.7097	0.1935	0.7097	0.5426	0.2879
connect-4	0.9954	0.0031	0.9954	0.8995	0.1800
cottonmeloidogyne	0.6802	0.3179	0.6882	0.3653	0.8413
coupon	0.6463	0.3462	0.6533	0.2356	0.7350
covtype	0.6358	0.1023	0.6611	0.3540	0.2747
covtypeCD	0.9831	0.0169	0.9831	0.9293	0.2083
covtypeT	0.9818	0.0182	0.9818	0.8606	0.2971
cox2_cdk_ECFP2	0.7948	0.1949	0.8106	0.0000	0.3519
crowdsourced	0.8802	0.0399	0.8802	0.7575	0.2625
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2588	0.1638
cyclopentane	0.6981	0.2992	0.7047	0.3645	0.7010
cylinder-bands	0.8333	0.1667	0.8333	0.6573	0.6005
darwin	0.7778	0.2222	0.7778	0.5556	0.7044
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	0.9960	0.0000	0.9965	0.9847	0.0000
default	0.7761	0.2232	0.7669	0.0000	0.3690
deposit	0.8866	0.1157	0.8705	0.0000	0.2518
dermatology	0.9459	0.0180	0.9459	0.9322	0.0575
desharnais	0.7500	0.1667	0.7500	0.4667	0.2255
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.7865	0.2194	0.7715	0.4878	0.4150
diabetes	0.9231	0.0769	0.9231	0.8434	0.3145
diabetic10%	0.5088	0.3274	0.5088	0.0200	0.7220
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.1538	0.9932
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0959	0.9453
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5155	0.4845	0.5155	0.0357	0.9844
dropout	0.6795	0.2137	0.6795	0.4787	0.5621
drug-01	0.4096	0.1687	0.4096	0.1012	0.6055
drug-02	0.4043	0.1702	0.4043	0.1462	0.7745
drug-03	0.6649	0.0957	0.6649	0.0820	0.4549
drug-04	0.3457	0.1869	0.3457	0.1016	0.7521
drug-05	0.6862	0.0897	0.6862	-0.0101	0.5047
drug-06	0.3511	0.1854	0.3511	0.2007	0.6397
drug-07	0.4202	0.1657	0.4202	0.0859	0.4851
drug-08	0.5213	0.1368	0.5213	0.1228	0.6726
drug-09	0.8457	0.0441	0.8457	0.0812	0.4406
drug-10	0.5000	0.1429	0.5000	0.0497	0.7056
drug-11	0.7926	0.0593	0.7926	0.0298	0.7704
drug-12	0.7606	0.0684	0.7606	0.0283	0.5927
drug-13	0.5638	0.1246	0.5638	0.1416	0.5699
drug-14	0.5160	0.1383	0.5160	0.0916	0.6769
drug-15	0.7234	0.0790	0.7234	0.0637	0.4980
drug-16	0.5319	0.1337	0.5319	0.2017	0.6531
drug-17	0.2766	0.2067	0.2766	0.1206	0.7295
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7234	0.0790	0.7234	0.0239	0.4479
drybean	0.8744	0.0359	0.8744	0.8487	0.1817
ecoli	0.8529	0.0368	0.8529	0.7875	0.1113
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.0000	0.1562
eeg	0.3159	0.0855	0.3159	0.2627	0.6452
eeg-eye	0.7467	0.2689	0.7484	0.4408	0.6608
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6919	0.3018	0.7043	0.2360	0.4699
er_tox_cdk_ECFP2	0.6489	0.3447	0.6617	0.0275	0.6546
er_tox_rdkit_ATOMPAIR	0.9662	0.0492	0.9489	0.0000	0.1355
er_tox_rdkit_AVALON	0.8798	0.1298	0.8731	0.0000	0.2736
er_tox_rdkit_descriptors	0.6561	0.3487	0.6439	0.0000	0.4686
er_tox_rdkit_FEATMORGAN	0.9411	0.0643	0.9381	0.8569	0.3020
er_tox_rdkit_LAYERED	0.8238	0.1599	0.8320	0.0000	0.3087
er_tox_rdkit_MACCS	0.9662	0.0492	0.9384	0.0000	0.1338
er_tox_rdkit_MORGAN	0.9392	0.0477	0.9513	0.0000	0.1296
er_tox_rdkit_PATTERN	0.6823	0.3013	0.7056	0.0000	0.4425
er_tox_rdkit_RDKITFP	0.7007	0.2983	0.7005	0.0000	0.4366
er_tox_rdkit_TORSION	0.9334	0.0478	0.9670	0.0000	0.1331
eucalyptus	0.5616	0.1753	0.5616	0.4251	0.4312
euthyroid	0.9652	0.0348	0.9652	0.8061	0.3831
exon.vs.intron-freq	0.9392	0.0719	0.9169	0.8732	0.3228
fbis-wc	0.6545	0.0406	0.6545	0.6131	0.2825
fda.atompair_fp	0.7191	0.2681	0.7383	0.0000	0.4201
fertility	0.9062	0.1017	0.8973	0.0000	0.2266
flags	0.6000	0.1000	0.6000	0.5122	0.2249
fontaine_MACCS	0.7472	0.2533	0.7466	0.4313	0.7653
fonts10%	0.4169	0.0077	0.4110	0.3421	0.2774
forest	0.8077	0.0962	0.8077	0.7342	0.2538
gas	0.9835	0.0055	0.9835	0.9799	0.0370
gastrointestinal	0.7500	0.1667	0.7500	0.5493	0.2699
gender	0.5826	0.2773	0.5912	0.0000	0.3088
gene	0.8580	0.0946	0.8580	0.7768	0.3271
german	0.6500	0.3500	0.6500	0.2257	0.8914
gina	0.8847	0.1153	0.8847	0.7693	0.4735
glass	0.7619	0.0794	0.7619	0.6613	0.1919
glassBWFP	0.8571	0.1429	0.8571	0.7042	0.5490
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.6250	0.3750	0.6250	0.1429	0.8433
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8446	0.1527	0.8465	0.6879	0.5622
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.5040	0.5019	0.5025	0.0000	0.5252
grub-damage	0.3934	0.3060	0.3990	0.1625	0.5563
haberman	0.7338	0.2681	0.7431	0.0000	0.4110
hapt	0.8975	0.0171	0.8975	0.8796	0.1398
har70	0.6749	0.0906	0.6867	0.4595	0.1672
harth10%	0.4841	0.0858	0.4893	0.1043	0.2668
hayes-roth	0.3823	0.4219	0.3693	-0.0680	0.6223
hcc-survival	0.7059	0.2941	0.7059	0.4516	0.5068
heart	0.8148	0.1852	0.8148	0.6218	0.6384
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6000	0.4000	0.6000	0.1667	0.7161

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.8599	0.1571	0.8416	0.6852	0.5592
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4792	0.6943
higgs10%	0.6561	0.3248	0.6814	0.3299	0.8097
higher	0.2857	0.1786	0.2857	0.1463	0.3940
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.8161	0.1678	0.8395	0.0000	0.3245
hiva	0.9598	0.0360	0.9734	0.0000	0.1031
horse	0.5194	0.3157	0.5314	0.0000	0.3541
htru2	0.9693	0.0307	0.9693	0.8149	0.3562
ht-sensor	0.8818	0.0824	0.8756	0.8083	0.2672
hypothyroid	0.9920	0.0040	0.9920	0.9505	0.0137
hypothyroidT	0.9920	0.0080	0.9920	0.9448	0.1791
ilpd	0.6610	0.3390	0.6610	0.1437	0.8942
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.8857	0.1143	0.8857	0.7348	0.5055
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.7330	0.0205	0.7330	0.7223	0.1767
jm1	0.8195	0.1934	0.8050	0.0000	0.3472
fvowels	0.8815	0.0263	0.8815	0.8658	0.1450
kc1	0.8495	0.1564	0.8576	0.0000	0.3028
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.1429	0.0952
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7751	0.2138	0.7733	0.0000	0.3571
kidney-disease	0.9750	0.0250	0.9750	0.9474	0.1598
krkopt	0.4133	0.0646	0.4159	0.3185	0.3912
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.7302	0.0899	0.7302	0.6662	0.3788
la2s-wc	0.7318	0.0894	0.7318	0.6680	0.3599
labor	0.8333	0.1667	0.8333	0.5714	0.3522
leaf	0.5000	0.0250	0.5000	0.4788	0.1031
led24	0.4500	0.1100	0.4500	0.3889	0.2552
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.8610	0.0107	0.8610	0.8554	0.1305
leukemia	0.7143	0.1905	0.7143	0.5758	0.3077
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6944	0.0407	0.6944	0.6714	0.1450
linkage10%	0.9999	0.0001	0.9999	0.9904	0.0370
liver	0.6471	0.3529	0.6471	0.1937	0.8945
localization	0.4577	0.0973	0.4560	0.2264	0.3004
lrs	0.8113	0.0377	0.8113	0.7443	0.1432
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.7619	0.0952	0.7619	0.5227	0.2730
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.8333	0.1667	0.8333	0.5714	0.5283
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1808
lupus	0.5453	0.4398	0.5446	0.0000	0.5227
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.5556	0.0988	0.5556	0.3793	0.0975
madelon	0.7577	0.2423	0.7577	0.5154	0.7368
magic04	0.8127	0.1873	0.8127	0.5900	0.6611

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.8363	0.1772	0.8137	0.6531	0.6187
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7221	0.1786	0.7465	0.5884	0.4553
messidor	0.6261	0.3739	0.6261	0.2339	0.9075
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.7778	0.1111	0.7778	0.7000	0.1853
mfeat-fac	0.8650	0.0270	0.8650	0.8500	0.1293
mfeat-fou	0.6350	0.0730	0.6350	0.5944	0.2723
mfeat-kar	0.8400	0.0320	0.8400	0.8222	0.1641
mfeat-mor	0.6677	0.0636	0.6717	0.6481	0.2135
mfeat-pix	0.8350	0.0330	0.8350	0.8167	0.1544
mfeat-zer	0.6967	0.0611	0.6813	0.6654	0.2301
mice-prot	0.9815	0.0046	0.9815	0.9788	0.0228
mines	0.4992	0.1993	0.5066	0.3764	0.4909
mobile	0.6329	0.0131	0.6329	0.6259	0.1626
monks-1	0.7639	0.2319	0.7514	0.5227	0.5741
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9178	0.0722	0.9410	0.8666	0.2596
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9652	0.0348	0.9652	0.8628	0.2709
mutagen_class_1	0.5482	0.4540	0.5340	0.0870	0.9835
mutagen_class_2	0.4188	0.5703	0.4274	-0.1471	1.0000
mutagen_class_3	0.4280	0.5612	0.4336	-0.1312	1.0000
mutagens_ExtendedFingerprinter	0.6565	0.3444	0.6533	0.3176	0.8522
MUT_ci034254q_MACCS	0.6156	0.3752	0.6123	0.2206	0.8675
MUT_ci300400a	0.7454	0.2494	0.7425	0.4644	0.6752
MUT_ci300400a_cdk_ECFP2	0.6753	0.3193	0.6709	0.2740	0.6295
myocardial	0.8706	0.0324	0.8706	0.3569	0.2829
naticusdroid	0.9489	0.0410	0.9709	0.9218	0.2215
nci9	0.5000	0.1111	0.5000	0.4000	0.1274
ncRNA10%	0.7781	0.0231	0.7844	0.0000	0.1388
newspop	0.5782	0.4218	0.5782	0.1512	0.9477
new-thyroid	0.9048	0.0635	0.9048	0.7586	0.1376
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.7043	0.2876	0.7182	0.0000	0.4327
NPHA-doctor-visits	0.5382	0.3089	0.5258	0.0000	0.3654
nursery	0.9969	0.0012	0.9969	0.9955	0.0068
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.7662	0.2336	0.7826	0.0000	0.3882
Occupancy_Estimation	0.9921	0.0039	0.9921	0.9760	0.0346
oh0-wc	0.7723	0.0455	0.7723	0.7406	0.1947
oh10-wc	0.6667	0.0667	0.6667	0.6200	0.2677
oh15-wc	0.6087	0.0783	0.6087	0.5592	0.3247
oh5-wc	0.6264	0.0747	0.6264	0.5825	0.2805
opn310k	0.9165	0.0895	0.9241	0.0000	0.2053
opnat310k-hg16-17	0.9165	0.0903	0.9235	0.0000	0.2082
optdigits	0.8826	0.0235	0.8826	0.8696	0.1377
optdigitsZ	0.9947	0.0053	0.9947	0.9668	0.0845
orl	0.5750	0.0213	0.5750	0.5641	0.1022
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9447	0.0553	0.9447	0.0969	0.6276
ozone8hr	0.9012	0.0988	0.9012	0.0908	0.6840
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9126	0.0387	0.8908	0.0000	0.0972

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.5968	0.4014	0.6047	0.0000	0.4993
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
particle	0.7322	0.2839	0.7277	0.0000	0.4272
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.9449	0.0727	0.9349	0.0000	0.1799
pcmac	0.4742	0.5258	0.4742	-0.1002	1.0000
pd	0.8289	0.1711	0.8289	0.5357	0.6714
pediatric-leukemia	0.7941	0.0588	0.7941	0.7521	0.1610
pendigits	0.9563	0.0087	0.9563	0.9514	0.0593
period	0.5556	0.4444	0.5556	0.0000	0.9591
period-10f	0.8889	0.1111	0.8889	0.7273	0.2846
P-Glycoprotein_b_Inhibitor	0.6485	0.3457	0.6498	0.0000	0.4708
P-Glycoprotein_b_Substrate	0.7429	0.2623	0.7501	0.4819	0.7036
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8333	0.1667	0.8333	0.6643	0.5954
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3814	0.8058
Pgp_desc	0.7000	0.3000	0.7000	0.3478	0.8165
phishing	0.9534	0.0576	0.9429	0.8863	0.2916
phoneme	0.8981	0.1019	0.8981	0.7467	0.4791
phy	0.6879	0.3053	0.6917	0.3810	0.8058
pima	0.7237	0.2763	0.7237	0.4115	0.7975
plx	0.5000	0.5000	0.5000	-0.1739	0.9401
poker	0.5193	0.0986	0.5049	0.0330	0.1880
polish-1st	0.9520	0.0381	0.9626	0.0000	0.1123
polish-2nd	0.9467	0.0398	0.9621	0.0000	0.1145
polish-3rd	0.9387	0.0478	0.9575	0.0000	0.1282
polish-4th	0.9383	0.0524	0.9632	0.0000	0.1423
polish-5th	0.9239	0.0687	0.9228	0.0000	0.1703
polya	0.6297	0.3612	0.6359	0.0000	0.4802
popularity	0.6331	0.2411	0.6301	0.0000	0.2945
post-operative	0.0000	0.6667	0.0000	0.0000	0.3386
postures	0.9422	0.0300	0.9152	0.8908	0.1414
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.1833	0.0736	0.1819	0.0000	0.3181
profb	0.6727	0.3258	0.6659	0.0000	0.4648
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7705	0.2181	0.7745	0.5276	0.4282
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
puc-rio	0.8725	0.0448	0.8983	0.8328	0.1316
pufs-6410%	0.4979	0.5000	0.5033	0.0019	1.0000
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.5775	0.0667	0.5625	0.3155	0.2359
re1-wc	0.5571	0.0346	0.5511	0.4632	0.2271
rejafada	0.9747	0.0353	0.9703	0.0000	0.1030
relathe	0.9924	0.0000	0.9840	1.0000	0.0000
rnaseq	0.9283	0.0252	0.9252	0.9128	0.0567
rocket	0.6046	0.3875	0.6053	0.0500	0.5612
RT_IOT2022	0.7758	0.0382	0.7827	0.0000	0.1505
satimage	0.8441	0.0514	0.8489	0.8015	0.1745
satimageF	0.8945	0.1077	0.8971	0.0000	0.2331
satimageT	0.8970	0.1011	0.8832	0.0000	0.2253
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9240	0.0647	0.9312	0.0000	0.1647
secondary_mushroom	0.8775	0.1243	0.8654	0.7358	0.3946
segment	0.9432	0.0147	0.9622	0.9223	0.0581
segmentO	0.8494	0.1464	0.8503	0.0000	0.2875

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.9408	0.0653	0.9484	0.0000	0.1681
semeion	0.9136	0.1009	0.9088	0.0000	0.2287
sens-1-gram	0.8833	0.1297	0.8851	0.0000	0.2664
sens-2-gram	0.8818	0.1310	0.8682	0.0000	0.2682
sens-3-gram	0.8740	0.1299	0.8665	0.0000	0.2698
sens-4-gram	0.8559	0.1326	0.8535	0.0000	0.2713
sensorless	0.9908	0.0040	0.9645	0.9845	0.0365
sepsis	0.9115	0.0894	0.9195	0.0000	0.2087
shoppers	0.8410	0.1562	0.8502	0.0000	0.2981
shuttle	0.7879	0.0613	0.7884	0.0000	0.1303
sick	0.9297	0.0662	0.9317	0.0000	0.1680
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.7844	0.2081	0.7902	0.0000	0.3545
smk_can_187	0.6349	0.3634	0.6319	0.2825	0.7578
solar-flare	0.7418	0.0874	0.7446	0.6650	0.1965
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.6886	0.0320	0.6968	0.6489	0.1349
spambase	0.8838	0.1097	0.8994	0.7565	0.3712
spect	0.7821	0.2254	0.7645	0.0000	0.3768
spectf	0.8286	0.1714	0.8286	0.5800	0.6541
spectrometer	0.5868	0.0169	0.6059	0.5679	0.0937
splice-EI	0.7447	0.2507	0.7548	0.0000	0.4031
splice-IE	0.7713	0.2380	0.7551	0.0000	0.3906
sport-articles	0.7200	0.2715	0.7213	0.3129	0.4360
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7967	0.2134	0.7773	0.0000	0.3666
steel-d	0.9592	0.0312	0.9841	0.0000	0.0938
steel_industry	0.7841	0.1516	0.7813	0.5872	0.2988
steel-k	0.7843	0.2066	0.7932	0.0000	0.3631
steel-o	0.7004	0.3077	0.6999	0.1727	0.5258
steel-p	0.9086	0.0830	0.9235	0.0000	0.1978
steel-s	0.9492	0.0413	0.9633	0.0000	0.1180
steel-z	0.9029	0.0966	0.9197	0.0000	0.2235
studentap	0.3077	0.4615	0.3077	-0.0833	0.7514
student-weekend	0.3787	0.2491	0.3911	0.0000	0.3466
student-workday	0.7007	0.1208	0.7165	0.0000	0.2079
susy10%	0.7704	0.2214	0.7878	0.5386	0.6336
swarm_aligned	0.7248	0.2765	0.7243	0.1430	0.4360
swarm_flocking	0.9986	0.0004	0.9802	0.9946	0.0048
swarm_grouped	1.0000	0.0030	0.9986	0.9837	0.0200
tae	0.4744	0.3603	0.4638	0.1963	0.6693
Tdp_desc	0.7700	0.2239	0.7856	0.0000	0.3788
texture	0.9450	0.0086	0.9692	0.9434	0.0660
theorem	0.9846	0.0000	1.0000	0.9932	0.0000
thoracic	0.8488	0.1501	0.8625	0.0000	0.2898
Thyroid_Diff	0.6981	0.2938	0.7107	0.0000	0.4372
tic-tac-toe	0.9368	0.0632	0.9368	0.8608	0.3412
tis	0.7578	0.2503	0.7607	0.0000	0.3984
titanic	0.6880	0.3221	0.6740	0.0000	0.4589
tourist	0.6250	0.1250	0.6250	0.4894	0.1773
tox_171	0.7055	0.1466	0.7197	0.6055	0.2517
toxicity	0.6597	0.3502	0.6490	0.0000	0.4758
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7558	0.2366	0.7710	0.0000	0.3869
trec11-wc	0.6921	0.0713	0.6911	0.5819	0.2004
trec12-wc	0.7316	0.0632	0.7451	0.6647	0.1440

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.6892	0.1026	0.6969	0.0000	0.1997
trec23-wc	0.6577	0.1102	0.6546	0.4857	0.2223
trec31-wc	0.7953	0.0559	0.7959	0.7379	0.1430
trec41-wc	0.8216	0.0370	0.8297	0.7637	0.1211
trec45-wc	0.6843	0.0605	0.6915	0.6331	0.1786
tuandromd	0.7930	0.2048	0.8103	0.0000	0.3594
turkish	0.7110	0.1360	0.7154	0.6237	0.3367
tvnews	0.7532	0.2597	0.7449	0.3433	0.5242
urban	0.7645	0.0498	0.7785	0.7291	0.1659
vehicle	0.7738	0.1131	0.7738	0.6917	0.2802
vehicleVAN	0.9643	0.0357	0.9643	0.9062	0.2616
voice	0.6779	0.3351	0.6744	0.0000	0.4655
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4141	0.1065	0.4141	0.3556	0.2746
vowelZ	1.0000	0.0000	1.0000	1.0000	0.0000
vrnormat310k-hg16-17	0.8939	0.0922	0.8985	0.0000	0.2133
wap-wc	0.4744	0.0511	0.4833	0.3705	0.2608
warpar10p	0.6146	0.0764	0.6213	0.5790	0.0870
warppie10p	0.8967	0.0190	0.9112	0.8933	0.0430
watch-acc10%	0.8536	0.0386	0.8723	0.8281	0.1764
watch-gyr10%	0.8704	0.0343	0.8831	0.8707	0.1612
waveform	0.8232	0.1199	0.8081	0.7156	0.3982
web-phishing	0.8151	0.1182	0.8097	0.6667	0.3022
weight-lift	0.9078	0.0367	0.8973	0.8967	0.1300
white-clover	0.3333	0.3333	0.3333	-0.0909	0.3403
wifi-loc	0.9800	0.0100	0.9800	0.9733	0.0471
wilt	0.9834	0.0166	0.9834	0.8246	0.3329
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6541	0.1153	0.6541	0.4350	0.4014
winequality-white	0.5012	0.1469	0.4936	0.1048	0.3070
winnipeg	0.9536	0.0111	0.9641	0.9498	0.0550
yale	0.5514	0.0584	0.5585	0.5209	0.0911
yeast	0.4730	0.1054	0.4730	0.3200	0.3760
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.8653	0.0284	0.8604	0.8492	0.1511
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 205: Detailed results for AdaBoostV(ovo)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1172	0.0618	0.1161	0.0433	0.4335
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9283	0.0707	0.9304	0.2308	0.3999
ads	0.9480	0.0459	0.9490	0.8140	0.3886
adult	0.7878	0.2215	0.7911	0.3235	0.7825
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.8908	0.0954	0.9192	-0.0430	0.6906
AID1608red	0.8738	0.1262	0.8738	-0.0669	0.6366
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9695	0.0187	0.9869	-0.0070	0.5466
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	0.9957	0.0010	0.9830	0.2450	0.3777
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.8958	0.1042	0.8958	0.0400	0.5586
AID604	0.9780	0.0232	0.9670	0.1936	0.2848
AID604AID644_AllRed	0.9810	0.0010	0.9919	0.0000	0.0056
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.7500	0.2500	0.7500	0.3750	0.7858
AID_652128	0.8485	0.1010	0.8485	0.0589	0.3978
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9748	0.0070	0.9949	-0.0035	0.4831
AID688red	0.9843	0.0211	0.9853	-0.0105	0.5016
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	0.9908	0.0010	1.0000	0.0000	0.0056
AID746red	0.9354	0.0529	0.9484	0.0147	0.1945
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9736	0.0132	0.9736	0.9492	0.0615
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9732	0.0048	0.9852	0.9825	0.0720
anuran-species	0.9804	0.0038	0.9947	0.9846	0.0567
aps-failure	0.7493	0.2484	0.7669	0.0693	0.1821
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6889	0.0479	0.6889	0.5224	0.2592
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8013	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.7980	0.0946
avila	0.8993	0.0181	0.8926	0.8690	0.2179
balance	0.8226	0.1183	0.8226	0.6848	0.3028
bank	0.7995	0.2162	0.7851	0.2152	0.6824
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.4952	0.4857	0.5085	0.0917	0.8615
basehock	0.9095	0.0905	0.9095	0.8191	0.4003
bio	0.9922	0.0043	1.0000	0.7149	0.2713
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.8464	0.0100	0.8410	0.0797	0.3906
block10%	1.0000	0.0000	0.9921	0.9869	0.0001
block10%	1.0000	0.0000	0.9921	0.9869	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.6000	0.1143	0.6000	0.4286	0.2185
bub10at310k-hg16-17	0.2945	0.6972	0.2876	0.0339	0.3060
bze_3d_rdkit_descriptors	0.7317	0.2683	0.7317	0.3008	0.7861
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.8264	0.0318	0.8336	0.8198	0.1928
cardiotocography-nsp	0.9249	0.0501	0.9249	0.7936	0.2910
cargo2k	0.9829	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6748	0.3482
cas_N6512_cdk_ECFP2	0.5709	0.4188	0.5840	0.1811	0.7848
cdc_diabetes	0.4191	0.3815	0.4210	0.0187	0.5182
census10%	0.8056	0.2088	0.7884	0.1210	0.4901
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8953	0.1047	0.8953	-0.0545	0.6742
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0007	1.0000	0.5798	0.4030
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6502	0.6084
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6029	0.6519
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3069	0.8569
cirrhosis	0.7143	0.1905	0.7143	0.4286	0.5050
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7891	0.1008	0.7899	0.6842	0.3699
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8400	0.1600	0.8400	-0.0811	0.7590
cmc	0.5238	0.3175	0.5238	0.2504	0.7087
cnae-9	0.7043	0.0668	0.7079	0.6728	0.1837
codon_usage	0.6798	0.0597	0.6762	0.6057	0.3561
coil20	0.9861	0.0014	0.9861	0.9854	0.0095
collins	0.9600	0.0053	0.9600	0.9560	0.0124
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.6552	0.3448	0.6552	0.2892	0.8782
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9765	0.0078	0.9965	0.7560	0.3723
cottonmeloidogyne	0.5675	0.4157	0.5699	0.1598	0.7348
coupon	0.5908	0.4110	0.5844	0.1847	0.9143
covtype	0.6177	0.1142	0.6161	0.3974	0.4729
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.2069	0.8108
crowdsourced	0.7842	0.0728	0.7909	0.6134	0.5266
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.4062	0.0297	0.4062	0.3889	0.0904
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8006	0.2002	0.7974	0.3410	0.7455
deposit	0.4958	0.5071	0.4884	0.0993	0.4652
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.6053	0.6314
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.1226	0.5824	0.1199	0.0002	0.4349
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5757	0.4133	0.5949	0.0635	0.8971
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.4936	0.5123	0.4933	0.0006	0.9444
dropout	0.6795	0.2137	0.6795	0.4823	0.5981
drug-01	0.3138	0.1960	0.3138	-0.0127	0.7635
drug-02	0.4149	0.1672	0.4149	0.1000	0.7798
drug-03	0.5266	0.1353	0.5266	0.0074	0.5664
drug-04	0.4202	0.1657	0.4202	0.1236	0.7135
drug-05	0.6383	0.1033	0.6383	0.0273	0.6646
drug-06	0.3191	0.1945	0.3191	0.1743	0.6881
drug-07	0.3830	0.1763	0.3830	0.0323	0.5839
drug-08	0.4362	0.1611	0.4362	0.0605	0.7744
drug-09	0.8085	0.0547	0.8085	0.1300	0.4913
drug-10	0.4309	0.1626	0.4309	0.0963	0.7985
drug-11	0.8032	0.0562	0.8032	0.1936	0.6081
drug-12	0.7181	0.0805	0.7181	0.0595	0.4281
drug-13	0.5532	0.1277	0.5532	0.1851	0.5454
drug-14	0.5372	0.1322	0.5372	0.2040	0.5527
drug-15	0.7500	0.0714	0.7500	0.1426	0.5412
drug-16	0.5213	0.1368	0.5213	0.2246	0.5884
drug-17	0.2553	0.2128	0.2553	0.0572	0.7836
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6755	0.0927	0.6755	0.0395	0.5208
drybean	0.8666	0.0418	0.8433	0.8258	0.1917
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.1442	0.1082	0.1403	0.0534	0.5041
eeg-eye	0.5604	0.4423	0.5669	0.1732	0.6944
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4961	0.6945
er_tox_rdkit_ATOMPAIR	0.9463	0.0489	0.9619	0.0000	0.1357
er_tox_rdkit_AVALON	0.8497	0.1498	0.8607	0.5598	0.5202
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6617	0.5586
er_tox_rdkit_FEATMORGAN	0.9642	0.0322	0.9574	0.9260	0.1708
er_tox_rdkit_LAYERED	0.8699	0.1449	0.8387	0.2545	0.5578
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9829	0.0319	0.9611	0.6419	0.4861
er_tox_rdkit_PATTERN	0.9849	0.0158	1.0000	0.9528	0.0749
er_tox_rdkit_RDKITFP	0.5981	0.4051	0.5927	0.1835	0.8108
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.6438	0.1425	0.6438	0.5398	0.3987
euthyroid	0.9649	0.0376	0.9669	0.7751	0.3784
exon.vs.intron-freq	0.5290	0.4650	0.5408	0.0165	0.6286
fbis-wc	0.5902	0.0484	0.5830	0.5337	0.2484
fda.atompair_fp	0.6818	0.3182	0.6818	0.2376	0.8493
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.6000	0.1000	0.6000	0.5166	0.1846
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.2274	0.0101	0.2289	0.2055	0.3435
forest	0.8654	0.0673	0.8654	0.8152	0.2188
gas	0.9263	0.0255	0.9220	0.8975	0.1206
gastrointestinal	0.6875	0.2083	0.6875	0.4702	0.4200
gender	0.5665	0.2930	0.5609	-0.0395	0.5732
gene	0.9097	0.0569	0.9209	0.8795	0.2220
german	0.6700	0.3300	0.6700	0.2601	0.8739
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7143	0.0952	0.7143	0.6062	0.3155
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.6000	0.2000	0.6000	0.4118	0.2785
glioma-grade	0.8333	0.1667	0.8333	0.6571	0.6041
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.5333	0.2333	0.5333	0.3675	0.4995
haberman	0.5667	0.4333	0.5667	-0.0656	0.9236
hapt	0.7718	0.0381	0.7765	0.7440	0.1335
har70	0.9467	0.0231	0.9278	0.8788	0.1191
harth10%	0.6968	0.0503	0.7126	0.6039	0.2890
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.4096	0.6089	0.4017	-0.1921	1.0000
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.4569	0.5295	0.4696	-0.0222	0.7363
higher	0.2857	0.1786	0.2857	0.1411	0.3516
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8400	0.1532	0.8578	0.4914	0.6848
hiva	0.9611	0.0564	0.9399	0.1158	0.6192
horse	0.5833	0.2778	0.5833	0.2521	0.5941
htru2	0.8760	0.1286	0.8617	0.3718	0.6603
ht-sensor	0.9399	0.0281	0.9492	0.9237	0.1231
hypothyroid	0.9792	0.0052	0.9815	0.9343	0.0904
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5932	0.4068	0.5932	-0.0663	0.9502
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6565	0.0266	0.6548	0.6479	0.2074
jm1	0.8150	0.1941	0.7891	0.1564	0.7057
fvowels	0.8362	0.0353	0.8298	0.8325	0.2051
kc1	0.8626	0.1374	0.8626	0.3796	0.6471
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1901	0.0715
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7642	0.0253	0.7733	0.7498	0.2578
krvskp	0.9823	0.0032	1.0000	0.9831	0.0271
la1s-wc	0.7494	0.0856	0.7319	0.6502	0.3758
la2s-wc	0.7781	0.0740	0.7781	0.7216	0.3314
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.4412	0.0279	0.4412	0.4237	0.0895
led24	0.4500	0.1100	0.4500	0.3803	0.2269
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.5212	0.0364	0.5307	0.5099	0.3397
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7618	0.0890
linkage10%	0.9883	0.0000	1.0000	1.0000	0.0001
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.1521	0.1542	0.1531	0.0880	0.6795
lrs	0.7547	0.0491	0.7547	0.6662	0.2289
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.8571	0.0571	0.8571	0.6786	0.1294
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1200
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7077	0.2923	0.7077	0.4154	0.8105
magic04	0.8133	0.1867	0.8133	0.5902	0.6601

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7736	0.3302
messidor	0.6522	0.3478	0.6522	0.2790	0.8778
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8462	0.1492
meter-D	0.8889	0.0556	0.8889	0.8475	0.1019
mfeat-fac	0.9150	0.0170	0.9150	0.9056	0.1017
mfeat-fou	0.7900	0.0420	0.7900	0.7667	0.1915
mfeat-kar	0.9050	0.0190	0.9050	0.8944	0.1152
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2349
mfeat-pix	0.9400	0.0120	0.9400	0.9333	0.0748
mfeat-zer	0.6272	0.0756	0.6184	0.5790	0.3026
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5580	0.3500
mobile	0.8112	0.0067	0.8112	0.8077	0.0837
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9620
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6833	0.3062	0.6867	0.3778	0.8441
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2387	0.9088
MUT_ci300400a	0.5711	0.4300	0.5665	0.1906	0.8304
MUT_ci300400a_cdk_ECFP2	0.4256	0.5727	0.4339	0.0181	0.6069
myocardial	0.8706	0.0324	0.8706	0.3431	0.2225
naticusdroid	0.8962	0.0936	0.8943	0.8288	0.4073
nci9	0.1667	0.1852	0.1667	0.0625	0.2131
ncRNA10%	0.9124	0.0093	0.9144	0.7321	0.2018
newspop	0.4713	0.5158	0.4858	0.0158	0.5956
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9206	0.0763	0.9090	0.8008	0.3857
NPHA-doctor-visits	0.3889	0.4074	0.3889	-0.0089	0.8197
nursery	1.0000	0.0000	1.0000	0.9973	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9720	0.0178	1.0000	0.9414	0.1721
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0308
oh0-wc	0.5239	0.0935	0.5161	0.4469	0.3042
oh10-wc	0.2488	0.1531	0.2481	0.1948	0.3569
oh15-wc	0.4640	0.1100	0.4637	0.3679	0.3381
oh5-wc	0.4593	0.1078	0.4462	0.3969	0.3161
opn310k	0.9196	0.0914	0.9129	0.0332	0.3132
opnat310k-hg16-17	0.9037	0.0915	0.9164	0.0437	0.3134
optdigits	0.9466	0.0107	0.9466	0.9406	0.0749
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8250	0.0088	0.8250	0.8205	0.0308
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	0.2088	0.6180
ozone8hr	0.8814	0.1186	0.8814	0.0550	0.7030
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9671	0.0104	0.9645	0.8488	0.1709

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.4172	0.5782	0.4269	0.0468	0.7329
pasture	0.7500	0.1667	0.7500	0.6364	0.1981
pc1	0.8739	0.1261	0.8739	0.2994	0.6299
pcmac	0.4755	0.5174	0.4823	-0.0305	0.9966
pd	0.8582	0.1296	0.8681	0.6791	0.5614
pediatric-leukemia	0.7768	0.0677	0.7640	0.6955	0.1802
pendigits	0.9987	0.0018	0.9853	1.0000	0.0167
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.6606	0.3417	0.6698	0.2631	0.8764
P-Glycoprotein_b_Substrate	0.7133	0.2971	0.6947	0.3935	0.8206
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8506	0.1488	0.8430	0.7014	0.5629
P-Glycoprotein_RDkit_AtomPair_FP	0.7119	0.2970	0.7058	0.4101	0.7895
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9339	0.0831	0.9175	0.8314	0.3801
phoneme	0.8907	0.1093	0.8907	0.7336	0.5072
phy	0.3850	0.6167	0.3827	-0.2210	1.0000
pima	0.6711	0.3289	0.6711	0.2825	0.8593
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7775	0.0476	0.7557	0.5709	0.3352
polish-1st	0.9513	0.0653	0.9348	0.2853	0.6027
polish-2nd	0.9360	0.0771	0.9293	0.0716	0.6148
polish-3rd	0.7254	0.2797	0.7366	0.0545	0.3636
polish-4th	0.9422	0.0647	0.9221	0.0620	0.6108
polish-5th	0.9283	0.0597	0.9225	0.4752	0.5521
polya	0.4103	0.5869	0.4041	0.0418	0.6383
popularity	0.0858	0.5993	0.0835	-0.0245	0.5727
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.7954	0.0818	0.7866	0.7402	0.2676
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.3939	0.0551	0.3939	0.3347	0.2287
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8441	0.1439	0.8547	0.7149	0.5505
prostate_GE	0.8268	0.1811	0.8335	0.6377	0.6298
puc-rio	0.9631	0.0157	0.9533	0.9560	0.1073
pufs-6410%	0.5064	0.5060	0.5063	-0.0015	1.0000
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.6080	0.0590	0.6191	0.4874	0.3862
re1-wc	0.4901	0.0415	0.4913	0.4323	0.2955
rejafada	0.9822	0.0000	0.9941	0.9984	0.0000
relathe	1.0000	0.0000	1.0000	0.9954	0.0000
rnaseq	0.9855	0.0000	0.9842	1.0000	0.0000
rocket	0.5618	0.4467	0.5553	0.2039	0.6852
RT_IOT2022	0.9738	0.0018	1.0000	0.9737	0.0318
satimage	0.8602	0.0487	0.8355	0.8114	0.2224
satimageF	1.0000	0.0093	0.9913	0.9469	0.1400
satimageT	0.8929	0.1047	0.9063	0.4626	0.6537
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.8926	0.0972	0.9126	0.0691	0.6786
secondary_mushroom	0.9353	0.0481	0.9633	0.8903	0.2564
segment	0.9654	0.0099	0.9654	0.9595	0.0413
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8837	0.1163	0.8837	0.1044	0.6687
semeion	1.0000	0.0062	0.9813	0.9765	0.0287
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.6305	0.3748	0.6065	0.0768	0.6247
sens-3-gram	0.8016	0.2052	0.7940	-0.0192	0.8037
sens-4-gram	0.8598	0.1430	0.8435	0.1310	0.6291
sensorless	0.9558	0.0048	0.9920	0.9869	0.0349
sepsis	0.5416	0.4547	0.5466	0.0278	0.4536
shoppers	0.8465	0.1508	0.8381	0.3317	0.7013
shuttle	0.9895	0.0000	0.9856	1.0000	0.0135
sick	0.9646	0.0188	0.9741	0.8235	0.1824
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	1.0000	0.0019	0.9873	0.9863	0.0189
smk_can_187	0.6340	0.3699	0.6281	0.2669	0.8895
solar-flare	0.7842	0.0719	0.7842	0.7246	0.2004
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9412	0.0062	0.9412	0.9354	0.0296
spambase	0.9009	0.1142	0.8896	0.7663	0.4786
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.3962	0.0252	0.3962	0.3702	0.1867
splice-EI	0.9424	0.0507	0.9618	0.8602	0.3294
splice-IE	0.9332	0.0620	0.9383	0.8299	0.3838
sport-articles	0.6900	0.3100	0.6900	0.3668	0.8154
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.7744	0.2256	0.7744	0.3440	0.7721
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8118	0.1222	0.8239	0.7083	0.2728
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.2462	0.3015	0.2462	-0.0368	0.7379
student-workday	0.6250	0.1500	0.6250	0.0577	0.5940
susy10%	0.6670	0.3243	0.6644	0.3113	0.5766
swarm_aligned	0.9690	0.0000	0.9930	0.9830	0.0000
swarm_flocking	0.9834	0.0004	0.9853	0.9786	0.0048
swarm_grouped	1.0000	0.0000	0.9813	0.9913	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5332
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9363	0.0114	0.9185	0.9227	0.0727
theorem	1.0000	0.0000	0.9895	1.0000	0.0000
thoracic	0.7021	0.2979	0.7021	-0.0511	0.7846
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.5943	0.3962	0.6023	0.2672	0.6453
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7563	0.1159	0.7520	0.6841	0.1841
toxicity	0.5925	0.4131	0.5887	0.0629	0.9562
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0465	0.9106
trec11-wc	0.9477	0.0108	0.9347	0.9459	0.0274
trec12-wc	0.9693	0.0081	0.9743	0.9547	0.0215

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9217	0.0203	0.9235	0.8628	0.1185
trec23-wc	0.9615	0.0156	0.9401	0.9301	0.0452
trec31-wc	0.9875	0.0031	0.9725	0.9674	0.0000
trec41-wc	0.8971	0.0208	0.8834	0.8860	0.0887
trec45-wc	0.9093	0.0147	0.9409	0.9152	0.0542
tuandromd	0.9630	0.0490	0.9454	0.8339	0.2629
turkish	0.6250	0.1875	0.6250	0.5000	0.5044
tvnews	0.4184	0.6009	0.4091	0.0284	0.7157
urban	0.8060	0.0431	0.8060	0.7716	0.1505
vehicle	0.7738	0.1131	0.7738	0.6961	0.2664
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.4545	0.0992	0.4545	0.4000	0.2674
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8636	0.1229	0.8781	0.1616	0.7047
wap-wc	0.2804	0.0730	0.2796	0.2207	0.3832
warpar10p	0.7712	0.0454	0.7646	0.7447	0.0723
warppiel0p	1.0000	0.0000	1.0000	0.9812	0.0000
watch-acc10%	0.7907	0.0560	0.8050	0.7729	0.2092
watch-gyr10%	0.9253	0.0207	0.9124	0.9185	0.0959
waveform	0.7269	0.1848	0.7200	0.6016	0.4879
web-phishing	0.8815	0.0790	0.8815	0.7919	0.3657
weight-lift	0.9685	0.0095	0.9659	0.9563	0.0533
white-clover	0.3333	0.3333	0.3333	-0.2000	0.3601
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0384
wilt	1.0000	0.0123	0.9949	0.8588	0.2810
wine	0.8824	0.0784	0.8824	0.7914	0.2297
winequality-red	0.5835	0.1386	0.5848	0.3422	0.5384
winequality-white	0.6299	0.1058	0.6299	0.4331	0.4823
winnipeg	0.9646	0.0064	0.9852	0.9773	0.0500
yale	0.6851	0.0420	0.6964	0.6656	0.0606
yeast	0.5608	0.0878	0.5608	0.4330	0.3684
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.6714	0.0641	0.6746	0.6366	0.2798
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 206: Detailed results for AdaBoostV(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1150	0.0609	0.1143	0.0436	0.4498
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.8904	0.1096	0.8904	0.1437	0.6214
accelerometer	0.9249	0.0728	0.9303	0.2305	0.4012
ads	0.9717	0.0465	0.9665	0.8138	0.3907
adult	0.7949	0.2195	0.7925	0.3264	0.7753
AID1284Morered	0.7222	0.2778	0.7222	0.0055	0.7605
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8254	0.1746	0.8254	-0.0957	0.7098
AID1608Morered	0.9145	0.0967	0.9157	-0.0432	0.7038
AID1608red	0.8738	0.1262	0.8738	-0.0669	0.6366
AID_1878	0.6952	0.3048	0.6952	0.1468	0.7853
AID362red	0.9687	0.0189	0.9705	-0.0071	0.5550
AID373AID439red	0.9990	0.0010	0.9990	-0.0003	0.2203
AID373red	1.0000	0.0010	0.9897	0.2446	0.3769
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.8958	0.1042	0.8958	0.0400	0.5586
AID604	0.9747	0.0232	0.9593	0.1895	0.2826
AID604AID644_AllRed	0.9941	0.0010	1.0000	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3750	0.7858
AID644red	0.7500	0.2500	0.7500	0.3750	0.7858
AID_652128	0.8081	0.1279	0.8081	0.0500	0.6088
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	1.0000	0.0069	0.9908	-0.0034	0.4801
AID688red	0.9665	0.0214	0.9884	-0.0105	0.4970
AID721morered	0.6667	0.3333	0.6667	0.1818	0.8134
AID721red	0.6667	0.3333	0.6667	0.1818	0.8134
AID746AID1284red	1.0000	0.0010	0.9940	0.0000	0.0056
AID746red	0.9662	0.0512	0.9342	0.0148	0.1950
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8000	0.2000	0.8000	0.4232	0.7372
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9888	0.0045	0.9888	0.9759	0.0146
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9638	0.0181	0.9638	0.9302	0.0814
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9374	0.0156	0.9374	0.8934	0.0936
anuran-species	0.9361	0.0128	0.9361	0.9112	0.0840
aps-failure	0.7691	0.2450	0.7523	0.0683	0.1773
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6000	0.0615	0.6000	0.4113	0.3235
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8261	0.0145	0.8261	0.8022	0.0365
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8942	0.0176	0.9087	0.8770	0.2126
balance	0.7903	0.1398	0.7903	0.6169	0.4696
bank	0.7831	0.2165	0.7795	0.2115	0.6930
banknote	0.9708	0.0292	0.9708	0.9413	0.1580

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.5049	0.4933	0.5050	0.0900	0.8460
basehock	0.9095	0.0905	0.9095	0.8191	0.4003
bio	0.9999	0.0043	0.9820	0.7292	0.2693
biodeg	0.8286	0.1714	0.8286	0.6365	0.6213
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
bitcoin10%	0.8415	0.0102	0.8539	0.0815	0.3988
block10%	0.9837	0.0000	1.0000	0.9956	0.0001
block10%	0.9837	0.0000	1.0000	0.9956	0.0001
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.8182	0.0606	0.8182	0.7708	0.0946
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bub10at310k-hg16-17	0.2863	0.7007	0.2944	0.0331	0.3078
bze_3d_rdkit_descriptors	0.7317	0.2683	0.7317	0.3008	0.7861
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9565	0.0435	0.9565	0.9051	0.2611
car	0.9540	0.0230	0.9540	0.9035	0.1799
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.8475	0.0322	0.8497	0.7966	0.1920
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8297	0.1966
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7000	0.2000	0.7000	0.4059	0.4861
cas_N6512_cdk_ECFP2	0.5835	0.4299	0.5666	0.1849	0.7863
cdc_diabetes	0.4229	0.3854	0.4265	0.0188	0.5207
census10%	0.7994	0.2045	0.7783	0.1204	0.5074
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.8953	0.1047	0.8953	-0.0545	0.6742
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.8837	0.1163	0.8837	0.7543	0.4929
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
chrom19	1.0000	0.0007	0.9970	0.5625	0.4002
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3913	0.7552
ci200186.atompair_fp	0.8364	0.1636	0.8364	0.6502	0.6084
ci200186m_DESC_PADEL	0.8148	0.1852	0.8148	0.6029	0.6519
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7537	0.4063
ci900367j_MACCS	0.6632	0.3368	0.6632	0.3069	0.8569
cirrhosis	0.7619	0.1587	0.7619	0.5374	0.3862
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8135	0.0990	0.8027	0.6852	0.3673
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cil_sub_111	0.5833	0.2778	0.5833	0.3878	0.5596
cm1	0.8400	0.1600	0.8400	-0.0811	0.7590
cmc	0.5034	0.3311	0.5034	0.2214	0.7352
cnae-9	0.8889	0.0247	0.8889	0.8750	0.1108
codon_usage	0.6793	0.0610	0.6656	0.5952	0.3570
coil20	0.9167	0.0083	0.9167	0.9123	0.0495
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.2368	0.8850
colposcopies-2	0.7241	0.2759	0.7241	0.3927	0.7955
colposcopies-3	0.7241	0.2759	0.7241	0.4314	0.7941
colposcopies-4	0.6207	0.3793	0.6207	0.0860	0.9005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.5862	0.4138	0.5862	0.1675	0.9370
colposcopies-c	0.6207	0.3793	0.6207	0.0963	0.8547
column-2c	0.8387	0.1613	0.8387	0.6404	0.6136
column-3c	0.7097	0.1935	0.7097	0.5365	0.3163
connect-4	0.9737	0.0076	0.9840	0.7477	0.3735
cottonmeloidogyne	0.5785	0.4219	0.5788	0.1572	0.7404
coupon	0.5901	0.4044	0.5950	0.1870	0.9084
covtype	0.5948	0.1140	0.6175	0.3960	0.4651
covtypeCD	0.9831	0.0169	0.9831	0.9282	0.1882
covtypeT	0.9792	0.0208	0.9792	0.8423	0.3312
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.2069	0.8108
crowdsourced	0.7897	0.0721	0.7836	0.5982	0.5413
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.2812	0.0359	0.2812	0.2603	0.1589
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.7931	0.2034	0.7920	0.3368	0.7568
deposit	0.4852	0.4957	0.4973	0.0967	0.4662
dermatology	0.9189	0.0270	0.9189	0.8984	0.0887
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9000	0.1000	0.9000	0.8000	0.4226
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.6053	0.6314
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.1219	0.5940	0.1198	0.0002	0.4370
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5766	0.4246	0.5945	0.0629	0.9096
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dota2	0.5171	0.4829	0.5171	0.0486	0.9622
dropout	0.6772	0.2152	0.6772	0.4774	0.5460
drug-01	0.3777	0.1778	0.3777	0.0763	0.7393
drug-02	0.3723	0.1793	0.3723	0.1297	0.7004
drug-03	0.6330	0.1049	0.6330	0.0336	0.6310
drug-04	0.3457	0.1869	0.3457	0.1017	0.7434
drug-05	0.6862	0.0897	0.6862	0.0001	0.7053
drug-06	0.2979	0.2006	0.2979	0.1340	0.6819
drug-07	0.3511	0.1854	0.3511	-0.0249	0.5501
drug-08	0.5213	0.1368	0.5213	0.1542	0.5758
drug-09	0.8298	0.0486	0.8298	0.0342	0.4815
drug-10	0.4947	0.1444	0.4947	0.0775	0.6569
drug-11	0.8032	0.0562	0.8032	0.1143	0.5119
drug-12	0.7074	0.0836	0.7074	-0.0382	0.6746
drug-13	0.5319	0.1337	0.5319	0.1250	0.7475
drug-14	0.5372	0.1322	0.5372	0.1561	0.6279
drug-15	0.6809	0.0912	0.6809	0.0105	0.6754
drug-16	0.4840	0.1474	0.4840	0.1145	0.6100
drug-17	0.2394	0.2173	0.2394	0.0948	0.7166
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7234	0.0790	0.7234	0.0997	0.7333
drybean	0.8663	0.0382	0.8663	0.8389	0.1955
ecoli	0.8235	0.0441	0.8235	0.7469	0.1276
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8182	0.1818	0.8182	0.3125	0.6037
ecoliOM	0.8788	0.1212	0.8788	0.2747	0.5984
eeg	0.3174	0.0853	0.3174	0.2625	0.6536
eeg-eye	0.5505	0.4436	0.5606	0.1716	0.6895
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.7833	0.2167	0.7833	0.4961	0.6945
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255
er_tox_rdkit_AVALON	0.8663	0.1475	0.8593	0.5640	0.5209
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6617	0.5586
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.8670	0.1467	0.8640	0.2552	0.5577
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9241	0.2128
er_tox_rdkit_RDKITFP	0.5892	0.4032	0.5987	0.1823	0.8227
er_tox_rdkit_TORSION	0.9355	0.0645	0.9355	-0.0248	0.6330
eucalyptus	0.5890	0.1644	0.5890	0.4627	0.4123
euthyroid	0.9499	0.0383	0.9625	0.7727	0.3745
exon.vs.intron-freq	0.5367	0.4662	0.5410	0.0165	0.6249
fbis-wc	0.6626	0.0397	0.6626	0.6247	0.2810
fda.atompair_fp	0.6818	0.3182	0.6818	0.2376	0.8493
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.8000	0.0500	0.8000	0.7436	0.1112
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.2323	0.0099	0.2295	0.2032	0.3489
forest	0.7885	0.1058	0.7885	0.7079	0.2970
gas	0.9770	0.0077	0.9770	0.9721	0.0504
gastrointestinal	0.7500	0.1667	0.7500	0.5556	0.2576
gender	0.5661	0.2968	0.5658	-0.0392	0.5754
gene	0.9331	0.0565	0.9155	0.8652	0.2272
german	0.6700	0.3300	0.6700	0.2601	0.8739
gina	0.8876	0.1124	0.8876	0.7751	0.4668
glass	0.7143	0.0952	0.7143	0.5935	0.2614
glassBWFP	0.8095	0.1905	0.8095	0.5758	0.6172
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.8750	0.1250	0.8750	0.7333	0.5148
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6829	0.5779
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	0.8333	0.1667	0.8333	0.6667	0.4011
grub-damage	0.3333	0.3333	0.3333	0.1176	0.6414
haberman	0.5667	0.4333	0.5667	-0.0656	0.9236
hapt	0.8920	0.0180	0.8920	0.8732	0.1522
har70	0.9277	0.0235	0.9270	0.8588	0.1226
harth10%	0.7008	0.0500	0.6940	0.5962	0.2825
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.2013	0.8825
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5946	0.6479
hepatitis	0.6667	0.3333	0.6667	0.0741	0.8303

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
hepmass10%	0.4026	0.6100	0.4075	-0.1956	1.0000
hERG-121inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2045	0.8754
higgs10%	0.4574	0.5323	0.4649	-0.0221	0.7144
higher	0.1429	0.2143	0.1429	-0.0307	0.4642
hinselmann	0.9000	0.1000	0.9000	0.6154	0.2404
hiv1-proteasa	0.8376	0.1578	0.8484	0.4884	0.6685
hiva	0.9368	0.0576	0.9507	0.1124	0.6319
horse	0.6389	0.2407	0.6389	0.3834	0.5733
htru2	0.8789	0.1277	0.8563	0.3679	0.6586
ht-sensor	0.9666	0.0283	0.9660	0.9368	0.1191
hypothyroid	0.9817	0.0054	1.0000	0.9317	0.0904
hypothyroidT	0.9788	0.0212	0.9788	0.8635	0.3629
ilpd	0.5932	0.4068	0.5932	-0.0663	0.9502
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6614	0.0265	0.6481	0.6497	0.2029
jm1	0.8172	0.1938	0.8104	0.1600	0.7153
fvowels	0.8459	0.0344	0.8602	0.8241	0.2010
kc1	0.8626	0.1374	0.8626	0.3796	0.6471
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.1486	0.1309
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	0.9500	0.0500	0.9500	0.8933	0.2764
krkopt	0.7866	0.0249	0.7804	0.7472	0.2542
krvskp	0.9962	0.0031	1.0000	1.0000	0.0276
la1s-wc	0.7662	0.0873	0.7452	0.6519	0.3689
la2s-wc	0.7318	0.0894	0.7318	0.6686	0.3481
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.5588	0.0221	0.5588	0.5401	0.1127
led24	0.4500	0.1100	0.4500	0.3855	0.2120
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.8475	0.0117	0.8475	0.8414	0.1332
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.6389	0.0481	0.6389	0.6119	0.1724
linkage10%	0.9962	0.0000	0.9924	0.9794	0.0001
liver	0.6176	0.3824	0.6176	0.1467	0.9099
localization	0.1523	0.1535	0.1501	0.0867	0.6577
lrs	0.7925	0.0415	0.7925	0.7181	0.1969
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.6250	0.1071	0.6250	0.5294	0.1952
lupus	0.5556	0.4444	0.5556	0.1000	0.9644
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0208
madelon	0.7077	0.2923	0.7077	0.4154	0.8105
magic04	0.8133	0.1867	0.8133	0.5902	0.6601

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
mammography	0.7917	0.2083	0.7917	0.5828	0.6790
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7592	0.3551
messidor	0.6522	0.3478	0.6522	0.2790	0.8778
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.8889	0.0556	0.8889	0.8448	0.0948
meter-D	0.7778	0.1111	0.7778	0.6949	0.2245
mfeat-fac	0.8950	0.0210	0.8950	0.8833	0.1066
mfeat-fou	0.6750	0.0650	0.6750	0.6389	0.2630
mfeat-kar	0.8100	0.0380	0.8100	0.7889	0.1785
mfeat-mor	0.6700	0.0660	0.6700	0.6333	0.2425
mfeat-pix	0.8850	0.0230	0.8850	0.8722	0.1185
mfeat-zer	0.6282	0.0740	0.6297	0.5876	0.3017
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3717	0.4891
mobile	0.5594	0.0157	0.5594	0.5510	0.2013
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9439	0.0561	0.9439	0.7829	0.4052
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9620
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8319
MUT_ci034254q_MACCS	0.6230	0.3770	0.6230	0.2387	0.9088
MUT_ci300400a	0.5652	0.4305	0.5677	0.1911	0.8255
MUT_ci300400a_cdk_ECFP2	0.4256	0.5723	0.4242	0.0181	0.5964
myocardial	0.8706	0.0324	0.8706	0.4241	0.2952
naticusdroid	0.9109	0.0916	0.9175	0.8271	0.4122
nci9	0.3333	0.1481	0.3333	0.2000	0.2131
ncRNA10%	0.9081	0.0093	0.8947	0.7280	0.2078
newspop	0.4702	0.5289	0.4753	0.0162	0.5971
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9348	0.0778	0.9340	0.8175	0.3743
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0959	0.7871
nursery	1.0000	0.0000	0.9907	0.9860	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9864	0.0182	0.9705	0.9420	0.1752
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0149
oh0-wc	0.6832	0.0634	0.6832	0.6433	0.2384
oh10-wc	0.6000	0.0800	0.6000	0.5458	0.2826
oh15-wc	0.6413	0.0717	0.6413	0.5997	0.2611
oh5-wc	0.6264	0.0747	0.6264	0.5834	0.2606
opn310k	0.9270	0.0922	0.9084	0.0334	0.3165
opnat310k-hg16-17	0.9193	0.0901	0.9209	0.0451	0.3087
optdigits	0.8861	0.0228	0.8861	0.8735	0.1240
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.5500	0.0225	0.5500	0.5385	0.0932
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9486	0.0514	0.9486	0.2088	0.6180
ozone8hr	0.8814	0.1186	0.8814	0.0550	0.7030
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9748	0.0101	0.9613	0.8496	0.1732

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
particle	0.4176	0.5815	0.4190	0.0459	0.7457
pasture	0.5000	0.3333	0.5000	0.3333	0.1875
pc1	0.8739	0.1261	0.8739	0.2994	0.6299
pcmac	0.4915	0.5108	0.4757	-0.0314	0.9999
pd	0.8626	0.1317	0.8767	0.6771	0.5686
pediatric-leukemia	0.7583	0.0661	0.7516	0.7227	0.1794
pendigits	1.0000	0.0018	1.0000	1.0000	0.0165
period	0.6667	0.3333	0.6667	0.3077	0.8309
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.6602	0.3319	0.6732	0.2656	0.8608
P-Glycoprotein_b_Substrate	0.7058	0.3032	0.6948	0.4010	0.8156
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8640	0.1492	0.8440	0.7081	0.5550
P-Glycoprotein_RDkit_AtomPair_FP	0.6897	0.2979	0.7130	0.4007	0.7905
Pgp_desc	0.6000	0.4000	0.6000	0.1667	0.9308
phishing	0.9017	0.0821	0.9201	0.8277	0.3804
phoneme	0.8889	0.1111	0.8889	0.7285	0.5120
phy	0.3853	0.6011	0.3940	-0.2216	1.0000
pima	0.6711	0.3289	0.6711	0.2825	0.8593
plrx	0.6111	0.3889	0.6111	0.0870	0.8978
poker	0.7630	0.0464	0.7592	0.5805	0.3350
polish-1st	0.9266	0.0643	0.9415	0.2933	0.5959
polish-2nd	0.9332	0.0784	0.9053	0.0693	0.6049
polish-3rd	0.7362	0.2787	0.7085	0.0557	0.3648
polish-4th	0.9210	0.0648	0.9183	0.0612	0.5995
polish-5th	0.9337	0.0587	0.9469	0.4818	0.5447
polya	0.4014	0.6018	0.4060	0.0418	0.6384
popularity	0.0855	0.6201	0.0855	-0.0242	0.5733
post-operative	0.3333	0.4444	0.3333	-0.5000	0.5000
postures	0.8017	0.0815	0.7828	0.7347	0.2671
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8487
primary-tumor	0.3333	0.0606	0.3333	0.2681	0.2425
profb	0.5224	0.4776	0.5224	0.0092	0.9359
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8468	0.1444	0.8634	0.7200	0.5485
prostate_GE	0.8323	0.1840	0.8245	0.6265	0.6337
puc-rio	0.9461	0.0158	0.9440	0.9392	0.1095
pufs-6410%	0.4920	0.5008	0.5007	-0.0015	0.9934
raisin	0.8111	0.1889	0.8111	0.6222	0.6301
re0-wc	0.6128	0.0586	0.6184	0.4950	0.3912
re1-wc	0.4929	0.0414	0.4893	0.4296	0.2912
rejafada	1.0000	0.0000	1.0000	0.9963	0.0000
relathe	1.0000	0.0000	0.9941	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5523	0.4403	0.5665	0.2043	0.6784
RT_IOT2022	0.9909	0.0018	0.9827	0.9586	0.0325
satimage	0.8416	0.0483	0.8554	0.8278	0.2162
satimageF	1.0000	0.0095	0.9967	0.9495	0.1402
satimageT	0.9009	0.1043	0.8958	0.4546	0.6556
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5882	0.4118	0.5882	0.1765	0.9230
secom	0.9137	0.0944	0.9111	0.0692	0.6713
secondary_mushroom	0.9481	0.0474	0.9585	0.9177	0.2582
segment	0.9437	0.0161	0.9437	0.9342	0.0781
segmentO	0.9870	0.0130	0.9870	0.9501	0.1929

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
seismic	0.8837	0.1163	0.8837	0.1044	0.6687
semeion	0.9818	0.0062	1.0000	0.9806	0.0287
sens-1-gram	0.7553	0.2447	0.7553	0.0355	0.7606
sens-2-gram	0.6263	0.3857	0.6184	0.0749	0.6187
sens-3-gram	0.7946	0.2059	0.7988	-0.0195	0.7905
sens-4-gram	0.8483	0.1451	0.8588	0.1287	0.6238
sensorless	0.9798	0.0048	0.9712	0.9530	0.0346
sepsis	0.5387	0.4574	0.5374	0.0282	0.4678
shoppers	0.8659	0.1510	0.8643	0.3319	0.7034
shuttle	1.0000	0.0001	0.9848	0.9813	0.0138
sick	0.9656	0.0182	0.9734	0.8486	0.1798
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
skin	0.9893	0.0019	0.9950	1.0000	0.0188
smk_can_187	0.6214	0.3749	0.6305	0.2630	0.8966
solar-flare	0.7698	0.0767	0.7698	0.7066	0.2159
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9559	0.0046	0.9559	0.9515	0.0237
spambase	0.8777	0.1123	0.8995	0.7595	0.4807
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.7714	0.2286	0.7714	0.5000	0.6967
spectrometer	0.4528	0.0228	0.4528	0.4209	0.1750
splice-EI	0.9568	0.0505	0.9647	0.8615	0.3347
splice-IE	0.9321	0.0621	0.9556	0.8244	0.3782
sport-articles	0.6900	0.3100	0.6900	0.3668	0.8154
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	-0.1538	0.4966
steel-b	0.7744	0.2256	0.7744	0.3440	0.7721
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8297	0.1207	0.8042	0.6925	0.2734
steel-k	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o	0.8051	0.1949	0.8051	0.5710	0.6765
steel-p	0.9231	0.0769	0.9231	0.5035	0.6068
steel-s	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3077	0.4615	0.3077	-0.1038	0.7596
student-weekend	0.4154	0.2338	0.4154	0.1886	0.6923
student-workday	0.7031	0.1187	0.7031	0.1936	0.4235
susy10%	0.6794	0.3238	0.6703	0.3110	0.5705
swarm_aligned	0.9835	0.0000	1.0000	0.9807	0.0000
swarm_flocking	0.9899	0.0004	0.9955	0.9957	0.0047
swarm_grouped	0.9901	0.0000	1.0000	0.9920	0.0000
tae	0.6667	0.2222	0.6667	0.5000	0.4790
Tdp_desc	0.8333	0.1667	0.8333	0.5909	0.6096
texture	0.9208	0.0114	0.9369	0.9215	0.0733
theorem	0.9852	0.0000	1.0000	0.9973	0.0000
thoracic	0.7021	0.2979	0.7021	-0.0511	0.7846
Thyroid_Diff	0.8684	0.1316	0.8684	0.6713	0.5520
tic-tac-toe	0.9474	0.0526	0.9474	0.8831	0.3003
tis	0.5943	0.3898	0.6034	0.2709	0.6581
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1935
tox_171	0.7669	0.1162	0.7570	0.6953	0.1805
toxicity	0.5928	0.4050	0.5922	0.0629	0.9503
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.0465	0.9106
trec11-wc	0.9673	0.0107	0.9458	0.9484	0.0270
trec12-wc	0.9658	0.0082	0.9594	0.9646	0.0209

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
trec21-wc	0.9463	0.0202	0.9240	0.8884	0.1163
trec23-wc	0.9681	0.0158	0.9506	0.9207	0.0452
trec31-wc	0.9808	0.0031	0.9941	0.9670	0.0000
trec41-wc	0.9059	0.0206	0.9122	0.8587	0.0906
trec45-wc	0.9455	0.0147	0.9170	0.9220	0.0533
tuandromd	0.9472	0.0491	0.9529	0.8322	0.2646
turkish	0.7500	0.1250	0.7500	0.6667	0.3458
tvnews	0.4069	0.5816	0.4045	0.0276	0.6915
urban	0.7164	0.0630	0.7164	0.6677	0.2406
vehicle	0.7619	0.1190	0.7619	0.6753	0.2894
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.3737	0.1139	0.3737	0.3111	0.3111
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
vrnormat310k-hg16-17	0.8901	0.1220	0.8702	0.1592	0.6995
wap-wc	0.2775	0.0717	0.2791	0.2190	0.3893
warpar10p	0.7555	0.0467	0.7686	0.7430	0.0719
warppiel0p	1.0000	0.0000	0.9866	0.9814	0.0000
watch-acc10%	0.8117	0.0570	0.7959	0.7782	0.2076
watch-gyr10%	0.9262	0.0210	0.9329	0.9146	0.0982
waveform	0.7329	0.1793	0.7199	0.5993	0.4919
web-phishing	0.8741	0.0840	0.8741	0.7786	0.3779
weight-lift	0.9587	0.0094	0.9947	0.9530	0.0545
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9850	0.0075	0.9850	0.9800	0.0380
wilt	1.0000	0.0126	0.9707	0.8525	0.2719
wine	0.8235	0.1176	0.8235	0.7086	0.2647
winequality-red	0.6730	0.1090	0.6730	0.4630	0.3490
winequality-white	0.6196	0.1087	0.6196	0.4022	0.4889
winnipeg	0.9609	0.0063	0.9814	0.9816	0.0487
yale	0.6833	0.0414	0.6749	0.6692	0.0612
yeast	0.5338	0.0932	0.5338	0.3949	0.3479
yeastCYT-POX	0.9592	0.0408	0.9592	0.6475	0.5283
yeastEXC	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.6725	0.0648	0.6750	0.6546	0.2863
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

## 4.1 Ensembles of 30 classifiers

Table 207: Detailed results for RotationForest (30)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1127	0.0612	0.1127	0.0614	0.6013
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9528	0.0472	0.9528	0.3506	0.4763
ads	0.9695	0.0305	0.9695	0.8712	0.2692
adult	0.8274	0.1726	0.8274	0.5861	0.6218
AID1284Morered	0.8611	0.1389	0.8611	0.4643	0.6729
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9223	0.0777	0.9223	0.1660	0.6184
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.7714	0.2286	0.7714	0.0300	0.8195
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9983	0.0017	0.9983	0.2849	0.5277
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7297	0.2703	0.7297	0.4394	0.7874
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9868	0.0132	0.9868	0.3329	0.4032
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6000	0.4000	0.6000	-0.0526	0.9519
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9955	0.0045	0.9955	0.1154	0.5433
AID688red	0.9448	0.0552	0.9448	0.0107	0.2635
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9980	0.0020	0.9980	-0.0010	0.5055
AID746red	0.9368	0.0632	0.9368	0.0632	0.1851
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8615	0.1385	0.8615	0.6189	0.6116
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9663	0.0135	0.9663	0.9317	0.1118
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9805	0.0097	0.9805	0.9628	0.0494
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9764	0.0059	0.9764	0.9613	0.1074
anuran-species	0.9806	0.0039	0.9806	0.9729	0.0544
aps-failure	0.9751	0.0249	0.9751	0.5585	0.5367
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.8000	0.0308	0.8000	0.6906	0.1950
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7516	0.0318
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8020	0.1297
avila	0.9966	0.0006	0.9966	0.9956	0.0153
balance	0.7581	0.1613	0.7581	0.6029	0.4165
bank	0.8551	0.1449	0.8551	0.5091	0.5781
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7918	0.3460
basehock	0.9899	0.0100	0.9899	0.9799	0.0768
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7500	0.2500	0.7500	0.4494	0.7344
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9425	0.0287	0.9425	0.8822	0.2314
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.9014	0.0197	0.9014	0.8823	0.1338
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7825	0.3756
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5789	0.4840
cas_N6512_cdk_ECFP2	0.7419	0.2581	0.7419	0.4847	0.7559
census10%	0.8245	0.1755	0.8245	0.3124	0.4740
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9302	0.0698	0.9302	0.5409	0.5239
cervical-S	0.9302	0.0698	0.9302	0.5343	0.5353
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6986	0.5448
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6716	0.5255
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4309	0.7876
cirrhosis	0.7857	0.1429	0.7857	0.5675	0.3387
cjs	0.9929	0.0024	0.9929	0.9913	0.0188
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8120	0.0940	0.8120	0.7160	0.4332
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cll_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5442	0.3039	0.5442	0.3036	0.6898
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0478
codon_usage	0.9248	0.0137	0.9248	0.9084	0.1094
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.8200	0.0240	0.8200	0.8021	0.0997
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.7931	0.2069	0.7931	0.5193	0.6844
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.6207	0.3793	0.6207	0.2276	0.9066
colposcopies-4	0.8276	0.1724	0.8276	0.4649	0.3439
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6897	0.3103	0.6897	0.3741	0.8142
colposcopies-c	0.8276	0.1724	0.8276	0.4487	0.6170
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7419	0.1720	0.7419	0.5804	0.3096
connect-4	0.9543	0.0305	0.9543	0.4583	0.5038
cottonmeloidogyne	0.7740	0.2260	0.7740	0.5486	0.6979

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7492	0.2508	0.7492	0.4897	0.7548
covtypeCD	0.9836	0.0164	0.9836	0.9323	0.2188
covtypeT	0.9761	0.0239	0.9761	0.8307	0.3931
cox2_cdk_ECFP2	0.7826	0.2174	0.7826	0.3629	0.7528
crowdsourced	0.9401	0.0200	0.9401	0.8790	0.2503
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5938	0.0203	0.5938	0.5819	0.0609
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7593	0.2407	0.7593	0.5105	0.7383
darwin	0.8889	0.1111	0.8889	0.7778	0.3322
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7850	0.2150	0.7850	0.4151	0.7439
deposit	0.8392	0.1608	0.8392	0.4764	0.5903
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6000	0.2311
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7368	0.2632	0.7368	0.4556	0.7748
diabetes	0.9231	0.0769	0.9231	0.8375	0.3723
diabetic10%	0.5305	0.3130	0.5305	0.1948	0.7564
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5833	0.4167	0.5833	0.0909	0.9325
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7540	0.1640	0.7540	0.6025	0.4606
drug-01	0.3138	0.1960	0.3138	0.0763	0.8820
drug-02	0.4734	0.1505	0.4734	0.2922	0.7548
drug-03	0.5319	0.1337	0.5319	0.1359	0.5406
drug-04	0.4043	0.1702	0.4043	0.1890	0.8051
drug-05	0.6383	0.1033	0.6383	-0.0595	0.5687
drug-06	0.3457	0.1869	0.3457	0.2052	0.6849
drug-07	0.3830	0.1763	0.3830	0.0480	0.5145
drug-08	0.3989	0.1717	0.3989	0.1616	0.8151
drug-09	0.7713	0.0654	0.7713	0.0751	0.4642
drug-10	0.5160	0.1383	0.5160	0.2437	0.7306
drug-11	0.7447	0.0729	0.7447	0.1745	0.8208
drug-12	0.6649	0.0957	0.6649	0.1409	0.5376
drug-13	0.5691	0.1231	0.5691	0.2737	0.6867
drug-14	0.5585	0.1261	0.5585	0.3568	0.6160
drug-15	0.5532	0.1277	0.5532	0.1102	0.8573
drug-16	0.5585	0.1261	0.5585	0.3702	0.5726
drug-17	0.3138	0.1960	0.3138	0.1491	0.7927
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.5904	0.1170	0.5904	0.1260	0.6049
drybean	0.9199	0.0229	0.9199	0.9032	0.1300
ecoli	0.8529	0.0368	0.8529	0.7954	0.1148
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.8788	0.1212	0.8788	0.6959	0.5472
ecoliMU	0.7879	0.2121	0.7879	0.2667	0.5821
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5546	0.0557	0.5546	0.5094	0.5654
eeg-eye	0.9092	0.0908	0.9092	0.8157	0.4003
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2602	0.8833
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7193	0.5241
er_tox_rdkit_ATOMPAIR	0.8852	0.1148	0.8852	0.3146	0.5382

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5436	0.6650
er_tox_rdkit_FEATMORGAN	0.9839	0.0161	0.9839	0.9675	0.1023
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	0.5709	0.5288
er_tox_rdkit_MORGAN	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8845	0.2659
er_tox_rdkit_RDKITFP	0.9344	0.0656	0.9344	0.8473	0.3653
er_tox_rdkit_TORSION	0.8387	0.1613	0.8387	0.3217	0.4238
eucalyptus	0.6849	0.1260	0.6849	0.6004	0.3413
euthyroid	0.9652	0.0348	0.9652	0.8061	0.3831
fbis-wc	0.8659	0.0158	0.8659	0.8483	0.1108
fda.atompair_fp	0.5455	0.4545	0.5455	-0.1458	0.9447
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5732	0.2154
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.4174	0.0078	0.4166	0.3576	0.2624
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9964	0.0012	0.9964	0.9956	0.0090
gastrointestinal	0.6875	0.2083	0.6875	0.4631	0.3332
gender	0.5811	0.2793	0.5811	0.2194	0.7150
gene	0.9401	0.0400	0.9401	0.9042	0.1843
german	0.7100	0.2900	0.7100	0.3409	0.8264
gina	0.9510	0.0490	0.9510	0.9020	0.2613
glass	0.7619	0.0794	0.7619	0.6837	0.1996
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.9524	0.0476	0.9524	0.8889	0.1675
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2982	0.4569
haberman	0.7667	0.2333	0.7667	0.4262	0.7592
hapt	0.9625	0.0063	0.9625	0.9557	0.0489
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.6667	0.5000
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higher	0.2857	0.1786	0.2857	0.1716	0.2875
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.9073	0.0927	0.9073	0.6947	0.5388
hiva	0.9527	0.0473	0.9527	0.2614	0.6099
horse	0.6944	0.2037	0.6944	0.4877	0.5312
htru2	0.9743	0.0257	0.9743	0.8481	0.3320
hypothyroid	0.9841	0.0080	0.9841	0.9100	0.1309
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6441	0.3559	0.6441	0.1473	0.8927
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9012	0.0076	0.9012	0.8972	0.0825
jm1	0.7649	0.2351	0.7649	0.3484	0.7474
fvowels	0.9709	0.0065	0.9709	0.9670	0.0476
kc1	0.8436	0.1564	0.8436	0.4285	0.6993
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.3571	0.0536	0.3571	0.1600	0.1164
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3514	0.7685
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7579	0.0269	0.7579	0.7309	0.3198
krvskp	0.9843	0.0157	0.9843	0.9686	0.1069
la1s-wc	0.8921	0.0360	0.8921	0.8642	0.1778
la2s-wc	0.8841	0.0386	0.8841	0.8547	0.2023
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6912	0.0577
led24	0.6500	0.0700	0.6500	0.6034	0.1506
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9495	0.0039	0.9495	0.9475	0.0593
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8510	0.0615
liver	0.7647	0.2353	0.7647	0.4868	0.7356
lrs	0.8491	0.0302	0.8491	0.7944	0.1334
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7143	0.1429	0.7143	0.4510	0.3188
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7538	0.2462	0.7538	0.5077	0.7378
magic04	0.8785	0.1215	0.8785	0.7304	0.5066
mammography	0.8542	0.1458	0.8542	0.7080	0.5499
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7525	0.1650	0.7525	0.6253	0.4579
messidor	0.6696	0.3304	0.6696	0.3369	0.8520
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0542
mfeat-fou	0.8050	0.0390	0.8050	0.7833	0.1531
mfeat-kar	0.9800	0.0040	0.9800	0.9778	0.0247
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.1981
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0286
mfeat-zer	0.7600	0.0480	0.7600	0.7333	0.1600
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4706	0.2118	0.4706	0.3362	0.4384
mobile	0.9650	0.0012	0.9650	0.9644	0.0163

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	0.9016	0.0984	0.9016	0.7821	0.4496
monks-3	0.9643	0.0357	0.9643	0.9285	0.2076
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9697	0.0303	0.9697	0.8782	0.2034
mutagen_class_1	0.4559	0.5441	0.4559	-0.0882	1.0000
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6721
MUT_ci034254q-MACCS	0.7213	0.2787	0.7213	0.4373	0.7936
MUT_ci300400a	0.8509	0.1491	0.8509	0.6973	0.5619
MUT_ci300400a_cdk_ECFP2	0.7902	0.2098	0.7902	0.5756	0.6792
myocardial	0.8647	0.0338	0.8647	0.4355	0.5011
naticusdroid	0.9669	0.0331	0.9669	0.9339	0.1955
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
newspop	0.6705	0.3295	0.6705	0.3354	0.8571
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9640	0.0360	0.9640	0.9126	0.2454
NPHA-doctor-visits	0.3611	0.4259	0.3611	-0.0229	0.7839
nursery	0.9799	0.0080	0.9799	0.9707	0.0705
obs	0.9815	0.0093	0.9815	0.9727	0.0458
occupancy	0.9927	0.0073	0.9927	0.9796	0.0907
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9604	0.0079	0.9604	0.9548	0.0418
oh10-wc	0.8190	0.0362	0.8190	0.7955	0.1670
oh15-wc	0.8913	0.0217	0.8913	0.8766	0.1136
oh5-wc	0.8901	0.0220	0.8901	0.8760	0.1182
optdigits	0.9644	0.0071	0.9644	0.9604	0.0523
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9762	0.0095	0.9762	0.8742	0.3554
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.3567	0.6383
pcmac	0.4948	0.5052	0.4948	-0.0762	1.0000
pd	0.9342	0.0658	0.9342	0.8148	0.3131
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9891	0.0022	0.9891	0.9879	0.0195
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8608	0.1392	0.8608	0.6934	0.5608
P-Glycoprotein_b_Substrate	0.7200	0.2800	0.7200	0.4400	0.7788
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7787	0.4355
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9592	0.0408	0.9592	0.9144	0.2360
phoneme	0.8981	0.1019	0.8981	0.7601	0.4830
phy	0.7166	0.2834	0.7166	0.4332	0.7989
pima	0.7632	0.2368	0.7632	0.4926	0.7331

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6111	0.3889	0.6111	-0.1887	0.9536
polish-1st	0.9644	0.0356	0.9644	0.1333	0.1050
polish-2nd	0.9617	0.0383	0.9617	0.1604	0.3582
polish-3rd	0.9524	0.0476	0.9524	0.0675	0.3031
polish-4th	0.9561	0.0439	0.9561	0.3767	0.3829
polish-5th	0.9425	0.0575	0.9425	0.4708	0.5260
polya	0.7784	0.2216	0.7784	0.5076	0.7202
popularity	0.6832	0.2112	0.6832	0.2959	0.5363
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9834	0.0067	0.9834	0.9792	0.0417
pred-tox_mutagen_ref-desc	0.7647	0.2353	0.7647	0.5294	0.7157
primary-tumor	0.3636	0.0579	0.3636	0.3104	0.2122
profb	0.6567	0.3433	0.6567	0.2479	0.8716
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8200	0.0277	0.8200	0.7751	0.2166
re1-wc	0.8253	0.0140	0.8253	0.8046	0.2001
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7257	0.2743	0.7257	0.4465	0.7761
satimage	0.9051	0.0316	0.9051	0.8831	0.1604
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9425	0.0575	0.9425	0.6855	0.4976
scadi	0.7143	0.0816	0.7143	0.6410	0.0842
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.6471	0.3529	0.6471	0.2941	0.8778
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9654	0.0099	0.9654	0.9595	0.0427
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885
seismic	0.9109	0.0891	0.9109	0.2111	0.6665
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8579	0.1421	0.8579	0.0823	0.6398
sens-2-gram	0.8579	0.1421	0.8579	0.1464	0.6742
sens-3-gram	0.8789	0.1211	0.8789	0.1982	0.4633
sens-4-gram	0.8737	0.1263	0.8737	0.2413	0.6010
sensorless	0.9981	0.0003	0.9981	0.9979	0.0043
shoppers	0.8938	0.1062	0.8938	0.6117	0.5938
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9735	0.0265	0.9735	0.7686	0.3227
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6842	0.3158	0.6842	0.3523	0.7434
solar-flare	0.7050	0.0983	0.7050	0.6335	0.2587
sonar	0.5000	0.5000	0.5000	0.0000	0.9934
soybean	0.9706	0.0031	0.9706	0.9678	0.0165
spambase	0.9304	0.0696	0.9304	0.8537	0.3389
spect	0.7407	0.2593	0.7407	0.3636	0.7481
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.6792	0.0134	0.6792	0.6612	0.0931
splice-EI	0.9621	0.0379	0.9621	0.9005	0.2653
splice-IE	0.9401	0.0599	0.9401	0.8348	0.3664
sport-articles	0.8000	0.2000	0.8000	0.5804	0.6732
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.8462	0.1538	0.8462	0.5603	0.6532

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.9164	0.0557	0.9164	0.8647	0.2071
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8205	0.1795	0.8205	0.6035	0.6464
steel-p	0.9385	0.0615	0.9385	0.6332	0.5553
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.6154	0.2564	0.6154	0.4196	0.5173
student-weekend	0.2615	0.2954	0.2615	0.0256	0.7213
student-workday	0.7188	0.1125	0.7188	0.3098	0.5107
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	0.9830	0.0000	1.0000	0.9798	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5855
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9764	0.0043	0.9764	0.9739	0.0342
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7660	0.2340	0.7660	0.0190	0.8083
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9789	0.0211	0.9789	0.9529	0.1491
tis	0.9155	0.0845	0.9155	0.7743	0.4498
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	0.0000	0.8747
trec11-wc	0.9024	0.0217	0.9024	0.8805	0.0759
trec12-wc	0.9677	0.0081	0.9677	0.9612	0.0265
trec21-wc	0.9091	0.0303	0.9091	0.8173	0.1421
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9570	0.0123	0.9570	0.9429	0.0712
trec41-wc	0.9318	0.0136	0.9318	0.9169	0.0750
trec45-wc	0.9565	0.0087	0.9565	0.9491	0.0283
tuandromd	0.9753	0.0247	0.9753	0.9262	0.2378
turkish	0.7750	0.1125	0.7750	0.7000	0.2712
urban	0.8507	0.0332	0.8507	0.8253	0.1333
vehicle	0.7500	0.1250	0.7500	0.6608	0.2425
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.7071	0.0533	0.7071	0.6778	0.1718
vowelZ	0.9798	0.0202	0.9798	0.8642	0.0715
wap-wc	0.8141	0.0186	0.8141	0.7930	0.1558
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8580	0.0947	0.8580	0.7870	0.3311
web-phishing	0.8593	0.0938	0.8593	0.7571	0.4119
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0025
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9793	0.0207	0.9793	0.7891	0.4013
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6415	0.1195	0.6415	0.4433	0.4817
winequality-white	0.6053	0.1128	0.6053	0.4249	0.5498
yale	0.7500	0.0333	0.7500	0.7322	0.0618
yeast	0.6149	0.0770	0.6149	0.5085	0.3953

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9592	0.0408	0.9592	0.4787	0.5697
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9398	0.0120	0.9398	0.9325	0.0969
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 208: Detailed results for BoostForest (30)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1559	0.0582	0.1559	0.0753	0.5766
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9841	0.0159	0.9841	0.2347	0.2055
ads	0.9848	0.0152	0.9848	0.9350	0.1232
adult	0.8538	0.1462	0.8538	0.5770	0.6184
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8889	0.1111	0.8889	0.3010	0.2451
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8286	0.1714	0.8286	0.1393	0.5162
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9992	0.0008	0.9992	0.2855	0.0047
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.8378	0.1622	0.8378	0.6487	0.5207
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9988	0.0012	0.9988	-0.0003	0.4066
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.7000	0.3000	0.7000	0.2105	0.8520
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red	0.9897	0.0103	0.9897	-0.0020	0.3811
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.2256	0.2865
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9861	0.0070	0.9861	0.9734	0.0355
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0716
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0322
aps-failure	0.9941	0.0059	0.9941	0.8134	0.1826
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7556	0.0376	0.7556	0.5639	0.1434
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8503	0.0302
audit-risk	0.9872	0.0128	0.9872	0.9731	0.0692
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9794	0.0034	0.9794	0.9731	0.0361
balance	0.8871	0.0753	0.8871	0.7953	0.3259
bank	0.9119	0.0881	0.9119	0.5314	0.5861
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8940	0.1060	0.8940	0.7606	0.4016
basehock	0.9648	0.0352	0.9648	0.9297	0.1892
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.6429	0.3571	0.6429	0.0541	0.9174
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.7153	0.5085
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	1.0000	0.0000	1.0000	1.0000	0.0000
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9755	0.0473
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8592	0.0282	0.8592	0.8307	0.1498
cardiotocography-nsp	0.9484	0.0344	0.9484	0.8479	0.0951
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8250	0.1167	0.8250	0.6811	0.4049
cas_N6512_cdk_ECFP2	0.7834	0.2166	0.7834	0.5638	0.6960
census10%	0.9522	0.0478	0.9522	0.4500	0.4518
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7643	0.4750
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.6737	0.3263	0.6737	0.2874	0.8648
cirrhosis	0.7857	0.1429	0.7857	0.5685	0.3575
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8306	0.0847	0.8306	0.7372	0.3823
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cll_sub_111	0.5833	0.2778	0.5833	0.2683	0.4054
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5578	0.2948	0.5578	0.3052	0.6728
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0828
codon_usage	0.9225	0.0141	0.9225	0.9054	0.1045
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6897	0.3103	0.6897	0.2606	0.8474
colposcopies-2	0.7241	0.2759	0.7241	0.3446	0.6808
colposcopies-3	0.7241	0.2759	0.7241	0.4171	0.7875
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.8621	0.1379	0.8621	0.2927	0.2846
colposcopies-6	0.6897	0.3103	0.6897	0.3680	0.6869
colposcopies-c	0.8276	0.1724	0.8276	0.3777	0.3360
column-2c	0.9355	0.0645	0.9355	0.8524	0.3445
column-3c	0.7742	0.1505	0.7742	0.6353	0.3862
connect-4	0.9969	0.0021	0.9969	0.9251	0.0081
cottonmeloidogyne	0.7668	0.2332	0.7668	0.5338	0.7208

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7689	0.2311	0.7689	0.5241	0.7204
covtypeCD	0.9940	0.0060	0.9940	0.9746	0.0721
covtypeT	0.9878	0.0122	0.9878	0.9043	0.1985
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.3357	0.6857
crowdsourced	0.9475	0.0175	0.9475	0.8902	0.1063
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.6562	0.0172	0.6562	0.6462	0.0466
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.8148	0.1852	0.8148	0.6213	0.6409
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8203	0.1797	0.8203	0.3926	0.6772
deposit	0.9067	0.0933	0.9067	0.5097	0.5931
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4667	0.2255
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5796	0.6640
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5609	0.2927	0.5609	0.1456	0.5919
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.1642	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7698	0.1535	0.7698	0.6111	0.4510
drug-01	0.3457	0.1869	0.3457	0.0002	0.5697
drug-02	0.4787	0.1489	0.4787	0.1381	0.7170
drug-03	0.6809	0.0912	0.6809	0.1152	0.3693
drug-04	0.4947	0.1444	0.4947	0.1302	0.7296
drug-05	0.7287	0.0775	0.7287	-0.0081	0.2227
drug-06	0.4202	0.1657	0.4202	0.2737	0.5574
drug-07	0.3830	0.1763	0.3830	-0.0137	0.4657
drug-08	0.5691	0.1231	0.5691	0.2067	0.5045
drug-09	0.8723	0.0365	0.8723	0.0699	0.1044
drug-10	0.5319	0.1337	0.5319	0.1391	0.5916
drug-11	0.8404	0.0456	0.8404	0.0136	0.2360
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5957	0.1155	0.5957	0.2421	0.4329
drug-14	0.6064	0.1125	0.6064	0.3270	0.5622
drug-15	0.7500	0.0714	0.7500	0.1306	0.4191
drug-16	0.5745	0.1216	0.5745	0.2972	0.5048
drug-17	0.3777	0.1778	0.3777	0.1521	0.6768
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0454	0.4051
drybean	0.9229	0.0220	0.9229	0.9067	0.1260
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5754	0.0531	0.5754	0.5283	0.4821
eeg-eye	0.9306	0.0694	0.9306	0.8591	0.3293
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6667	0.5796
er_tox_rdkit_ATOMPAIR	0.9836	0.0164	0.9836	0.8486	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.7997	0.4035
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6575	0.1370	0.6575	0.5619	0.3754
euthyroid	0.9715	0.0285	0.9715	0.8367	0.3176
fbis-wc	0.8455	0.0182	0.8455	0.8235	0.0999
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.8500	0.0375	0.8500	0.8083	0.0862
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.3996	0.0078	0.4126	0.3502	0.2576
forest	0.9038	0.0481	0.9038	0.8661	0.1084
gas	0.9950	0.0017	0.9950	0.9939	0.0130
gastrointestinal	0.8750	0.0833	0.8750	0.7881	0.1526
gender	0.6021	0.2653	0.6021	0.1679	0.5440
gene	0.9338	0.0442	0.9338	0.8940	0.1794
german	0.7700	0.2300	0.7700	0.4307	0.6260
gina	0.9510	0.0490	0.9510	0.9020	0.2622
glass	0.9048	0.0317	0.9048	0.8683	0.0975
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.6452	0.5283
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8452	0.1548	0.8452	0.6855	0.5731
green	0.8000	0.2000	0.8000	0.4118	0.3750
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4894
haberman	0.7333	0.2667	0.7333	0.1045	0.7293
hapt	0.9643	0.0059	0.9643	0.9578	0.0391
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higher	0.2857	0.1786	0.2857	0.1411	0.2798
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8921	0.1079	0.8921	0.5709	0.5413
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.5833	0.2778	0.5833	0.2500	0.6516
htru2	0.9782	0.0218	0.9782	0.8643	0.2453
hypothyroid	0.9867	0.0066	0.9867	0.9231	0.1557
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7119	0.2881	0.7119	0.2587	0.8435
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.7961	0.3975
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9114	0.0068	0.9114	0.9079	0.0757
jm1	0.8182	0.1818	0.8182	0.2808	0.6998
lvowels	0.9910	0.0020	0.9910	0.9898	0.0150
kc1	0.8815	0.1185	0.8815	0.4134	0.4934
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.7857	0.0179	0.7857	0.5116	0.0893
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8631	0.0152	0.8631	0.8471	0.1827
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8508	0.0497	0.8508	0.8109	0.2420
la2s-wc	0.8742	0.0419	0.8742	0.8410	0.2268
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7941	0.0103	0.7941	0.7848	0.0298
led24	0.7000	0.0600	0.7000	0.6620	0.1246
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9680	0.0025	0.9680	0.9667	0.0381
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.9167	0.0111	0.9167	0.9105	0.0268
liver	0.8529	0.1471	0.8529	0.6718	0.5829
lrs	0.8302	0.0340	0.8302	0.7650	0.1315
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8367	0.0486
lupus	0.7778	0.2222	0.7778	0.5263	0.4308
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.7923	0.2077	0.7923	0.5846	0.6767
magic04	0.8764	0.1236	0.8764	0.7209	0.4949
mammography	0.8021	0.1979	0.8021	0.6062	0.6403
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7893	0.3270
messidor	0.7043	0.2957	0.7043	0.3900	0.8159
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.8333	0.0833	0.8333	0.7672	0.1538
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0316
mfeat-fou	0.8450	0.0310	0.8450	0.8278	0.1229
mfeat-kar	0.9850	0.0030	0.9850	0.9833	0.0189
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1913
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0351
mfeat-zer	0.8300	0.0340	0.8300	0.8111	0.0874
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5196	0.4135
mobile	0.9301	0.0025	0.9301	0.9288	0.0313

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9344	0.0656	0.9344	0.8580	0.3448
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9697	0.0303	0.9697	0.8739	0.1026
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9723
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.7009
MUT_ci034254q-MACCS	0.7213	0.2787	0.7213	0.4312	0.7800
MUT_ci300400a	0.8722	0.1278	0.8722	0.7386	0.5123
MUT_ci300400a_cdk_ECFP2	0.8417	0.1583	0.8417	0.6735	0.5848
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9151	0.0849	0.9151	0.8302	0.3399
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
newspop	0.6650	0.3350	0.6650	0.3241	0.8634
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9663	0.0337	0.9663	0.9171	0.2195
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0826	0.7322
nursery	0.9992	0.0003	0.9992	0.9989	0.0026
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0756
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9850	0.0271
oh0-wc	0.8812	0.0238	0.8812	0.8633	0.1012
oh10-wc	0.7810	0.0438	0.7810	0.7495	0.1990
oh15-wc	0.8587	0.0283	0.8587	0.8395	0.1422
oh5-wc	0.8132	0.0374	0.8132	0.7886	0.1649
optdigits	0.9715	0.0057	0.9715	0.9683	0.0422
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9289	0.0711	0.9289	0.1647	0.3724
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8942	0.1152
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5206	0.4794	0.5206	0.0263	0.9810
pd	0.9211	0.0789	0.9211	0.7647	0.2161
pediatric-leukemia	0.7941	0.0588	0.7941	0.7441	0.1659
pendigits	0.9945	0.0011	0.9945	0.9939	0.0105
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6608	0.5783
P-Glycoprotein_b_Substrate	0.7800	0.2200	0.7800	0.5600	0.6650
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7465	0.4928
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.9352	0.0648	0.9352	0.8382	0.3471
phy	0.7040	0.2960	0.7040	0.4079	0.8157
pima	0.6974	0.3026	0.6974	0.3235	0.8000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.7222	0.2778	0.7222	0.0000	0.4246
polish-1st	0.9616	0.0384	0.9616	0.0640	0.2756
polish-2nd	0.9548	0.0452	0.9548	0.0653	0.5323
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9531	0.0469	0.9531	0.3886	0.4891
polish-5th	0.9475	0.0525	0.9475	0.4829	0.4456
polya	0.7957	0.2043	0.7957	0.5365	0.6764
popularity	0.6711	0.2193	0.6711	0.2461	0.5228
post-operative	0.5556	0.2963	0.5556	-0.2000	0.4881
postures	0.9890	0.0044	0.9890	0.9862	0.0298
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8502
primary-tumor	0.2727	0.0661	0.2727	0.2016	0.2796
profb	0.7463	0.2537	0.7463	0.4180	0.7815
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8667	0.1333	0.8667	0.7333	0.5178
re0-wc	0.8400	0.0246	0.8400	0.7911	0.1905
re1-wc	0.8072	0.0154	0.8072	0.7773	0.1140
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6749	0.3251	0.6749	0.3277	0.8567
satimage	0.9114	0.0295	0.9114	0.8904	0.1400
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.9440	0.0560	0.9440	0.6316	0.3692
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.6176	0.3824	0.6176	0.2353	0.9023
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9654	0.0099	0.9654	0.9595	0.0447
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9302	0.0698	0.9302	0.1566	0.5451
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-2-gram	0.8816	0.1184	0.8816	0.1618	0.2534
sens-3-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-4-gram	0.8737	0.1263	0.8737	0.1180	0.4289
sensorless	0.9978	0.0004	0.9978	0.9976	0.0049
shoppers	0.8970	0.1030	0.8970	0.5687	0.5639
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9682	0.0318	0.9682	0.6692	0.0989
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7482	0.0839	0.7482	0.6785	0.2000
sonar	0.7500	0.2500	0.7500	0.5000	0.6793
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9522	0.0478	0.9522	0.8994	0.2552
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5849	0.0173	0.5849	0.5592	0.1182
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9432	0.0568	0.9432	0.8457	0.3609
sport-articles	0.8100	0.1900	0.8100	0.5902	0.6610
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8769	0.1231	0.8769	0.6156	0.5809

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9118	0.0588	0.9118	0.8567	0.2149
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.8359	0.1641	0.8359	0.6312	0.6080
steel-p	0.9385	0.0615	0.9385	0.5390	0.5226
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.5385	0.3077	0.5385	0.2909	0.4977
student-weekend	0.4154	0.2338	0.4154	0.1878	0.6169
student-workday	0.7500	0.1000	0.7500	0.2829	0.3165
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	0.9973	0.0000	1.0000	0.9890	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9909	0.0017	0.9909	0.9900	0.0147
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.9170	0.0830	0.9170	0.7583	0.3497
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.7647	0.1176	0.7647	0.6909	0.1082
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.6471	0.3529	0.6471	0.1639	0.8952
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	0.0310	0.8948
trec11-wc	0.9024	0.0217	0.9024	0.8791	0.0595
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.8571	0.0476	0.8571	0.8056	0.0904
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0332
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0488
trec45-wc	0.9275	0.0145	0.9275	0.9152	0.0551
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8500	0.0750	0.8500	0.8000	0.1732
urban	0.8358	0.0365	0.8358	0.8076	0.1315
vehicle	0.8333	0.0833	0.8333	0.7755	0.1495
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6566	0.0624	0.6566	0.6222	0.1880
vowelZ	0.9293	0.0707	0.9293	0.3419	0.1774
wap-wc	0.7628	0.0237	0.7628	0.7327	0.1609
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0390
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8460	0.1027	0.8460	0.7690	0.3579
web-phishing	0.8667	0.0889	0.8667	0.7632	0.3841
weight-lift	0.9995	0.0002	0.9995	0.9994	0.0015
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7044	0.0985	0.7044	0.5216	0.3641
winequality-white	0.6810	0.0911	0.6810	0.5085	0.3441
yale	0.8125	0.0250	0.8125	0.7983	0.0407
yeast	0.6149	0.0770	0.6149	0.4999	0.2928

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9656	0.0069	0.9656	0.9614	0.0581
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



Table 209: Detailed results for ExtraTree (30)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1559	0.0582	0.1559	0.0666	0.4474
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.0000	0.1451
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9604	0.0396	0.9604	0.8210	0.2390
adult	0.8571	0.1429	0.8571	0.5587	0.5714
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.9813	0.0187	0.9813	-0.0071	0.5505
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6216	0.3784	0.6216	0.1618	0.8952
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9777	0.0111	0.9777	0.9574	0.0540
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9750	0.0063	0.9750	0.9587	0.0691
anuran-species	0.9764	0.0047	0.9764	0.9670	0.0300
aps-failure	0.9863	0.0137	0.9863	0.4108	0.1712
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.6222	0.0581	0.6222	0.2130	0.1901
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.6009	0.0665	0.6009	0.3920	0.1967
balance	0.9194	0.0538	0.9194	0.8485	0.1327
bank	0.9143	0.0857	0.9143	0.5173	0.5615
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8041	0.1959	0.8041	0.5240	0.4623
basehock	0.9497	0.0503	0.9497	0.8995	0.2368
biodeg	0.8667	0.1333	0.8667	0.7146	0.5298
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.8571	0.1429	0.8571	0.6216	0.5439
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9483	0.0259	0.9483	0.8925	0.1968
card	0.9275	0.0725	0.9275	0.8491	0.3160
cardiotocography	0.8310	0.0338	0.8310	0.7954	0.1814
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8398	0.2201
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6126	0.4361
cas_N6512_cdk_ECFP2	0.5545	0.4455	0.5545	0.0374	0.5821
census10%	0.9492	0.0508	0.9492	0.3211	0.3527
central-nervous-system	0.5000	0.5000	0.5000	0.0000	0.9298
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9419	0.0581	0.9419	0.0000	0.1515
cervical-H	0.9651	0.0349	0.9651	0.3886	0.1042
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6154	0.6415
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7094	0.4381
ci900367j_MACCS	0.6947	0.3053	0.6947	0.2499	0.6479
cirrhosis	0.7143	0.1905	0.7143	0.4247	0.4298
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8204	0.0898	0.8204	0.7166	0.3022
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cll_sub_111	0.7500	0.1667	0.7500	0.6000	0.3320
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5510	0.2993	0.5510	0.2923	0.6853
cnae-9	0.7222	0.0617	0.7222	0.6875	0.1412
codon_usage	0.5894	0.0747	0.5894	0.4878	0.2375
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.5000	0.5000	0.5000	0.0000	0.9298
colposcopies-1	0.5862	0.4138	0.5862	-0.0116	0.9557
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.6897	0.3103	0.6897	0.2810	0.4723
colposcopies-4	0.8276	0.1724	0.8276	0.4649	0.3439
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6552	0.3448	0.6552	0.2927	0.5000
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.8387	0.1613	0.8387	0.6210	0.6099
column-3c	0.7419	0.1720	0.7419	0.5797	0.3260
connect-4	0.9837	0.0109	0.9837	0.4372	0.0330
cottonmeloidogyne	0.6274	0.3726	0.6274	0.2593	0.6877

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7200	0.2800	0.7200	0.4187	0.7914
covtypeCD	0.9916	0.0084	0.9916	0.9637	0.0824
covtypeT	0.9821	0.0179	0.9821	0.8549	0.2325
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9097	0.0301	0.9097	0.8045	0.1663
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.5000	0.0250	0.5000	0.4854	0.0748
cyclopentane	0.7037	0.2963	0.7037	0.3793	0.7738
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8283	0.1717	0.8283	0.4122	0.6459
deposit	0.9020	0.0980	0.9020	0.4333	0.5832
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.1579	0.6489
dexter	0.8833	0.1167	0.8833	0.7667	0.4224
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	-0.0909	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7381	0.1746	0.7381	0.5564	0.4640
drug-01	0.3830	0.1763	0.3830	-0.0163	0.3914
drug-02	0.5213	0.1368	0.5213	0.0882	0.5211
drug-03	0.7021	0.0851	0.7021	0.0886	0.2404
drug-04	0.5213	0.1368	0.5213	0.0412	0.4473
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3936	0.1733	0.3936	0.2214	0.4934
drug-07	0.4628	0.1535	0.4628	0.0896	0.3415
drug-08	0.5638	0.1246	0.5638	0.1072	0.3607
drug-09	0.8723	0.0365	0.8723	0.0699	0.1044
drug-10	0.5319	0.1337	0.5319	0.1015	0.4260
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6011	0.1140	0.6011	0.2089	0.3902
drug-14	0.6117	0.1109	0.6117	0.3050	0.4423
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5798	0.1201	0.5798	0.3029	0.4341
drug-17	0.3723	0.1793	0.3723	0.1248	0.4304
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7766	0.0638	0.7766	0.0381	0.1584
drybean	0.9251	0.0214	0.9251	0.9093	0.1238
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9091	0.0909	0.9091	0.3529	0.6260
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1845	0.1019	0.1845	0.0530	0.3910
eeg-eye	0.6382	0.3618	0.6382	0.2107	0.5196
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.7000	0.3000	0.7000	0.2000	0.6270
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5436	0.6650
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7448	0.4840
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5549	0.3126
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
fbis-wc	0.2846	0.0842	0.2846	0.1150	0.3096
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.3000	0.1750	0.3000	0.0071	0.3131
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4217	0.0076	0.4217	0.3665	0.2667
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9216	0.0261	0.9216	0.9052	0.0838
gastrointestinal	0.8750	0.0833	0.8750	0.7881	0.1526
gender	0.5895	0.2737	0.5895	0.0039	0.3341
gene	0.9306	0.0463	0.9306	0.8891	0.1886
german	0.7500	0.2500	0.7500	0.3719	0.6479
gina	0.8588	0.1412	0.8588	0.7165	0.4951
glass	0.7619	0.0794	0.7619	0.6557	0.2078
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.9048	0.0952	0.9048	0.7857	0.4436
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	1.0000	0.0000	1.0000	1.0000	0.0000
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1615	0.5810
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.8381	0.0270	0.8381	0.8081	0.1188
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.3796	0.8165
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	0.9231	0.0769	0.9231	0.7547	0.2092
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higher	0.1429	0.2143	0.1429	-0.0244	0.3949
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8836	0.1164	0.8836	0.5182	0.5480
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.5556	0.2963	0.5556	0.1760	0.6568
htru2	0.9793	0.0207	0.9793	0.8675	0.1870
hypothyroid	0.9867	0.0066	0.9867	0.9164	0.0243
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6893	0.0239	0.6893	0.6769	0.1449
jm1	0.8127	0.1873	0.8127	0.0683	0.4209
javowels	0.9618	0.0085	0.9618	0.9568	0.0616
kc1	0.8768	0.1232	0.8768	0.3365	0.3867
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.1399
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3824	0.7363
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6977	0.0336	0.6977	0.6615	0.3231
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.4444	0.1852	0.4444	0.2242	0.3170
la2s-wc	0.5298	0.1567	0.5298	0.3487	0.2807
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.6471	0.0176	0.6471	0.6291	0.0725
led24	0.7000	0.0600	0.7000	0.6620	0.1230
lenses	0.6667	0.2222	0.6667	0.5000	0.1761
letter	0.7075	0.0225	0.7075	0.6961	0.1807
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.9167	0.0111	0.9167	0.9107	0.0376
liver	0.7941	0.2059	0.7941	0.5609	0.6703
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3077	0.8482
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4962	0.5038	0.4962	-0.0077	0.8744
magic04	0.8432	0.1568	0.8432	0.6275	0.4899
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7822	0.1452	0.7822	0.6676	0.4326
messidor	0.6174	0.3826	0.6174	0.2782	0.7403
meter-A	0.6250	0.3750	0.6250	0.3333	0.5283
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	1.0000	0.0000	1.0000	1.0000	0.0000
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-fou	0.8000	0.0400	0.8000	0.7778	0.1571
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0440
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1960
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0568
mfeat-zer	0.7250	0.0550	0.7250	0.6944	0.1920
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5000	0.2000	0.5000	0.3697	0.4710
mobile	0.7343	0.0095	0.7343	0.7294	0.0974

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	0.9818	0.0182	0.9818	0.9636	0.1051
monks-2	0.8033	0.1967	0.8033	0.4959	0.3833
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9409	0.0591	0.9409	0.7320	0.1651
mutagen_class_1	0.4706	0.5294	0.4706	-0.0588	1.0000
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9046
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6618	0.3382	0.6618	0.3235	0.7316
MUT_ci034254q-MACCS	0.7049	0.2951	0.7049	0.3993	0.8090
MUT_ci300400a	0.5915	0.4085	0.5915	0.0478	0.5301
MUT_ci300400a_cdk_ECFP2	0.5995	0.4005	0.5995	0.0475	0.5263
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9472	0.0528	0.9472	0.8943	0.2628
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
newspop	0.6183	0.3817	0.6183	0.2160	0.8769
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9481	0.0519	0.9481	0.8712	0.2954
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0173	0.6234
nursery	0.9977	0.0009	0.9977	0.9966	0.0069
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0783
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.5644	0.0871	0.5644	0.4838	0.2030
oh10-wc	0.4762	0.1048	0.4762	0.3882	0.3110
oh15-wc	0.5435	0.0913	0.5435	0.4618	0.2320
oh5-wc	0.4396	0.1121	0.4396	0.3396	0.2814
optdigits	0.9591	0.0082	0.9591	0.9545	0.0563
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6000	0.0200	0.6000	0.5897	0.1212
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9328	0.0672	0.9328	0.1787	0.1695
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9708	0.0117	0.9708	0.8192	0.1337
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9369	0.0631	0.9369	0.2096	0.1619
pcmac	0.5773	0.4227	0.5773	-0.0103	0.5851
pd	0.8289	0.1711	0.8289	0.4348	0.5007
pediatric-leukemia	0.7941	0.0588	0.7941	0.7473	0.1845
pendigits	0.9873	0.0025	0.9873	0.9858	0.0206
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8196	0.1804	0.8196	0.5937	0.6500
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.8626
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7465	0.4928
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9673	0.0327	0.9673	0.9310	0.1820
phoneme	0.8889	0.1111	0.8889	0.7198	0.4988
phy	0.6890	0.3110	0.6890	0.3777	0.8317
pima	0.7368	0.2632	0.7368	0.4081	0.7142

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.7222	0.2778	0.7222	0.0000	0.4246
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9459	0.0541	0.9459	-0.0020	0.2498
polish-5th	0.9374	0.0626	0.9374	0.1675	0.1608
polya	0.6465	0.3535	0.6465	0.0155	0.4774
popularity	0.6310	0.2460	0.6310	-0.0005	0.2961
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.7448	0.1021	0.7448	0.6807	0.2320
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8295
primary-tumor	0.4848	0.0468	0.4848	0.4174	0.2150
profb	0.7313	0.2687	0.7313	0.2299	0.4308
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
raisin	0.8778	0.1222	0.8778	0.7556	0.4709
re0-wc	0.4467	0.0851	0.4467	0.1046	0.2496
re1-wc	0.4398	0.0448	0.4398	0.3151	0.2173
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6343	0.3657	0.6343	0.2131	0.8979
satimage	0.8834	0.0389	0.8834	0.8551	0.1566
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9285	0.0715	0.9285	0.5775	0.5397
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5294	0.4706	0.5294	0.0588	0.9560
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.6309	0.3691	0.6309	0.3094	0.5189
segment	0.9654	0.0099	0.9654	0.9595	0.0491
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-3-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9887	0.0021	0.9887	0.9876	0.0186
shoppers	0.8954	0.1046	0.8954	0.5700	0.5763
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9708	0.0292	0.9708	0.7038	0.0927
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.3684	0.6316	0.3684	-0.2391	1.0000
solar-flare	0.7698	0.0767	0.7698	0.7043	0.1936
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9065	0.0935	0.9065	0.7970	0.3111
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.9143	0.0857	0.9143	0.7835	0.4068
spectrometer	0.3585	0.0267	0.3585	0.3096	0.1734
splice-EI	0.9748	0.0252	0.9748	0.9331	0.1912
splice-IE	0.9527	0.0473	0.9527	0.8720	0.3238
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8615	0.1385	0.8615	0.5552	0.6149

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8984	0.0677	0.8984	0.8348	0.2294
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.7385	0.2615	0.7385	0.3085	0.5030
steel-p	0.9333	0.0667	0.9333	0.3558	0.3699
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.6923	0.2051	0.6923	0.5094	0.3073
student-weekend	0.3692	0.2523	0.3692	0.0948	0.6307
student-workday	0.7031	0.1187	0.7031	0.1526	0.4028
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8611	0.1389	0.8611	0.5361	0.5479
texture	0.9764	0.0043	0.9764	0.9739	0.0306
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9684	0.0316	0.9684	0.9276	0.1262
tis	0.8743	0.1257	0.8743	0.6477	0.5545
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.7647	0.2353	0.7647	0.3929	0.4155
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6933	0.3067	0.6933	-0.0141	0.8877
trec11-wc	0.4878	0.1138	0.4878	0.3123	0.3124
trec12-wc	0.7097	0.0726	0.7097	0.6324	0.1312
trec21-wc	0.7879	0.0707	0.7879	0.4366	0.1287
trec23-wc	0.9048	0.0317	0.9048	0.8688	0.1244
trec31-wc	0.7312	0.0768	0.7312	0.6270	0.1678
trec41-wc	0.5568	0.0886	0.5568	0.4107	0.2029
trec45-wc	0.5652	0.0870	0.5652	0.4601	0.2213
tuandromd	0.9865	0.0135	0.9865	0.9582	0.1317
turkish	0.8250	0.0875	0.8250	0.7667	0.2672
urban	0.8209	0.0398	0.8209	0.7896	0.1738
vehicle	0.7738	0.1131	0.7738	0.6921	0.2140
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9070	0.0930	0.9070	0.8143	0.3926
vowel	0.6768	0.0588	0.6768	0.6444	0.1731
vowelZ	0.9293	0.0707	0.9293	0.3419	0.1774
wap-wc	0.3013	0.0699	0.3013	0.1235	0.3017
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8320	0.1120	0.8320	0.7480	0.3548
web-phishing	0.8519	0.0988	0.8519	0.7349	0.4100
weight-lift	0.4278	0.2289	0.4278	0.2167	0.3268
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8011	0.1818
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6541	0.1153	0.6541	0.4230	0.2909
winequality-white	0.5092	0.1402	0.5092	0.1760	0.3765
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.5946	0.0811	0.5946	0.4811	0.3065

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9333	0.0133	0.9333	0.9253	0.1013
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 210: Detailed results for HistGradientBoostingTrees (30)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1199	0.0607	0.1199	0.0146	0.3711
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9822	0.0178	0.9822	0.3214	0.4776
ads	0.9787	0.0213	0.9787	0.9073	0.1433
adult	0.8690	0.1310	0.8690	0.6114	0.5645
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8381	0.1619	0.8381	0.2947	0.6359
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9972	0.0028	0.9972	-0.0003	0.0835
AID373red	0.9960	0.0040	0.9960	-0.0015	0.3168
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3127	0.8572
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9993	0.0007	0.9993	0.8849	0.0042
AID604AID644_AllRed	0.9950	0.0050	0.9950	0.1162	0.2998
AID644Morered	0.5500	0.4500	0.5500	-0.1250	0.9680
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9921	0.0079	0.9921	-0.0011	0.1101
AID687red	0.9967	0.0033	0.9967	0.1527	0.4284
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9963	0.0037	0.9963	-0.0015	0.3396
AID746red	0.9943	0.0057	0.9943	0.1891	0.2321
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9917	0.0042	0.9917	0.9841	0.0246
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9917	0.0021	0.9917	0.9863	0.0450
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0191
aps-failure	0.9929	0.0071	0.9929	0.7821	0.2744
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7556	0.0376	0.7556	0.6087	0.2555
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6522	0.0290	0.6522	0.5938	0.0929
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8000	0.1294
avila	0.9732	0.0045	0.9732	0.9650	0.0723
balance	0.8710	0.0860	0.8710	0.7735	0.3032
bank	0.9143	0.0857	0.9143	0.5443	0.5771
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7942	0.3816
basehock	0.9648	0.0352	0.9648	0.9297	0.1892
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1595
bridges	0.6000	0.1143	0.6000	0.4667	0.1012
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8873	0.0225	0.8873	0.8650	0.1277
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8677	0.1902
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7260	0.2722
cas_N6512_cdk_ECFP2	0.7665	0.2335	0.7665	0.5290	0.7244
census10%	0.9545	0.0455	0.9545	0.4990	0.4550
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9302	0.0698	0.9302	0.2229	0.5285
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4057	0.7969
cirrhosis	0.8095	0.1270	0.8095	0.6056	0.2977
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8657	0.0671	0.8657	0.7910	0.2969
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5714	0.2857	0.5714	0.3248	0.6744
cnae-9	0.8611	0.0309	0.8611	0.8438	0.1399
codon_usage	0.8780	0.0222	0.8780	0.8514	0.2460
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9800	0.0027	0.9800	0.9780	0.0067
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.7241	0.2759	0.7241	0.4171	0.7845
colposcopies-2	0.7586	0.2414	0.7586	0.4377	0.6462
colposcopies-3	0.5862	0.4138	0.5862	0.1471	0.9416
colposcopies-4	0.8621	0.1379	0.8621	0.5915	0.3064
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9988	0.0008	0.9988	0.9726	0.0036
cottonmeloidogyne	0.7837	0.2163	0.7837	0.5675	0.6913

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7484	0.2516	0.7484	0.4800	0.7516
covtypeCD	0.9950	0.0050	0.9950	0.9788	0.0593
covtypeT	0.9870	0.0130	0.9870	0.8994	0.2258
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5475	0.5986
crowdsourced	0.9650	0.0117	0.9650	0.9279	0.0888
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.4062	0.0297	0.4062	0.3896	0.0783
cyclopentane	0.5926	0.4074	0.5926	0.1681	0.9372
cylinder-bands	0.7963	0.2037	0.7963	0.5858	0.6749
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8303	0.1697	0.8303	0.4183	0.6386
deposit	0.9069	0.0931	0.9069	0.5069	0.5905
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4839	0.2059
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4676	0.7578
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5747	0.2836	0.5747	0.1951	0.6140
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7743	0.1505	0.7743	0.6251	0.4619
drug-01	0.2819	0.2052	0.2819	-0.0505	0.7154
drug-02	0.4894	0.1459	0.4894	0.1221	0.6326
drug-03	0.6223	0.1079	0.6223	0.0221	0.4890
drug-04	0.4574	0.1550	0.4574	0.0666	0.7687
drug-05	0.7128	0.0821	0.7128	0.0040	0.3472
drug-06	0.3564	0.1839	0.3564	0.1993	0.6315
drug-07	0.4096	0.1687	0.4096	0.0429	0.5024
drug-08	0.5266	0.1353	0.5266	0.1547	0.5797
drug-09	0.8670	0.0380	0.8670	0.1172	0.3114
drug-10	0.5372	0.1322	0.5372	0.2020	0.5933
drug-11	0.8245	0.0502	0.8245	0.0638	0.4747
drug-12	0.7713	0.0654	0.7713	0.0580	0.4485
drug-13	0.6117	0.1109	0.6117	0.2811	0.4313
drug-14	0.5691	0.1231	0.5691	0.2531	0.6329
drug-15	0.7553	0.0699	0.7553	0.1924	0.5549
drug-16	0.5532	0.1277	0.5532	0.2719	0.5433
drug-17	0.3457	0.1869	0.3457	0.1384	0.7376
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.1458	0.4309
drybean	0.9251	0.0214	0.9251	0.9094	0.1186
ecoli	0.7647	0.0588	0.7647	0.6695	0.1715
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.5756	0.0531	0.5756	0.5293	0.5144
eeg-eye	0.8932	0.1068	0.8932	0.7824	0.4378
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7407	0.4940
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6849	0.1260	0.6849	0.5918	0.3434
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8943	0.0124	0.8943	0.8801	0.0611
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6845	0.0975
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4109	0.0076	0.4119	0.3494	0.2669
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9942	0.0019	0.9942	0.9930	0.0138
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5516	0.2989	0.5516	0.0716	0.6288
gene	0.9495	0.0336	0.9495	0.9190	0.1531
german	0.7000	0.3000	0.7000	0.2405	0.7630
gina	0.9568	0.0432	0.9568	0.9136	0.2321
glass	0.7619	0.0794	0.7619	0.6698	0.2551
glassBWFP	0.7619	0.2381	0.7619	0.4560	0.6789
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1768	0.5058
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.4977	0.0837	0.4977	0.4046	0.5783
hayes-roth	0.5625	0.2917	0.5625	0.3212	0.6135
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higher	0.2857	0.1786	0.2857	0.1411	0.3168
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9207	0.0793	0.9207	0.6969	0.4458
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6944	0.2037	0.6944	0.4560	0.5235
htru2	0.9782	0.0218	0.9782	0.8650	0.2526
hypothyroid	0.9947	0.0027	0.9947	0.9680	0.0164
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6949	0.3051	0.6949	0.1690	0.8638
immuno-therapy	0.6667	0.3333	0.6667	-0.1739	0.9159
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9281	0.0055	0.9281	0.9252	0.0667
jm1	0.8274	0.1726	0.8274	0.2752	0.6274
jvowels	0.9930	0.0016	0.9930	0.9920	0.0132
kc1	0.8720	0.1280	0.8720	0.3665	0.5495
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.0522
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8462	0.1538	0.8462	0.4680	0.6202
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6239	0.0418	0.6239	0.5783	0.4037
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.9079	0.0307	0.9079	0.8836	0.1584
la2s-wc	0.9172	0.0276	0.9172	0.8956	0.1598
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6304	0.0726
led24	0.6500	0.0700	0.6500	0.6067	0.1603
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9650	0.0027	0.9650	0.9636	0.0415
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0673
liver	0.7941	0.2059	0.7941	0.5182	0.7036
lrs	0.8302	0.0340	0.8302	0.7633	0.1039
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.8423	0.1577	0.8423	0.6846	0.5760
magic04	0.8874	0.1126	0.8874	0.7468	0.4671
mammography	0.7812	0.2188	0.7812	0.5636	0.6896
MAO_MACCS	0.7143	0.2857	0.7143	0.4167	0.8058
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.7217	0.2783	0.7217	0.4232	0.7872
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0379
mfeat-fou	0.8350	0.0330	0.8350	0.8167	0.1416
mfeat-kar	0.9750	0.0050	0.9750	0.9722	0.0315
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2087
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-zer	0.7950	0.0410	0.7950	0.7722	0.1195
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4601
mobile	0.9021	0.0035	0.9021	0.9003	0.0454

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9848	0.0152	0.9848	0.9396	0.0605
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6623
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4661	0.7605
MUT_ci300400a	0.8509	0.1491	0.8509	0.6936	0.5614
MUT_ci300400a_cdk_ECFP2	0.8118	0.1882	0.8118	0.6099	0.6460
myocardial	0.8882	0.0279	0.8882	0.4439	0.0935
naticusdroid	0.9693	0.0307	0.9693	0.9386	0.1847
nci9	0.8333	0.0370	0.8333	0.8000	0.0440
newspop	0.6753	0.3247	0.6753	0.3441	0.8501
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9681	0.0319	0.9681	0.9217	0.2151
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0630	0.7868
nursery	0.9614	0.0154	0.9614	0.9440	0.2149
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0783
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.8713	0.0257	0.8713	0.8523	0.1168
oh10-wc	0.7810	0.0438	0.7810	0.7514	0.2080
oh15-wc	0.8152	0.0370	0.8152	0.7897	0.1760
oh5-wc	0.8022	0.0396	0.8022	0.7759	0.1789
optdigits	0.9662	0.0068	0.9662	0.9624	0.0483
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9378	0.0249	0.9378	0.6536	0.4616
pah.atompair_fp	0.8000	0.2000	0.8000	0.5455	0.4011
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4794	0.5206	0.4794	-0.1031	1.0000
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9945	0.0011	0.9945	0.9939	0.0103
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6504	0.5924
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9755	0.0245	0.9755	0.9482	0.1381
phoneme	0.9111	0.0889	0.9111	0.7820	0.4451
phy	0.7382	0.2618	0.7382	0.4764	0.7679
pima	0.7368	0.2632	0.7368	0.4225	0.7566

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.5556	0.4444	0.5556	-0.1077	0.9442
polish-1st	0.9815	0.0185	0.9815	0.6744	0.0639
polish-2nd	0.9744	0.0256	0.9744	0.5550	0.2909
polish-3rd	0.9619	0.0381	0.9619	0.4278	0.3976
polish-4th	0.9724	0.0276	0.9724	0.6892	0.3547
polish-5th	0.9712	0.0288	0.9712	0.7389	0.2318
polya	0.8000	0.2000	0.8000	0.5556	0.6801
popularity	0.6845	0.2103	0.6845	0.2680	0.4794
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9971	0.0012	0.9971	0.9963	0.0095
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.3939	0.0551	0.3939	0.3333	0.2536
profb	0.7015	0.2985	0.7015	0.2725	0.8402
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8733	0.0195	0.8733	0.8368	0.1644
re1-wc	0.8313	0.0135	0.8313	0.8075	0.1321
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7068	0.2932	0.7068	0.3937	0.8178
satimage	0.9160	0.0280	0.9160	0.8964	0.1431
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9518	0.0482	0.9518	0.7089	0.3925
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9997	0.0003	0.9997	0.9993	0.0042
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9341	0.0659	0.9341	0.2346	0.5292
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sens-2-gram	0.8737	0.1263	0.8737	0.1412	0.4751
sens-3-gram	0.8868	0.1132	0.8868	0.2783	0.4458
sens-4-gram	0.8763	0.1237	0.8763	0.1701	0.4692
sensorless	0.9985	0.0003	0.9985	0.9983	0.0035
shoppers	0.8986	0.1014	0.8986	0.5775	0.5598
shuttle	0.9969	0.0009	0.9969	0.9913	0.0896
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7626	0.0791	0.7626	0.6972	0.2261
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9478	0.0522	0.9478	0.8909	0.2817
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.5849	0.0173	0.5849	0.5610	0.1156
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9495	0.0505	0.9495	0.8615	0.3301
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	0.6000	0.2667	0.6000	0.3750	0.4000
squash-unstored	0.4000	0.4000	0.4000	0.0000	0.2619
steel-b	0.9026	0.0974	0.9026	0.6929	0.4949

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.9132	0.0578	0.9132	0.8590	0.2125
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8308	0.1692	0.8308	0.6129	0.6066
steel-p	0.9333	0.0667	0.9333	0.4840	0.5404
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.3692	0.2523	0.3692	0.1364	0.6789
student-workday	0.7031	0.1187	0.7031	0.2205	0.3434
swarm_aligned	0.9996	0.0004	0.9996	0.9990	0.0035
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9836	0.0030	0.9836	0.9820	0.0255
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9211	0.0789	0.9211	0.8131	0.4145
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9342	0.0658	0.9342	0.8163	0.3404
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5342	0.2560
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.5882	0.4118	0.5882	0.0630	0.9501
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.1398	0.9213
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9659	0.0068	0.9659	0.9583	0.0329
trec45-wc	0.9855	0.0029	0.9855	0.9831	0.0066
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.6750	0.1625	0.6750	0.5667	0.3549
urban	0.8657	0.0299	0.8657	0.8430	0.1242
vehicle	0.7738	0.1131	0.7738	0.6947	0.2074
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5758	0.0771	0.5758	0.5333	0.2090
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
wap-wc	0.8526	0.0147	0.8526	0.8351	0.1173
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
waveform	0.8340	0.1107	0.8340	0.7510	0.3783
web-phishing	0.8667	0.0889	0.8667	0.7628	0.3790
weight-lift	0.9987	0.0005	0.9987	0.9984	0.0047
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7233	0.0922	0.7233	0.5516	0.3112
winequality-white	0.6830	0.0906	0.6830	0.5162	0.3513
yale	0.6250	0.0500	0.6250	0.6000	0.0873
yeast	0.5811	0.0838	0.5811	0.4579	0.3870

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9581	0.0084	0.9581	0.9530	0.0687
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 211: Detailed results for HybridGB (30)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1415	0.0592	0.1415	0.0573	0.5644
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9847	0.0153	0.9847	0.3050	0.2445
ads	0.9726	0.0274	0.9726	0.8785	0.1617
adult	0.8661	0.1339	0.8661	0.5933	0.5558
AID1284Morered	0.8056	0.1944	0.8056	-0.0862	0.8010
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8286	0.1714	0.8286	0.1888	0.6032
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9926	0.0074	0.9926	-0.0003	0.0336
AID373red	0.9946	0.0054	0.9946	-0.0016	0.2489
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6216	0.3784	0.6216	0.1981	0.9151
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9966	0.0034	0.9966	0.1076	0.1562
AID604AID644_AllRed	0.9988	0.0012	0.9988	0.2217	0.4869
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.5500	0.4500	0.5500	-0.0227	0.9383
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9946	0.0054	0.9946	-0.0011	0.1546
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9965	0.0035	0.9965	0.0856	0.3689
AID746red	0.9938	0.0062	0.9938	-0.0003	0.1661
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9663	0.0135	0.9663	0.9297	0.1089
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9791	0.0104	0.9791	0.9601	0.0528
anuran-f-b	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-genus	0.9777	0.0056	0.9777	0.9632	0.0711
anuran-species	0.9819	0.0036	0.9819	0.9748	0.0259
aps-failure	0.9921	0.0079	0.9921	0.7461	0.2540
arcene	0.9000	0.1000	0.9000	0.7826	0.2846
arrhythmia	0.8444	0.0239	0.8444	0.7512	0.1348
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7473	0.0705
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9698	0.0050	0.9698	0.9607	0.1140
balance	0.8871	0.0753	0.8871	0.7927	0.2697
bank	0.9153	0.0847	0.9153	0.5393	0.5682
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8940	0.1060	0.8940	0.7585	0.3716
basehock	0.9447	0.0553	0.9447	0.8895	0.2663
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7857	0.2143	0.7857	0.3824	0.6553
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7143	0.1393
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.5957	0.5032
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9713	0.0144	0.9713	0.9391	0.1483
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8732	0.0254	0.8732	0.8480	0.1530
cardiotocography-nsp	0.9484	0.0344	0.9484	0.8506	0.1404
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7674	0.2643
cas_N6512_cdk_ECFP2	0.7312	0.2688	0.7312	0.4610	0.7775
census10%	0.9549	0.0451	0.9549	0.4588	0.3821
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.7970	0.3704
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3455	0.8195
cirrhosis	0.8333	0.1111	0.8333	0.6517	0.2125
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.7981	0.1009	0.7981	0.6739	0.3038
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5850	0.2766	0.5850	0.3477	0.6527
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0687
codon_usage	0.9110	0.0162	0.9110	0.8913	0.1150
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7241	0.2759	0.7241	0.3895	0.8063
colposcopies-2	0.7241	0.2759	0.7241	0.3176	0.4472
colposcopies-3	0.5517	0.4483	0.5517	0.0407	0.9707
colposcopies-4	0.7931	0.2069	0.7931	0.3256	0.3750
colposcopies-5	0.7586	0.2414	0.7586	-0.1093	0.8449
colposcopies-6	0.8276	0.1724	0.8276	0.6523	0.5548
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	0.9905	0.0063	0.9905	0.7343	0.0213
cottonmeloidogyne	0.7861	0.2139	0.7861	0.5723	0.6865

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7468	0.2532	0.7468	0.4739	0.7485
covtypeCD	0.9866	0.0134	0.9866	0.9422	0.1311
covtypeT	0.9797	0.0203	0.9797	0.8345	0.2517
cox2_cdk_ECFP2	0.8913	0.1087	0.8913	0.6048	0.4821
crowdsourced	0.9465	0.0178	0.9465	0.8884	0.1069
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5176	0.0653
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7963	0.2037	0.7963	0.5811	0.6753
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8313	0.1687	0.8313	0.4154	0.6267
deposit	0.9031	0.0969	0.9031	0.4314	0.5717
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5236	0.7134
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5776	0.2816	0.5776	0.1701	0.5698
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7675	0.1550	0.7675	0.6086	0.4593
drug-01	0.3457	0.1869	0.3457	0.0072	0.6760
drug-02	0.5000	0.1429	0.5000	0.1234	0.6097
drug-03	0.6702	0.0942	0.6702	0.0702	0.3868
drug-04	0.4894	0.1459	0.4894	0.0920	0.6794
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4149	0.1672	0.4149	0.2588	0.5389
drug-07	0.4149	0.1672	0.4149	0.0310	0.4586
drug-08	0.5479	0.1292	0.5479	0.1644	0.5351
drug-09	0.8777	0.0350	0.8777	0.1368	0.1008
drug-10	0.5585	0.1261	0.5585	0.1955	0.4792
drug-11	0.8298	0.0486	0.8298	-0.0242	0.4375
drug-12	0.7819	0.0623	0.7819	-0.0137	0.2547
drug-13	0.6064	0.1125	0.6064	0.2245	0.3828
drug-14	0.6064	0.1125	0.6064	0.3279	0.5286
drug-15	0.7553	0.0699	0.7553	0.0914	0.4239
drug-16	0.5798	0.1201	0.5798	0.2964	0.4841
drug-17	0.3670	0.1809	0.3670	0.1350	0.6747
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7766	0.0638	0.7766	0.1207	0.2777
drybean	0.9317	0.0195	0.9317	0.9173	0.1125
ecoli	0.8235	0.0441	0.8235	0.7481	0.0804
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5321	0.0585	0.5321	0.4805	0.5542
eeg-eye	0.8344	0.1656	0.8344	0.6616	0.5811
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4144	0.7069
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7407	0.4940
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9839	0.0161	0.9839	0.7919	0.0579
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6849	0.1260	0.6849	0.5921	0.3404
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8659	0.0158	0.8659	0.8471	0.0838
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.8000	0.0500	0.8000	0.7394	0.1123
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.3972	0.0078	0.3995	0.3499	0.2560
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9921	0.0026	0.9921	0.9904	0.0191
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.5874	0.2751	0.5874	0.1083	0.5428
gene	0.9464	0.0358	0.9464	0.9140	0.1567
german	0.7400	0.2600	0.7400	0.3516	0.6934
gina	0.9481	0.0519	0.9481	0.8962	0.2731
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.7619	0.2381	0.7619	0.4828	0.7425
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4850
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9643	0.0059	0.9643	0.9578	0.0390
hayes-roth	0.6875	0.2083	0.6875	0.4937	0.3509
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higher	0.3571	0.1607	0.3571	0.2222	0.2384
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.8954	0.1046	0.8954	0.5483	0.4428
hiva	0.9645	0.0355	0.9645	0.1986	0.4361
horse	0.7222	0.1852	0.7222	0.5142	0.4924
htru2	0.9804	0.0196	0.9804	0.8782	0.2211
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7119	0.2881	0.7119	0.1995	0.8360
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9320	0.1146
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.8999	0.0077	0.8999	0.8959	0.0887
jm1	0.8154	0.1846	0.8154	0.1681	0.6055
lvowels	0.9679	0.0071	0.9679	0.9636	0.0532
kc1	0.8578	0.1422	0.8578	0.2603	0.5801
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.0675
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6970	0.0337	0.6970	0.6607	0.3087
krvskp	0.9781	0.0219	0.9781	0.9561	0.1358
la1s-wc	0.8794	0.0402	0.8794	0.8472	0.2067
la2s-wc	0.9040	0.0320	0.9040	0.8785	0.1640
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7231	0.0410
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9390	0.0047	0.9390	0.9365	0.0707
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7616	0.1031
liver	0.8235	0.1765	0.8235	0.5968	0.6488
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.7692	0.2308	0.7692	0.5517	0.5112
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0746
madelon	0.8346	0.1654	0.8346	0.6692	0.5947
magic04	0.8743	0.1257	0.8743	0.7127	0.4822
mammography	0.8229	0.1771	0.8229	0.6440	0.6197
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7723	0.1518	0.7723	0.6525	0.4395
messidor	0.6696	0.3304	0.6696	0.3277	0.8607
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9500	0.0100	0.9500	0.9444	0.0606
mfeat-fou	0.8450	0.0310	0.8450	0.8278	0.1291
mfeat-kar	0.9450	0.0110	0.9450	0.9389	0.0696
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2110
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0544
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1321
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.4412	0.2235	0.4412	0.3001	0.5420
mobile	0.8916	0.0039	0.8916	0.8896	0.0504

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9016	0.0984	0.9016	0.7771	0.4287
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9561	0.0439	0.9561	0.8098	0.1343
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7265
MUT_ci034254q-MACCS	0.6885	0.3115	0.6885	0.3711	0.8369
MUT_ci300400a	0.8296	0.1704	0.8296	0.6513	0.6106
MUT_ci300400a_cdk_ECFP2	0.7890	0.2110	0.7890	0.5650	0.6909
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9639	0.0361	0.9639	0.9277	0.2068
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
newspop	0.6708	0.3292	0.6708	0.3345	0.8550
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9556	0.0444	0.9556	0.8902	0.2648
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0558	0.5514
nursery	0.9792	0.0083	0.9792	0.9696	0.1029
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0907
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9010	0.0198	0.9010	0.8867	0.1003
oh10-wc	0.8000	0.0400	0.8000	0.7718	0.1717
oh15-wc	0.8804	0.0239	0.8804	0.8639	0.1180
oh5-wc	0.8352	0.0330	0.8352	0.8134	0.1449
optdigits	0.9591	0.0082	0.9591	0.9545	0.0599
optdigitsZ	0.9964	0.0036	0.9964	0.9780	0.0762
orl	0.8500	0.0075	0.8500	0.8462	0.0281
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8971	0.2900
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.4897	0.5103	0.4897	-0.1175	1.0000
pd	0.9211	0.0789	0.9211	0.7647	0.2161
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9909	0.0018	0.9909	0.9899	0.0171
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6530	0.5950
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8682
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7621	0.4761
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7000	0.3000	0.7000	0.4000	0.7967
phishing	0.9592	0.0408	0.9592	0.9140	0.2301
phoneme	0.8981	0.1019	0.8981	0.7517	0.4862
phy	0.7368	0.2632	0.7368	0.4735	0.7692
pima	0.7500	0.2500	0.7500	0.4480	0.7236

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
polish-1st	0.9815	0.0185	0.9815	0.6744	0.0639
polish-2nd	0.9725	0.0275	0.9725	0.4516	0.0868
polish-3rd	0.9638	0.0362	0.9638	0.4267	0.2996
polish-4th	0.9735	0.0265	0.9735	0.6774	0.2495
polish-5th	0.9712	0.0288	0.9712	0.7457	0.2724
polya	0.7978	0.2022	0.7978	0.5452	0.6781
popularity	0.6827	0.2115	0.6827	0.2575	0.4480
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9837	0.0065	0.9837	0.9797	0.0434
pred-tox_mutagen_ref-desc	0.7059	0.2941	0.7059	0.4118	0.8115
primary-tumor	0.4242	0.0523	0.4242	0.3673	0.2074
profb	0.6866	0.3134	0.6866	0.2456	0.8615
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4596
re0-wc	0.8733	0.0195	0.8733	0.8371	0.1707
re1-wc	0.8494	0.0120	0.8494	0.8282	0.1131
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6749	0.3251	0.6749	0.3201	0.8587
satimage	0.9098	0.0301	0.9098	0.8888	0.1534
satimageF	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT	0.9440	0.0560	0.9440	0.6432	0.4034
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9903	0.0097	0.9903	0.9804	0.0751
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9302	0.0698	0.9302	0.0819	0.4920
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram	0.8789	0.1211	0.8789	0.1547	0.3573
sens-3-gram	0.8763	0.1237	0.8763	0.1479	0.4234
sens-4-gram	0.8711	0.1289	0.8711	0.1567	0.5469
sensorless	0.9974	0.0005	0.9974	0.9972	0.0056
shoppers	0.8954	0.1046	0.8954	0.5598	0.5680
shuttle	0.9840	0.0046	0.9840	0.9560	0.1427
sick	0.9867	0.0133	0.9867	0.8819	0.0504
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7842	0.0719	0.7842	0.7229	0.1692
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9391	0.0609	0.9391	0.8725	0.3126
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5660	0.0181	0.5660	0.5416	0.1189
splice-EI	0.9685	0.0315	0.9685	0.9178	0.2408
splice-IE	0.9495	0.0505	0.9495	0.8590	0.3148
sport-articles	0.8400	0.1600	0.8400	0.6490	0.5884
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8821	0.1179	0.8821	0.6211	0.5536

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.8964	0.0691	0.8964	0.8318	0.2400
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8103	0.1897	0.8103	0.5750	0.6644
steel-p	0.9179	0.0821	0.9179	0.3853	0.6193
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.4000	0.2400	0.4000	0.1851	0.6532
student-workday	0.7031	0.1187	0.7031	0.2073	0.3236
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9782	0.0040	0.9782	0.9759	0.0333
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9230	0.0770	0.9230	0.7833	0.3799
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.6471	0.3529	0.6471	0.0893	0.8324
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.0540	0.9098
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.9032	0.0242	0.9032	0.8838	0.0884
trec21-wc	0.9394	0.0202	0.9394	0.8738	0.1141
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	0.9892	0.0031	0.9892	0.9856	0.0109
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9710	0.0058	0.9710	0.9661	0.0188
tuandromd	0.9843	0.0157	0.9843	0.9515	0.1548
turkish	0.7500	0.1250	0.7500	0.6667	0.2919
urban	0.8806	0.0265	0.8806	0.8604	0.1249
vehicle	0.7857	0.1071	0.7857	0.7114	0.2024
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8605	0.1395	0.8605	0.7220	0.4811
vowel	0.5657	0.0790	0.5657	0.5222	0.2317
vowelZ	0.9798	0.0202	0.9798	0.8642	0.0715
wap-wc	0.8397	0.0160	0.8397	0.8204	0.1221
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8560	0.0960	0.8560	0.7840	0.3432
web-phishing	0.8593	0.0938	0.8593	0.7522	0.4058
weight-lift	0.9985	0.0006	0.9985	0.9981	0.0056
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9876	0.0124	0.9876	0.8631	0.2308
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6918	0.1027	0.6918	0.4975	0.3447
winequality-white	0.6115	0.1110	0.6115	0.3955	0.4404
yale	0.6875	0.0417	0.6875	0.6653	0.0797
yeast	0.6014	0.0797	0.6014	0.4836	0.3863

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9495	0.0101	0.9495	0.9434	0.0820
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 212: Detailed results for DiscreteAdaBoost(ova) (30)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1055	0.0617	0.1055	0.0226	0.4700
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9816	0.0184	0.9816	0.2065	0.4419
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8608	0.1392	0.8608	0.5785	0.5756
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	-0.0075	0.7914
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7027	0.2973	0.7027	0.3898	0.8195
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9972	0.0028	0.9972	0.3407	0.0134
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0616	0.1489
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9935	0.0065	0.9935	0.1679	0.4321
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9654	0.0418
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9861	0.0035	0.9861	0.9771	0.0607
anuran-species	0.9861	0.0028	0.9861	0.9807	0.0211
aps-failure	0.9901	0.0099	0.9901	0.6366	0.1650
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7778	0.0342	0.7778	0.6394	0.2412
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8519	0.0247	0.8519	0.8033	0.1009
balance	0.7742	0.1505	0.7742	0.6169	0.3912
bank	0.9075	0.0925	0.9075	0.5169	0.6035
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8502	0.1498	0.8502	0.6521	0.4741
basehock	0.9899	0.0100	0.9899	0.9799	0.0768
biodeg	0.8762	0.1238	0.8762	0.7412	0.5090
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.6429	0.3571	0.6429	0.1860	0.8702
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9828	0.0086	0.9828	0.9631	0.0552
card	0.8406	0.1594	0.8406	0.6681	0.5759
cardiotocography	0.8685	0.0263	0.8685	0.8426	0.1571
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7658	0.3425
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2602
cas_N6512_cdk_ECFP2	0.6068	0.3932	0.6068	0.1713	0.8007
census10%	0.9482	0.0518	0.9482	0.3872	0.4778
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6716	0.5255
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3653	0.8006
cirrhosis	0.7857	0.1429	0.7857	0.5714	0.4253
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8167	0.0917	0.8167	0.7132	0.3663
climate	0.9444	0.0556	0.9444	0.5424	0.5131
cll_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5374	0.3084	0.5374	0.2750	0.7120
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0471
codon_usage	0.8511	0.0271	0.8511	0.8181	0.1963
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5172	0.4828	0.5172	-0.1215	0.9927
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6207	0.3793	0.6207	0.1883	0.9101
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6552	0.3448	0.6552	0.2995	0.7967
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9997	0.0002	0.9997	0.9933	0.0011
cottonmeloidogyne	0.6082	0.3918	0.6082	0.2114	0.7357

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7453	0.2547	0.7453	0.4720	0.7542
covtypeCD	0.9766	0.0234	0.9766	0.8996	0.2256
covtypeT	0.9784	0.0216	0.9784	0.8315	0.3151
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.8977	0.0341	0.8977	0.7799	0.2013
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5171	0.0683
cyclopentane	0.5926	0.4074	0.5926	0.1681	0.9372
cylinder-bands	0.7593	0.2407	0.7593	0.4876	0.6885
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.8462	0.1538	0.8462	-0.0833	0.6910
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8253	0.1747	0.8253	0.3819	0.6290
deposit	0.8974	0.1026	0.8974	0.4071	0.6037
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5695	0.6336
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5413	0.3058	0.5413	0.0134	0.4016
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7291	0.1806	0.7291	0.5292	0.4766
drug-01	0.3404	0.1885	0.3404	0.0446	0.7491
drug-02	0.4840	0.1474	0.4840	0.1920	0.7673
drug-03	0.6596	0.0973	0.6596	0.0140	0.4556
drug-04	0.4681	0.1520	0.4681	0.0977	0.7236
drug-05	0.7074	0.0836	0.7074	0.0032	0.3781
drug-06	0.3936	0.1733	0.3936	0.2383	0.5941
drug-07	0.3777	0.1778	0.3777	-0.0263	0.5952
drug-08	0.5266	0.1353	0.5266	0.1430	0.6417
drug-09	0.8511	0.0426	0.8511	-0.0204	0.3205
drug-10	0.5266	0.1353	0.5266	0.1862	0.5307
drug-11	0.8138	0.0532	0.8138	0.0527	0.6266
drug-12	0.7606	0.0684	0.7606	0.0121	0.3529
drug-13	0.6064	0.1125	0.6064	0.2728	0.6376
drug-14	0.5106	0.1398	0.5106	0.2091	0.6369
drug-15	0.7234	0.0790	0.7234	0.1623	0.6858
drug-16	0.6011	0.1140	0.6011	0.3856	0.4696
drug-17	0.2926	0.2021	0.2926	0.1290	0.8111
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7500	0.0714	0.7500	-0.0097	0.3440
drybean	0.9287	0.0204	0.9287	0.9138	0.1137
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.2197	0.0975	0.2197	0.1683	0.5892
eeg-eye	0.5948	0.4052	0.5948	0.1096	0.5909
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4583	0.7707
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8525	0.1475	0.8525	0.6695	0.5756
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9194	0.0806	0.9194	0.6608	0.4177
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6510	0.5977
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6301	0.1479	0.6301	0.5278	0.3433
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8415	0.0187	0.8415	0.8193	0.1045
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6774	0.1498
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4144	0.0077	0.4082	0.3455	0.2611
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9957	0.0014	0.9957	0.9948	0.0101
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.5874	0.2751	0.5874	0.0257	0.4770
gene	0.9369	0.0421	0.9369	0.8991	0.1779
german	0.6800	0.3200	0.6800	0.1774	0.7827
gina	0.8271	0.1729	0.8271	0.6529	0.5789
glass	0.8571	0.0476	0.8571	0.8025	0.1487
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4643	0.4044
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9698	0.0050	0.9698	0.9643	0.0321
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6637	0.5926
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higher	0.2857	0.1786	0.2857	0.1515	0.3446
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9123	0.0877	0.9123	0.6632	0.4805
hiva	0.9527	0.0473	0.9527	0.1439	0.6131
horse	0.6389	0.2407	0.6389	0.3352	0.5810
htru2	0.9782	0.0218	0.9782	0.8627	0.2293
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6949	0.3051	0.6949	0.0585	0.8104
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9166	0.0064	0.9166	0.9132	0.0717
jm1	0.8026	0.1974	0.8026	0.0422	0.5716
fvowels	0.9709	0.0065	0.9709	0.9670	0.0469
kc1	0.8626	0.1374	0.8626	0.3196	0.5977
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2708	0.1688
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9194	0.0090	0.9194	0.9100	0.1092
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8571	0.0476	0.8571	0.8195	0.2189
la2s-wc	0.8907	0.0364	0.8907	0.8612	0.1810
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6929	0.0457
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9285	0.0055	0.9285	0.9256	0.0819
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.9167	0.0111	0.9167	0.9106	0.0292
liver	0.6471	0.3529	0.6471	0.2635	0.8463
lrs	0.8491	0.0302	0.8491	0.7907	0.1068
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8400	0.0648
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.5077	0.4923	0.5077	0.0154	0.9953
magic04	0.7817	0.2183	0.7817	0.4543	0.5429
mammography	0.8021	0.1979	0.8021	0.6062	0.6403
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7740	0.3393
messidor	0.6435	0.3565	0.6435	0.3020	0.8424
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0316
mfeat-fou	0.8200	0.0360	0.8200	0.8000	0.1637
mfeat-kar	0.9600	0.0080	0.9600	0.9556	0.0507
mfeat-mor	0.7150	0.0570	0.7150	0.6833	0.1938
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0248
mfeat-zer	0.8050	0.0390	0.8050	0.7833	0.1320
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5882	0.1647	0.5882	0.4832	0.4159
mobile	0.9161	0.0030	0.9161	0.9146	0.0394

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8637	0.1942
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9785
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9303
mutagen_class_3	0.4493	0.5507	0.4493	-0.1101	0.9900
mutagens_ExtendedFingerprinter	0.7059	0.2941	0.7059	0.4118	0.7818
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.4981	0.7268
MUT_ci300400a	0.7068	0.2932	0.7068	0.4240	0.7653
MUT_ci300400a_cdk_ECFP2	0.6187	0.3813	0.6187	0.1091	0.6464
myocardial	0.8765	0.0309	0.8765	0.3990	0.1568
naticusdroid	0.9686	0.0314	0.9686	0.9373	0.1870
nci9	0.5000	0.1111	0.5000	0.4194	0.0729
newspop	0.5323	0.4677	0.5323	0.0001	0.5284
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9527	0.0473	0.9527	0.8842	0.2890
NPHA-doctor-visits	0.4167	0.3889	0.4167	0.0017	0.8168
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9951	0.0049	0.9951	0.9864	0.0616
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9109	0.0178	0.9109	0.8979	0.0841
oh10-wc	0.7333	0.0533	0.7333	0.6948	0.2520
oh15-wc	0.8478	0.0304	0.8478	0.8268	0.1452
oh5-wc	0.8242	0.0352	0.8242	0.8017	0.1803
optdigits	0.9733	0.0053	0.9733	0.9703	0.0377
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9250	0.0037	0.9250	0.9231	0.0126
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9486	0.0514	0.9486	-0.0224	0.6286
ozone8hr	0.9170	0.0830	0.9170	0.1860	0.6144
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8952	0.1333
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.4794	0.5206	0.4794	-0.0875	1.0000
pd	0.9079	0.0921	0.9079	0.7500	0.4624
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1257
pendigits	0.9927	0.0015	0.9927	0.9919	0.0135
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.7938	0.2062	0.7938	0.5121	0.6762
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6844	0.5493
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9755	0.0245	0.9755	0.9486	0.1605
phoneme	0.8148	0.1852	0.8148	0.5774	0.6549
phy	0.6286	0.3714	0.6286	0.2550	0.7878
pima	0.7500	0.2500	0.7500	0.4612	0.7515

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.5556	0.4444	0.5556	-0.1077	0.9442
polish-1st	0.9716	0.0284	0.9716	0.4872	0.3590
polish-2nd	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd	0.9486	0.0514	0.9486	0.0566	0.4658
polish-4th	0.9551	0.0449	0.9551	0.4288	0.4797
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6519	0.3481	0.6519	0.0444	0.5737
popularity	0.6310	0.2460	0.6310	0.0007	0.3210
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9608	0.0157	0.9608	0.9510	0.0863
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8237
primary-tumor	0.3030	0.0634	0.3030	0.2349	0.2687
profb	0.8060	0.1940	0.8060	0.5442	0.6746
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.4841
re0-wc	0.8333	0.0256	0.8333	0.7809	0.1866
re1-wc	0.8554	0.0116	0.8554	0.8344	0.0924
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5893	0.4107	0.5893	0.0020	0.6433
satimage	0.8942	0.0353	0.8942	0.8695	0.1645
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9005	0.0995	0.9005	0.0933	0.4078
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4706	0.5294	0.4706	-0.0588	0.9973
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6784	0.3216	0.6784	0.3914	0.5425
segment	0.9740	0.0074	0.9740	0.9696	0.0292
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9186	0.0814	0.9186	0.0544	0.6391
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram	0.8737	0.1263	0.8737	0.1180	0.4289
sens-3-gram	0.8711	0.1289	0.8711	0.0873	0.4343
sens-4-gram	0.8632	0.1368	0.8632	0.1584	0.6406
sensorless	0.9995	0.0001	0.9995	0.9994	0.0012
shoppers	0.8921	0.1079	0.8921	0.5419	0.5760
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8554	0.0582
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.5263	0.4737	0.5263	0.0447	0.9841
solar-flare	0.7770	0.0743	0.7770	0.7157	0.2158
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9087	0.0913	0.9087	0.8072	0.4061
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5094	0.0204	0.5094	0.4816	0.1275
splice-EI	0.9621	0.0379	0.9621	0.9029	0.2760
splice-IE	0.9495	0.0505	0.9495	0.8640	0.3386
sport-articles	0.8200	0.1800	0.8200	0.6095	0.6396
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.7846	0.2154	0.7846	0.0678	0.6510

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8864	0.0757	0.8864	0.8160	0.2541
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7026	0.2974	0.7026	0.2415	0.7510
steel-p	0.9436	0.0564	0.9436	0.5324	0.4232
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.5385	0.3077	0.5385	0.2909	0.5610
student-weekend	0.4308	0.2277	0.4308	0.2104	0.5974
student-workday	0.6562	0.1375	0.6562	0.1038	0.5956
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5691
Tdp_desc	0.8333	0.1667	0.8333	0.4706	0.6671
texture	0.9873	0.0023	0.9873	0.9860	0.0195
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8729	0.1272	0.8729	0.6397	0.5527
titanic	0.8273	0.1727	0.8273	0.5483	0.4541
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7617	0.1859
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.1398	0.9213
trec11-wc	0.8780	0.0271	0.8780	0.8509	0.1007
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8500	0.0750	0.8500	0.8000	0.2108
urban	0.8657	0.0299	0.8657	0.8427	0.1267
vehicle	0.7500	0.1250	0.7500	0.6608	0.2425
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6263	0.0680	0.6263	0.5889	0.1807
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
wap-wc	0.8269	0.0173	0.8269	0.8058	0.1096
warpar10p	0.7692	0.0462	0.7692	0.7383	0.0795
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.7480	0.1680	0.7480	0.6219	0.4957
web-phishing	0.8667	0.0889	0.8667	0.7659	0.3834
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8174	0.2978
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6101	0.1300	0.6101	0.3761	0.4114
winequality-white	0.4683	0.1519	0.4683	0.2535	0.6111
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.5068	0.0986	0.5068	0.3642	0.4242

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.9441	0.0112	0.9441	0.9373	0.0866
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 213: Detailed results for MultiBoost (30)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1775	0.0567	0.1775	0.0846	0.3806
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.4084	0.6173
accelerometer	0.9834	0.0166	0.9834	0.1291	0.0577
ads	0.9695	0.0305	0.9695	0.8663	0.2126
adult	0.8620	0.1380	0.8620	0.5761	0.5597
AID1284Morered	0.7500	0.2500	0.7500	0.0357	0.7748
AID1284red	0.7778	0.2222	0.7778	0.0710	0.7839
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	0.0458	0.8007
AID362red	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9992	0.0008	0.9992	0.2855	0.0047
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.6486	0.3514	0.6486	0.2473	0.8854
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9973	0.0027	0.9973	0.3801	0.0130
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.2045	0.8754
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0520	0.1628
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9653	0.0421
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9764	0.0059	0.9764	0.9609	0.0643
anuran-species	0.9847	0.0031	0.9847	0.9787	0.0272
aps-failure	0.9896	0.0104	0.9896	0.6277	0.2416
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5462	0.1975
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.7980	0.1121
avila	0.6148	0.0642	0.6148	0.4434	0.2543
balance	0.8065	0.1290	0.8065	0.6646	0.4032
bank	0.9051	0.0949	0.9051	0.3977	0.5525
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8318	0.1682	0.8318	0.6047	0.4997
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	0.9524	0.0476	0.9524	0.9014	0.2404
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.7273	0.2727	0.7273	0.4407	0.7677
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8551	0.1449	0.8551	0.7054	0.5520
cardiotocography	0.8357	0.0329	0.8357	0.8011	0.1493
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7622	0.3364
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8214	0.2460
cas_N6512_cdk_ECFP2	0.6083	0.3917	0.6083	0.1689	0.7312
census10%	0.9505	0.0495	0.9505	0.3872	0.4140
central-nervous-system	0.3333	0.6667	0.3333	-0.2000	0.9308
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9535	0.0465	0.9535	0.6446	0.1330
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6716	0.5255
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3225	0.7901
cirrhosis	0.7381	0.1746	0.7381	0.4628	0.3973
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8204	0.0898	0.8204	0.7222	0.4058
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cll_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5578	0.2948	0.5578	0.3052	0.6717
cnae-9	0.6667	0.0741	0.6667	0.6250	0.1547
codon_usage	0.6132	0.0703	0.6132	0.5220	0.2172
coil20	0.9861	0.0014	0.9861	0.9854	0.0101
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6552	0.3448	0.6552	0.1989	0.8928
colposcopies-2	0.6897	0.3103	0.6897	0.2770	0.7986
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7586	0.2414	0.7586	0.2509	0.6936
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4396	0.6621
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9874	0.0084	0.9874	0.6659	0.2541
cottonmeloidogyne	0.6370	0.3630	0.6370	0.2777	0.7492

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7248	0.2752	0.7248	0.4290	0.7852
covtypeCD	0.9811	0.0189	0.9811	0.9182	0.1754
covtypeT	0.9813	0.0187	0.9813	0.8515	0.2674
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8276	0.0575	0.8276	0.5944	0.2493
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.3750	0.0312	0.3750	0.3587	0.0913
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8250	0.1750	0.8250	0.3786	0.6271
deposit	0.9029	0.0971	0.9029	0.4340	0.5758
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2889	0.5108
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5857	0.4914
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6250	0.3750	0.6250	0.1940	0.9002
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7381	0.1746	0.7381	0.5540	0.4817
drug-01	0.3989	0.1717	0.3989	0.0078	0.3625
drug-02	0.5053	0.1413	0.5053	0.0056	0.3825
drug-03	0.6649	0.0957	0.6649	-0.0353	0.3585
drug-04	0.5213	0.1368	0.5213	0.0119	0.4419
drug-05	0.7287	0.0775	0.7287	-0.0064	0.2524
drug-06	0.3883	0.1748	0.3883	0.2097	0.4464
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5426	0.1307	0.5426	0.0247	0.4045
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5479	0.1292	0.5479	0.0433	0.3685
drug-11	0.8511	0.0426	0.8511	0.0549	0.2135
drug-12	0.7766	0.0638	0.7766	-0.0203	0.3219
drug-13	0.6117	0.1109	0.6117	0.2388	0.3428
drug-14	0.6064	0.1125	0.6064	0.1735	0.3362
drug-15	0.7660	0.0669	0.7660	0.0664	0.1851
drug-16	0.5957	0.1155	0.5957	0.3488	0.4293
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19	0.7713	0.0654	0.7713	0.0152	0.1593
drybean	0.9258	0.0212	0.9258	0.9101	0.1188
ecoli	0.8529	0.0368	0.8529	0.7959	0.1175
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1696	0.1038	0.1696	0.0331	0.3850
eeg-eye	0.5988	0.4012	0.5988	0.1187	0.5770
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.4935	0.7154
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	-0.0410	0.6643

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6585	0.5505
er_tox_rdkit_descriptors	0.8689	0.1311	0.8689	0.7028	0.5263
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.7869	0.2131	0.7869	0.5260	0.6945
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.7123	0.1151	0.7123	0.6240	0.2938
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
fbis-wc	0.6057	0.0464	0.6057	0.5400	0.2281
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6129	0.1609
fontaine_MACCS	0.9318	0.0682	0.9318	0.8546	0.3502
fonts10%	0.4073	0.0077	0.4073	0.3505	0.2615
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8591	0.0470	0.8591	0.8295	0.1652
gastrointestinal	0.7500	0.1667	0.7500	0.5924	0.3347
gender	0.5916	0.2723	0.5916	0.0103	0.3336
gene	0.9306	0.0463	0.9306	0.8891	0.1995
german	0.6200	0.3800	0.6200	0.0524	0.9119
gina	0.8530	0.1470	0.8530	0.7052	0.5320
glass	0.8095	0.0635	0.8095	0.7423	0.2203
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2727	0.5736
haberman	0.6667	0.3333	0.6667	0.0741	0.8997
hapt	0.9469	0.0088	0.9469	0.9373	0.0647
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.3014	0.8522
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8333	0.1667	0.8333	0.6667	0.5937
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	0.8571	0.1429	0.8571	0.6957	0.4644
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higher	0.2857	0.1786	0.2857	0.1463	0.3207
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9073	0.0927	0.9073	0.6392	0.4931
hiva	0.9598	0.0402	0.9598	0.1737	0.5500
horse	0.6111	0.2593	0.6111	0.3217	0.6273
htru2	0.9782	0.0218	0.9782	0.8635	0.2376
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7458	0.2542	0.7458	0.1976	0.6122
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionsphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.5469	0.0349	0.5469	0.5287	0.2163
jm1	0.8072	0.1928	0.8072	0.0568	0.5211
fvowels	0.8133	0.0415	0.8133	0.7880	0.2117
kc1	0.8673	0.1327	0.8673	0.3535	0.5873
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.0577	0.2448
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8438	0.0174	0.8438	0.8257	0.1962
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5111	0.1630	0.5111	0.3221	0.3162
la2s-wc	0.4967	0.1678	0.4967	0.2947	0.3296
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.6471	0.0176	0.6471	0.6298	0.0558
led24	0.7000	0.0600	0.7000	0.6620	0.1246
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4395	0.0431	0.4395	0.4177	0.2915
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8333	0.0222	0.8333	0.8209	0.0774
liver	0.7353	0.2647	0.7353	0.3806	0.7996
lrs	0.8491	0.0302	0.8491	0.7899	0.1215
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7938	0.1721
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8400	0.0648
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.4923	0.5077	0.4923	-0.0154	0.9853
magic04	0.7948	0.2052	0.7948	0.4933	0.5377
mammography	0.7708	0.2292	0.7708	0.5411	0.7155
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7132	0.3925
messidor	0.6000	0.4000	0.6000	0.2255	0.8659
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9450	0.0110	0.9450	0.9389	0.0627
mfeat-fou	0.7600	0.0480	0.7600	0.7333	0.1972
mfeat-kar	0.7750	0.0450	0.7750	0.7500	0.2069
mfeat-mor	0.7500	0.0500	0.7500	0.7222	0.1751
mfeat-pix	0.9550	0.0090	0.9550	0.9500	0.0565
mfeat-zer	0.7000	0.0600	0.7000	0.6667	0.2010
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5216	0.3466
mobile	0.4336	0.0202	0.4336	0.4233	0.2163

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9379	0.0621	0.9379	0.7156	0.1708
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9679
mutagen_class_2	0.5294	0.4706	0.5294	0.0588	0.6634
mutagen_class_3	0.5072	0.4928	0.5072	0.0076	0.9561
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7345
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4026	0.8148
MUT_ci300400a	0.6291	0.3709	0.6291	0.1544	0.6432
MUT_ci300400a_cdk_ECFP2	0.6043	0.3957	0.6043	0.0642	0.5837
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9673	0.0327	0.9673	0.9345	0.1932
nci9	0.6667	0.0741	0.6667	0.6129	0.0312
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9573	0.0427	0.9573	0.8950	0.2624
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0119	0.7256
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0673
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.5619	0.0876	0.5619	0.4956	0.2466
oh15-wc	0.5761	0.0848	0.5761	0.5033	0.2809
oh5-wc	0.4835	0.1033	0.4835	0.3947	0.2653
optdigits	0.9448	0.0110	0.9448	0.9387	0.0730
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6000	0.0200	0.6000	0.5897	0.1008
orlraws10P	0.9000	0.0200	0.9000	0.8889	0.0253
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9091	0.0909	0.9091	0.0456	0.6418
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8837	0.1370
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.5773	0.4227	0.5773	0.0254	0.8322
pd	0.9079	0.0921	0.9079	0.7407	0.4303
pediatric-leukemia	0.8235	0.0504	0.8235	0.7816	0.1214
pendigits	0.9882	0.0024	0.9882	0.9868	0.0202
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.8196	0.1804	0.8196	0.5937	0.6500
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9597
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7154	0.5228
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.3939	0.8228
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9796	0.0204	0.9796	0.9569	0.1229
phoneme	0.8296	0.1704	0.8296	0.6054	0.6359
phy	0.6344	0.3656	0.6344	0.2669	0.8082
pima	0.6711	0.3289	0.6711	0.2647	0.8408

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
polish-1st	0.9772	0.0228	0.9772	0.5694	0.0751
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9486	0.0514	0.9486	0.0258	0.4402
polish-4th	0.9582	0.0418	0.9582	0.4349	0.3983
polish-5th	0.9509	0.0491	0.9509	0.5162	0.4090
polya	0.6465	0.3535	0.6465	0.0188	0.5205
popularity	0.6310	0.2460	0.6310	-0.0003	0.3070
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.7196	0.1122	0.7196	0.6498	0.2631
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8608
primary-tumor	0.4545	0.0496	0.4545	0.3876	0.2036
profb	0.6567	0.3433	0.6567	0.1737	0.8953
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.9222	0.0778	0.9222	0.8444	0.3519
re0-wc	0.5000	0.0769	0.5000	0.2516	0.3494
re1-wc	0.5181	0.0386	0.5181	0.4222	0.1988
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5922	0.4078	0.5922	0.0039	0.5714
satimage	0.8445	0.0518	0.8445	0.8067	0.2027
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8942	0.1058	0.8942	0.1345	0.5810
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.6802	0.3198	0.6802	0.3943	0.5504
segment	0.9654	0.0099	0.9654	0.9595	0.0420
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9302	0.0698	0.9302	0.0819	0.4920
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8632	0.1368	0.8632	0.0179	0.4988
sens-3-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-4-gram	0.8632	0.1368	0.8632	-0.0102	0.4508
sensorless	0.9832	0.0030	0.9832	0.9816	0.0267
shoppers	0.8881	0.1119	0.8881	0.5189	0.5859
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7986	0.0671	0.7986	0.7422	0.1894
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9152	0.0848	0.9152	0.8212	0.3865
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5849	0.0173	0.5849	0.5592	0.1154
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9590	0.0410	0.9590	0.8900	0.2990
sport-articles	0.8000	0.2000	0.8000	0.5662	0.6793
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8256	0.1744	0.8256	0.3158	0.5842

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.8958	0.0694	0.8958	0.8311	0.2350
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7026	0.2974	0.7026	0.2415	0.7510
steel-p	0.9385	0.0615	0.9385	0.5074	0.4915
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3077	0.4615	0.3077	-0.1038	0.6972
student-weekend	0.3846	0.2462	0.3846	0.1053	0.6632
student-workday	0.7188	0.1125	0.7188	0.1933	0.2994
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.7333	0.1778	0.7333	0.6000	0.3417
Tdp_desc	0.8056	0.1944	0.8056	0.4112	0.7334
texture	0.9527	0.0086	0.9527	0.9479	0.0581
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8826	0.1174	0.8826	0.6662	0.5200
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.4706	0.5294	0.4706	-0.3077	1.0000
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6133	0.3867	0.6133	-0.1712	0.9311
trec11-wc	0.9268	0.0163	0.9268	0.9094	0.0523
trec12-wc	0.8387	0.0403	0.8387	0.8053	0.1009
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9659	0.0068	0.9659	0.9585	0.0447
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0234
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8250	0.0875	0.8250	0.7667	0.2426
urban	0.8358	0.0365	0.8358	0.8066	0.1402
vehicle	0.8095	0.0952	0.8095	0.7432	0.2351
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5657	0.0790	0.5657	0.5222	0.2231
vowelZ	0.9596	0.0404	0.9596	0.6944	0.1201
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
waveform	0.7720	0.1520	0.7720	0.6581	0.4380
web-phishing	0.8741	0.0840	0.8741	0.7770	0.3718
weight-lift	0.5297	0.1881	0.5297	0.3658	0.2893
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.5975	0.1342	0.5975	0.3362	0.4115
winequality-white	0.4888	0.1461	0.4888	0.1288	0.4229
yale	0.6875	0.0417	0.6875	0.6667	0.0804
yeast	0.5473	0.0905	0.5473	0.4211	0.3457

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9392	0.0608	0.9392	-0.0215	0.6129
zip	0.7290	0.0542	0.7290	0.6960	0.2225
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 214: Detailed results for NewtonBoost (30)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1583	0.0580	0.1583	0.0773	0.5732
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9841	0.0159	0.9841	0.2766	0.2863
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8696	0.1304	0.8696	0.6128	0.5619
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8000	0.2000	0.8000	0.1288	0.7579
AID362red	0.9813	0.0187	0.9813	-0.0071	0.5505
AID373AID439red	0.9993	0.0007	0.9993	-0.0003	0.3124
AID373red	0.9985	0.0015	0.9985	-0.0007	0.5338
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9920	0.0080	0.9920	-0.0038	0.4379
AID600_MACCS	0.6216	0.3784	0.6216	0.2152	0.9118
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9978	0.0022	0.9978	0.5873	0.1932
AID604AID644_AllRed	0.9985	0.0015	0.9985	0.1811	0.5354
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9924	0.0076	0.9924	-0.0036	0.4564
AID688red	0.9871	0.0129	0.9871	-0.0053	0.5523
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9706	0.0294	0.9706	-0.0019	0.0539
AID746red	0.9903	0.0097	0.9903	0.0889	0.5533
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9903	0.0049	0.9903	0.9814	0.0275
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9917	0.0021	0.9917	0.9863	0.0674
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0374
aps-failure	0.9904	0.0096	0.9904	0.7043	0.3580
arcene	0.8000	0.2000	0.8000	0.5652	0.6314
arrhythmia	0.8000	0.0308	0.8000	0.6622	0.1722
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.9130	0.0072	0.9130	0.9002	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8020	0.1409
avila	0.9981	0.0003	0.9981	0.9975	0.0282
balance	0.8387	0.1075	0.8387	0.7232	0.3367
bank	0.9179	0.0821	0.9179	0.5658	0.5643
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7924	0.3563
basehock	0.9548	0.0452	0.9548	0.9096	0.2220
biodeg	0.8762	0.1238	0.8762	0.7388	0.5111
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.6786	0.3214	0.6786	0.1818	0.8787
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.2727	0.7273	0.2727	-0.4667	1.0000
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0434
bridges	0.7000	0.0857	0.7000	0.5714	0.1715
bze_3d_rdkit_descriptors	0.8780	0.1220	0.8780	0.6293	0.5680
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	1.0000	0.0000	1.0000	1.0000	0.0000
card	0.8841	0.1159	0.8841	0.7621	0.4822
cardiotocography	0.8826	0.0235	0.8826	0.8595	0.1472
cardiotocography-nsp	0.9577	0.0282	0.9577	0.8799	0.1413
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9250	0.0500	0.9250	0.8632	0.1613
cas_N6512_cdk_ECFP2	0.7619	0.2381	0.7619	0.5221	0.7312
census10%	0.9555	0.0445	0.9555	0.4814	0.3997
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9419	0.0581	0.9419	0.5147	0.5542
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	1.0000	0.0000	1.0000	1.0000	0.0000
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
ci100410h_MACCS	0.8125	0.1875	0.8125	0.4514	0.7198
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6788	0.5564
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.7970	0.3704
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3738	0.8243
cirrhosis	0.8333	0.1111	0.8333	0.6581	0.2775
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8769	0.0616	0.8769	0.8087	0.2669
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.5833	0.2778	0.5833	0.3182	0.5379
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5578	0.2948	0.5578	0.3012	0.6734
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0714
codon_usage	0.9463	0.0098	0.9463	0.9346	0.0859
coil20	0.9861	0.0014	0.9861	0.9854	0.0096
collins	0.9600	0.0053	0.9600	0.9560	0.0166
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6552	0.3448	0.6552	0.1989	0.8928
colposcopies-2	0.6897	0.3103	0.6897	0.2770	0.7986
colposcopies-3	0.6897	0.3103	0.6897	0.3359	0.8266
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4396	0.6621
colposcopies-c	0.7241	0.2759	0.7241	0.1655	0.8480
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9999	0.0001	0.9999	0.9966	0.0005
cottonmeloidogyne	0.7788	0.2212	0.7788	0.5580	0.6976

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7610	0.2390	0.7610	0.5054	0.7294
covtypeCD	0.9911	0.0089	0.9911	0.9619	0.1068
covtypeT	0.9842	0.0158	0.9842	0.8758	0.2470
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5018	0.5260
crowdsourced	0.9576	0.0141	0.9576	0.9127	0.1065
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3561	0.1047
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7963	0.2037	0.7963	0.5858	0.6749
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8213	0.1787	0.8213	0.3878	0.6667
deposit	0.9058	0.0942	0.9058	0.4839	0.5860
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5746	0.6524
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5550	0.2967	0.5550	0.1344	0.6142
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.4583	0.5417	0.4583	-0.0986	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7698	0.1535	0.7698	0.6187	0.4702
drug-01	0.3457	0.1869	0.3457	0.0455	0.6429
drug-02	0.5266	0.1353	0.5266	0.2021	0.5972
drug-03	0.6543	0.0988	0.6543	0.1069	0.4989
drug-04	0.4574	0.1550	0.4574	0.0651	0.7951
drug-05	0.7181	0.0805	0.7181	-0.0215	0.3454
drug-06	0.3777	0.1778	0.3777	0.2204	0.6359
drug-07	0.3723	0.1793	0.3723	-0.0034	0.5711
drug-08	0.5213	0.1368	0.5213	0.1280	0.5201
drug-09	0.8564	0.0410	0.8564	0.0453	0.3955
drug-10	0.5426	0.1307	0.5426	0.1873	0.5383
drug-11	0.8298	0.0486	0.8298	0.0256	0.4600
drug-12	0.7447	0.0729	0.7447	-0.0020	0.4606
drug-13	0.6117	0.1109	0.6117	0.2778	0.4512
drug-14	0.5691	0.1231	0.5691	0.2644	0.6663
drug-15	0.7447	0.0729	0.7447	0.0904	0.4359
drug-16	0.5585	0.1261	0.5585	0.2772	0.5151
drug-17	0.3511	0.1854	0.3511	0.1419	0.7736
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7606	0.0684	0.7606	0.0990	0.4099
drybean	0.9251	0.0214	0.9251	0.9094	0.1184
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5641	0.0545	0.5641	0.5164	0.5139
eeg-eye	0.8598	0.1402	0.8598	0.7146	0.5304
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3644	0.7788
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6667	0.5796
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.3754	0.5647

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6202	0.5322
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5333	0.7088
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6301	0.1479	0.6301	0.5238	0.3878
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8618	0.0163	0.8618	0.8427	0.0892
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5527	0.1636
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4104	0.0077	0.3991	0.3471	0.2584
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9957	0.0014	0.9957	0.9948	0.0105
gastrointestinal	0.8125	0.1250	0.8125	0.6981	0.2631
gender	0.5768	0.2821	0.5768	0.1072	0.6093
gene	0.9527	0.0315	0.9527	0.9244	0.1599
german	0.7500	0.2500	0.7500	0.3812	0.6824
gina	0.9568	0.0432	0.9568	0.9135	0.2392
glass	0.8571	0.0476	0.8571	0.8013	0.1361
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7590	0.4804
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4230
haberman	0.6667	0.3333	0.6667	-0.0135	0.9051
hapt	0.9744	0.0043	0.9744	0.9697	0.0279
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.3478	0.8010
higher	0.3571	0.1607	0.3571	0.2270	0.2881
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.9039	0.0961	0.9039	0.6127	0.4789
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6944	0.2037	0.6944	0.4598	0.5123
htru2	0.9788	0.0212	0.9788	0.8681	0.2432
hypothyroid	0.9947	0.0027	0.9947	0.9675	0.0098
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6949	0.3051	0.6949	0.1690	0.8638
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9255	0.0057	0.9255	0.9226	0.0701
jm1	0.8283	0.1717	0.8283	0.2634	0.6009
fvowels	0.9930	0.0016	0.9930	0.9920	0.0129
kc1	0.8815	0.1185	0.8815	0.4318	0.5288
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2462	0.1146
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.7458	0.0282	0.7458	0.7158	0.2517
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.9048	0.0317	0.9048	0.8796	0.1655
la2s-wc	0.9238	0.0254	0.9238	0.9037	0.1399
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6301	0.0727
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9530	0.0036	0.9530	0.9511	0.0543
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7622	0.0980
liver	0.6471	0.3529	0.6471	0.2302	0.8750
lrs	0.8491	0.0302	0.8491	0.7895	0.1052
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1255
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0294
madelon	0.8462	0.1538	0.8462	0.6923	0.5690
magic04	0.8859	0.1142	0.8859	0.7417	0.4631
mammography	0.8229	0.1771	0.8229	0.6468	0.6085
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7747	0.3494
messidor	0.6609	0.3391	0.6609	0.3084	0.8710
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0452
mfeat-fou	0.8150	0.0370	0.8150	0.7944	0.1490
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0441
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.2014
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0414
mfeat-zer	0.7800	0.0440	0.7800	0.7556	0.1508
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5570	0.3772
mobile	0.8531	0.0052	0.8531	0.8505	0.0684

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8601	0.1101
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7494
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.3049	0.8751
MUT_ci300400a	0.8446	0.1554	0.8446	0.6818	0.5776
MUT_ci300400a_cdk_ECFP2	0.7974	0.2026	0.7974	0.5818	0.6754
myocardial	0.8882	0.0279	0.8882	0.4439	0.0935
naticusdroid	0.9683	0.0317	0.9683	0.9366	0.1892
nci9	0.3333	0.1481	0.3333	0.2000	0.2201
newspop	0.6791	0.3209	0.6791	0.3523	0.8464
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9672	0.0328	0.9672	0.9193	0.2156
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0608	0.7304
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0807
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9010	0.0198	0.9010	0.8865	0.1032
oh10-wc	0.8095	0.0381	0.8095	0.7825	0.1624
oh15-wc	0.8696	0.0261	0.8696	0.8514	0.1128
oh5-wc	0.8022	0.0396	0.8022	0.7762	0.1768
optdigits	0.9715	0.0057	0.9715	0.9683	0.0432
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8250	0.0088	0.8250	0.8205	0.0307
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9854	0.0059	0.9854	0.9177	0.1355
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	1.0000	0.0000	1.0000	1.0000	0.0000
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.4897	0.5103	0.4897	-0.1175	1.0000
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.8529	0.0420	0.8529	0.8199	0.1299
pendigits	0.9927	0.0015	0.9927	0.9919	0.0140
period	0.6667	0.3333	0.6667	0.1818	0.8798
period-10f	0.2222	0.7778	0.2222	-0.4000	0.9533
P-Glycoprotein_b_Inhibitor	0.8299	0.1701	0.8299	0.6169	0.6283
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.7768
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7460	0.5006
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7000	0.3000	0.7000	0.4000	0.7967
phishing	0.9714	0.0286	0.9714	0.9399	0.1774
phoneme	0.8963	0.1037	0.8963	0.7466	0.4911
phy	0.7356	0.2644	0.7356	0.4711	0.7715
pima	0.7500	0.2500	0.7500	0.4676	0.7578

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6667	0.3333	0.6667	-0.1020	0.8617
polish-1st	0.9815	0.0185	0.9815	0.6888	0.1863
polish-2nd	0.9735	0.0265	0.9735	0.5305	0.2958
polish-3rd	0.9638	0.0362	0.9638	0.4564	0.3639
polish-4th	0.9704	0.0296	0.9704	0.6591	0.3639
polish-5th	0.9679	0.0321	0.9679	0.7157	0.3176
polya	0.8011	0.1989	0.8011	0.5553	0.6752
popularity	0.6800	0.2134	0.6800	0.2637	0.5118
post-operative	0.5556	0.2963	0.5556	0.0000	0.4796
postures	0.9937	0.0025	0.9937	0.9922	0.0188
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8778
primary-tumor	0.3333	0.0606	0.3333	0.2667	0.2612
profb	0.7313	0.2687	0.7313	0.3453	0.7955
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.9286	0.0714	0.9286	0.8511	0.2404
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
raisin	0.8778	0.1222	0.8778	0.7556	0.4920
re0-wc	0.8467	0.0236	0.8467	0.8031	0.2299
re1-wc	0.8735	0.0101	0.8735	0.8562	0.1102
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7054	0.2946	0.7054	0.3849	0.8210
satimage	0.9098	0.0301	0.9098	0.8887	0.1481
satimageF	0.9922	0.0078	0.9922	0.9597	0.1105
satimageT	0.9425	0.0575	0.9425	0.6304	0.4082
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.5556	0.4444	0.5556	-0.2857	0.9011
schizo	0.5000	0.5000	0.5000	0.0000	0.9994
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9851	0.0149	0.9851	0.9698	0.1063
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-2-gram	0.8737	0.1263	0.8737	0.1180	0.4289
sens-3-gram	0.8737	0.1263	0.8737	0.1633	0.5114
sens-4-gram	0.8737	0.1263	0.8737	0.2042	0.5646
sensorless	0.9986	0.0002	0.9986	0.9985	0.0032
shoppers	0.8962	0.1038	0.8962	0.5622	0.5640
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9814	0.0186	0.9814	0.8347	0.1803
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.7626	0.0791	0.7626	0.6964	0.2108
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9478	0.0522	0.9478	0.8901	0.2689
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5094	0.0204	0.5094	0.4822	0.1435
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9558	0.0442	0.9558	0.8800	0.3080
sport-articles	0.8500	0.1500	0.8500	0.6800	0.5773
squash-stored	0.8000	0.1333	0.8000	0.6667	0.1393
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8769	0.1231	0.8769	0.6008	0.5649

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9064	0.0624	0.9064	0.8479	0.2232
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8000	0.2000	0.8000	0.5489	0.6823
steel-p	0.9436	0.0564	0.9436	0.5906	0.5045
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.3846	0.4103	0.3846	0.0545	0.6686
student-weekend	0.4000	0.2400	0.4000	0.1705	0.6902
student-workday	0.7344	0.1062	0.7344	0.2718	0.3954
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	0.9766	0.0000	1.0000	0.9869	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9855	0.0026	0.9855	0.9840	0.0226
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9327	0.0673	0.9327	0.8133	0.3556
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5321	0.2107
toxicity	0.6471	0.3529	0.6471	0.0000	0.4762
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.9024	0.0217	0.9024	0.8814	0.0930
trec12-wc	0.8710	0.0323	0.8710	0.8444	0.1031
trec21-wc	0.9394	0.0202	0.9394	0.8836	0.1984
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9573	0.0429
trec41-wc	0.9318	0.0136	0.9318	0.9167	0.0801
trec45-wc	0.9130	0.0174	0.9130	0.8981	0.0693
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8250	0.0875	0.8250	0.7667	0.2252
urban	0.8507	0.0332	0.8507	0.8250	0.1441
vehicle	0.7619	0.1190	0.7619	0.6798	0.1852
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.6667	0.0606	0.6667	0.6333	0.1976
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
wap-wc	0.8269	0.0173	0.8269	0.8063	0.1284
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0390
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
waveform	0.8320	0.1120	0.8320	0.7481	0.3792
web-phishing	0.8667	0.0889	0.8667	0.7645	0.4017
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0024
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9917	0.0083	0.9917	0.9156	0.2543
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.7233	0.0922	0.7233	0.5465	0.3109
winequality-white	0.6524	0.0993	0.6524	0.4684	0.3841
yale	0.6250	0.0500	0.6250	0.6000	0.0934
yeast	0.5473	0.0905	0.5473	0.4112	0.3815

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9559	0.0088	0.9559	0.9506	0.0725
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

## 4.2 Ensembles of 100 classifiers

Table 215: Detailed results for RotationForest (100)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1175	0.0609	0.1175	0.0663	0.6083
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.9791	0.0209	0.9791	0.4619	0.5588
ads	0.9726	0.0274	0.9726	0.8808	0.2032
adult	0.8268	0.1732	0.8268	0.5835	0.6254
AID1284Morered	0.8333	0.1667	0.8333	0.3032	0.7325
AID1284red	0.8611	0.1389	0.8611	0.3662	0.6914
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9320	0.0680	0.9320	0.1980	0.5056
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.8000	0.2000	0.8000	0.1288	0.7579
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9992	0.0008	0.9992	0.2855	0.0047
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.1501	0.9380
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9940	0.0060	0.9940	0.1414	0.2955
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8462	0.1538	0.8462	0.5860	0.6412
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9663	0.0135	0.9663	0.9317	0.1118
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9805	0.0097	0.9805	0.9628	0.0494
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9777	0.0056	0.9777	0.9636	0.1022
anuran-species	0.9833	0.0033	0.9833	0.9768	0.0499
aps-failure	0.9909	0.0091	0.9909	0.7463	0.4021
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7778	0.0342	0.7778	0.6669	0.2617
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7391	0.0217	0.7391	0.7026	0.0318
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8000	0.0667	0.8000	0.7428	0.1774
avila	0.9976	0.0004	0.9976	0.9969	0.0125
balance	0.7903	0.1398	0.7903	0.6408	0.3930
bank	0.8866	0.1134	0.8866	0.5606	0.5977
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8825	0.1175	0.8825	0.7326	0.4226
basehock	0.9899	0.0100	0.9899	0.9799	0.0768
biodeg	0.8857	0.1143	0.8857	0.7623	0.4811
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.8571	0.1429	0.8571	0.6744	0.5689
breast-cancer-co	0.6364	0.3636	0.6364	0.2414	0.8512
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7143	0.0558
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6612	0.2404
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9425	0.0287	0.9425	0.8822	0.2314
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8967	0.0207	0.8967	0.8767	0.1352
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7825	0.3756
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7500	0.1667	0.7500	0.5789	0.4840
cas_N6512_cdk_ECFP2	0.7419	0.2581	0.7419	0.4844	0.7567
census10%	0.9027	0.0973	0.9027	0.4391	0.5753
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9535	0.0465	0.9535	0.6446	0.5283
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.8837	0.1163	0.8837	0.7603	0.4689
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7336	0.5122
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7666	0.4759
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7159	0.4925
ci900367j_MACCS	0.6947	0.3053	0.6947	0.3550	0.8356
cirrhosis	0.8095	0.1270	0.8095	0.6258	0.3334
cjs	0.9893	0.0036	0.9893	0.9869	0.0194
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8148	0.0926	0.8148	0.7205	0.4310
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cll_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5510	0.2993	0.5510	0.3102	0.6780
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0577
codon_usage	0.9286	0.0130	0.9286	0.9131	0.1069
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.8400	0.0213	0.8400	0.8239	0.0940
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.7586	0.2414	0.7586	0.4249	0.7334
colposcopies-2	0.7586	0.2414	0.7586	0.4150	0.4263
colposcopies-3	0.6897	0.3103	0.6897	0.3830	0.8083
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.7931	0.2069	0.7931	0.1386	0.7915
colposcopies-6	0.6897	0.3103	0.6897	0.3711	0.7708
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6353	0.2946
connect-4	0.9529	0.0314	0.9529	0.4490	0.5019
cottonmeloidogyne	0.7644	0.2356	0.7644	0.5293	0.7182

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7532	0.2468	0.7532	0.4976	0.7487
covtypeCD	0.9851	0.0149	0.9851	0.9383	0.2059
covtypeT	0.9797	0.0203	0.9797	0.8537	0.3573
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.3722	0.7266
crowdsourced	0.9465	0.0178	0.9465	0.8900	0.1504
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.5312	0.0234	0.5312	0.5171	0.0802
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7593	0.2407	0.7593	0.5105	0.7383
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.7890	0.2110	0.7890	0.4248	0.7390
deposit	0.8414	0.1586	0.8414	0.4819	0.5892
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6000	0.2311
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7368	0.2632	0.7368	0.4618	0.7673
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5530	0.2980	0.5530	0.2129	0.7393
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.2000	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7630	0.1580	0.7630	0.6139	0.4549
drug-01	0.2979	0.2006	0.2979	0.0372	0.8697
drug-02	0.4840	0.1474	0.4840	0.2970	0.7497
drug-03	0.5851	0.1185	0.5851	0.1532	0.5206
drug-04	0.4096	0.1687	0.4096	0.1724	0.8294
drug-05	0.7128	0.0821	0.7128	-0.0021	0.3595
drug-06	0.3564	0.1839	0.3564	0.2181	0.6729
drug-07	0.3883	0.1748	0.3883	0.0309	0.5207
drug-08	0.4468	0.1581	0.4468	0.1883	0.7532
drug-09	0.8138	0.0532	0.8138	0.0440	0.4091
drug-10	0.5266	0.1353	0.5266	0.2555	0.7106
drug-11	0.7553	0.0699	0.7553	0.1227	0.8490
drug-12	0.7074	0.0836	0.7074	0.1084	0.5267
drug-13	0.5426	0.1307	0.5426	0.2423	0.7320
drug-14	0.5479	0.1292	0.5479	0.3322	0.6222
drug-15	0.6064	0.1125	0.6064	0.1703	0.7299
drug-16	0.5585	0.1261	0.5585	0.3700	0.5405
drug-17	0.3245	0.1930	0.3245	0.1576	0.7871
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6277	0.1064	0.6277	0.0980	0.6263
drybean	0.9184	0.0233	0.9184	0.9014	0.1318
ecoli	0.8824	0.0294	0.8824	0.8369	0.0987
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.7879	0.2121	0.7879	0.2667	0.5821
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5604	0.0550	0.5604	0.5158	0.5650
eeg-eye	0.9072	0.0928	0.9072	0.8118	0.4087
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6410	0.3590	0.6410	0.2602	0.8833
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6809	0.5733
er_tox_rdkit_ATOMPAIR	0.8852	0.1148	0.8852	0.3146	0.5382

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5114	0.7052
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9353	0.1675
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.8136	0.3324
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.8387	0.1613	0.8387	0.3217	0.4238
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8845	0.2659
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.8061	0.4212
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.3497	0.4422
eucalyptus	0.6712	0.1315	0.6712	0.5842	0.3722
euthyroid	0.9684	0.0316	0.9684	0.8212	0.3529
fbis-wc	0.8659	0.0158	0.8659	0.8482	0.1043
fda.atompair_fp	0.4545	0.5455	0.4545	-0.2453	0.9308
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6000	0.1000	0.6000	0.5181	0.2129
fontaine_MACCS	0.8636	0.1364	0.8636	0.7273	0.4205
fonts10%	0.4187	0.0073	0.4166	0.3620	0.2598
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9964	0.0012	0.9964	0.9956	0.0090
gastrointestinal	0.6875	0.2083	0.6875	0.4904	0.3286
gender	0.5768	0.2821	0.5768	0.1729	0.7154
gene	0.9243	0.0505	0.9243	0.8795	0.2258
german	0.7300	0.2700	0.7300	0.3864	0.7984
gina	0.9568	0.0432	0.9568	0.9135	0.2392
glass	0.7619	0.0794	0.7619	0.6789	0.2353
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8571	0.1429	0.8571	0.6897	0.5637
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2982	0.4569
haberman	0.7667	0.2333	0.7667	0.4262	0.7592
hapt	0.9661	0.0056	0.9661	0.9600	0.0453
hayes-roth	0.5625	0.2917	0.5625	0.3129	0.4109
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.3750	0.7858
higher	0.2143	0.1964	0.2143	0.0888	0.3854
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9089	0.0911	0.9089	0.7035	0.5325
hiva	0.9551	0.0449	0.9551	0.2178	0.6033
horse	0.6667	0.2222	0.6667	0.4353	0.5531
htru2	0.9754	0.0246	0.9754	0.8539	0.3192
hypothyroid	0.9867	0.0066	0.9867	0.9240	0.1169
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6610	0.3390	0.6610	0.1737	0.8848
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9012	0.0076	0.9012	0.8972	0.0827
jm1	0.8072	0.1928	0.8072	0.3668	0.7462
fvowels	0.9719	0.0062	0.9719	0.9681	0.0457
kc1	0.8531	0.1469	0.8531	0.4363	0.6890
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7368	0.4011
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.2000	0.0752
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.3514	0.7685
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7569	0.0270	0.7569	0.7297	0.3223
krvskp	0.9843	0.0157	0.9843	0.9686	0.1069
la1s-wc	0.8825	0.0392	0.8825	0.8525	0.2056
la2s-wc	0.8841	0.0386	0.8841	0.8546	0.2129
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7216	0.0590
led24	0.7000	0.0600	0.7000	0.6610	0.1235
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9480	0.0040	0.9480	0.9459	0.0604
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8509	0.0619
liver	0.7647	0.2353	0.7647	0.4868	0.7356
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.4510	0.3188
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7615	0.2385	0.7615	0.5231	0.7288
magic04	0.8774	0.1226	0.8774	0.7284	0.5104
mammography	0.8438	0.1562	0.8438	0.6867	0.5753
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7624	0.1584	0.7624	0.6401	0.4521
messidor	0.6696	0.3304	0.6696	0.3308	0.8589
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0437
mfeat-fou	0.8000	0.0400	0.8000	0.7778	0.1504
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0375
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1856
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-zer	0.7550	0.0490	0.7550	0.7278	0.1530
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4463	0.4073
mobile	0.9615	0.0014	0.9615	0.9608	0.0169

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	0.9636	0.0364	0.9636	0.9272	0.1675
monks-2	0.9508	0.0492	0.9508	0.8898	0.2625
monks-3	0.9643	0.0357	0.9643	0.9285	0.2076
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8625	0.1731
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9913
mutagen_class_2	0.5147	0.4853	0.5147	0.0294	0.6675
mutagen_class_3	0.4638	0.5362	0.4638	-0.0786	1.0000
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7445
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.8484	0.1516	0.8484	0.6917	0.5685
MUT_ci300400a_cdk_ECFP2	0.7962	0.2038	0.7962	0.5889	0.6648
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9669	0.0331	0.9669	0.9339	0.1952
nci9	0.6667	0.0741	0.6667	0.6250	0.0625
newspop	0.6726	0.3274	0.6726	0.3393	0.8545
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9655	0.0345	0.9655	0.9161	0.2379
NPHA-doctor-visits	0.3889	0.4074	0.3889	0.0168	0.7700
nursery	0.9761	0.0096	0.9761	0.9651	0.0773
obs	0.9815	0.0093	0.9815	0.9727	0.0458
occupancy	0.9927	0.0073	0.9927	0.9797	0.0924
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9505	0.0099	0.9505	0.9435	0.0600
oh10-wc	0.8095	0.0381	0.8095	0.7848	0.1734
oh15-wc	0.8913	0.0217	0.8913	0.8767	0.1159
oh5-wc	0.9121	0.0176	0.9121	0.9010	0.0979
optdigits	0.9609	0.0078	0.9609	0.9565	0.0565
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9209	0.0791	0.9209	0.2495	0.6005
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9781	0.0088	0.9781	0.8829	0.3445
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.3567	0.6383
pcmac	0.4485	0.5515	0.4485	-0.1901	1.0000
pd	0.8947	0.1053	0.8947	0.6863	0.3954
pediatric-leukemia	0.7941	0.0588	0.7941	0.7441	0.1659
pendigits	0.9882	0.0024	0.9882	0.9868	0.0206
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8711	0.1289	0.8711	0.7181	0.5346
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8338
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8968	0.1032	0.8968	0.7947	0.4011
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9633	0.0367	0.9633	0.9231	0.2202
phoneme	0.9037	0.0963	0.9037	0.7728	0.4678
phy	0.7160	0.2840	0.7160	0.4320	0.7998
pima	0.7500	0.2500	0.7500	0.4676	0.7578

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6667	0.3333	0.6667	-0.1020	0.8617
polish-1st	0.9630	0.0370	0.9630	0.1266	0.2686
polish-2nd	0.9587	0.0413	0.9587	0.0775	0.4155
polish-3rd	0.9543	0.0457	0.9543	0.1048	0.2316
polish-4th	0.9592	0.0408	0.9592	0.4554	0.3937
polish-5th	0.9442	0.0558	0.9442	0.5063	0.5289
polya	0.7892	0.2108	0.7892	0.5316	0.7007
popularity	0.5803	0.2798	0.5803	0.2791	0.6651
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9835	0.0066	0.9835	0.9793	0.0418
pred-tox_mutagen_ref-desc	0.7353	0.2647	0.7353	0.4706	0.7633
primary-tumor	0.3636	0.0579	0.3636	0.3111	0.1591
profb	0.6716	0.3284	0.6716	0.2725	0.8623
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.8400	0.0246	0.8400	0.7990	0.2157
re1-wc	0.8434	0.0125	0.8434	0.8252	0.1782
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7184	0.2816	0.7184	0.4315	0.7868
satimage	0.9036	0.0321	0.9036	0.8812	0.1626
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9378	0.0622	0.9378	0.6530	0.5134
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885
seismic	0.9109	0.0891	0.9109	0.2111	0.6665
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8579	0.1421	0.8579	0.1261	0.6648
sens-2-gram	0.8763	0.1237	0.8763	0.1911	0.5052
sens-3-gram	0.8842	0.1158	0.8842	0.2705	0.4868
sens-4-gram	0.8711	0.1289	0.8711	0.2163	0.6074
sensorless	0.9979	0.0004	0.9979	0.9977	0.0046
shoppers	0.8962	0.1038	0.8962	0.6229	0.5870
shuttle	0.9997	0.0001	0.9997	0.9990	0.0458
sick	0.9735	0.0265	0.9735	0.7686	0.3227
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6842	0.3158	0.6842	0.3596	0.8222
solar-flare	0.7122	0.0959	0.7122	0.6423	0.2577
sonar	0.5500	0.4500	0.5500	0.1000	0.9473
soybean	0.9706	0.0031	0.9706	0.9678	0.0165
spambase	0.9370	0.0630	0.9370	0.8680	0.3216
spect	0.6667	0.3333	0.6667	0.1818	0.8134
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.6604	0.0142	0.6604	0.6428	0.0893
splice-EI	0.9621	0.0379	0.9621	0.9005	0.2653
splice-IE	0.9338	0.0662	0.9338	0.8191	0.3954
sport-articles	0.8300	0.1700	0.8300	0.6374	0.6209
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.8410	0.1590	0.8410	0.5418	0.6652

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9190	0.0540	0.9190	0.8687	0.2047
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.8256	0.1744	0.8256	0.6108	0.6337
steel-p	0.9436	0.0564	0.9436	0.6550	0.5373
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.5385	0.3077	0.5385	0.2909	0.5610
student-weekend	0.2769	0.2892	0.2769	0.0571	0.7401
student-workday	0.6406	0.1437	0.6406	0.1636	0.5745
swarm_aligned	1.0000	0.0000	0.9855	1.0000	0.0000
swarm_flocking	1.0000	0.0004	1.0000	1.0000	0.0047
swarm_grouped	0.9959	0.0000	1.0000	0.9894	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9800	0.0036	0.9800	0.9779	0.0287
theorem	0.9984	0.0016	0.9984	0.9966	0.0176
thoracic	0.7447	0.2553	0.7447	-0.0071	0.8042
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9192	0.0808	0.9192	0.7845	0.4377
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.5867	0.4133	0.5867	0.0000	0.8747
trec11-wc	0.9268	0.0163	0.9268	0.9102	0.0531
trec12-wc	0.9677	0.0081	0.9677	0.9612	0.0265
trec21-wc	0.9394	0.0202	0.9394	0.8738	0.1141
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9572	0.0578
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0700
trec45-wc	0.9130	0.0174	0.9130	0.8979	0.0674
tuandromd	0.9753	0.0247	0.9753	0.9262	0.2378
turkish	0.8000	0.1000	0.8000	0.7333	0.2330
urban	0.8657	0.0299	0.8657	0.8422	0.1280
vehicle	0.7500	0.1250	0.7500	0.6612	0.2549
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.5960	0.0735	0.5960	0.5556	0.2172
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
wap-wc	0.3018	0.0688	0.3051	0.1352	0.3039
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8500	0.1000	0.8500	0.7750	0.3500
web-phishing	0.8593	0.0938	0.8593	0.7557	0.4201
weight-lift	0.4130	0.2380	0.4266	0.2025	0.3369
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9793	0.0207	0.9793	0.7891	0.4013
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6352	0.1216	0.6352	0.4372	0.5439
winequality-white	0.6217	0.1081	0.6217	0.4440	0.5159
yale	0.8750	0.0167	0.8750	0.8655	0.0275
yeast	0.5946	0.0811	0.5946	0.4845	0.4950

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9592	0.0408	0.9592	0.4787	0.5697
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.4002	0.6035
zip	0.9419	0.0116	0.9419	0.9350	0.0946
zoo	0.9000	0.0286	0.9000	0.8701	0.0000



Table 216: Detailed results for BoostForest (100)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1535	0.0584	0.1535	0.0707	0.5518
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	-0.0224	0.6102
accelerometer	0.9841	0.0159	0.9841	0.2119	0.1478
ads	0.9817	0.0183	0.9817	0.9227	0.1725
adult	0.8528	0.1472	0.8528	0.5715	0.6191
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.9167	0.0833	0.9167	0.5345	0.2048
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8381	0.1619	0.8381	0.1616	0.3125
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3273	0.8564
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9941	0.0059	0.9941	0.2203	0.3327
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9847	0.0076	0.9847	0.9708	0.0404
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9875	0.0031	0.9875	0.9794	0.0579
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0179
aps-failure	0.9945	0.0055	0.9945	0.8279	0.1798
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7778	0.0342	0.7778	0.6244	0.1816
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8503	0.0302
audit-risk	0.9872	0.0128	0.9872	0.9731	0.0692
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9885	0.0019	0.9885	0.9850	0.0215
balance	0.8226	0.1183	0.8226	0.6922	0.3543
bank	0.9138	0.0862	0.9138	0.5445	0.5801
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9032	0.0968	0.9032	0.7801	0.3429
basehock	0.9598	0.0402	0.9598	0.9196	0.2061
biodeg	0.9143	0.0857	0.9143	0.8191	0.4034
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9877	0.0284
card	0.9130	0.0870	0.9130	0.8198	0.3843
cardiotocography	0.8498	0.0300	0.8498	0.8192	0.1735
cardiotocography-nsp	0.9484	0.0344	0.9484	0.8532	0.1969
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2602
cas_N6512_cdk_ECFP2	0.7773	0.2227	0.7773	0.5523	0.7064
census10%	0.9529	0.0471	0.9529	0.4540	0.4392
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.9091	0.0909	0.9091	0.8014	0.4126
ci200186m_DESC_PADEL	0.9259	0.0741	0.9259	0.8412	0.3657
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3066	0.8513
cirrhosis	0.7381	0.1746	0.7381	0.4628	0.3973
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8370	0.0815	0.8370	0.7478	0.3814
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cll_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5714	0.2857	0.5714	0.3269	0.6780
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0828
codon_usage	0.9340	0.0120	0.9340	0.9195	0.0898
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7931	0.2069	0.7931	0.5421	0.6997
colposcopies-2	0.7241	0.2759	0.7241	0.3176	0.4472
colposcopies-3	0.7931	0.2069	0.7931	0.5628	0.6667
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.8621	0.1379	0.8621	0.5323	0.2987
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8387	0.1075	0.8387	0.7395	0.2576
connect-4	0.9970	0.0020	0.9970	0.9289	0.0079
cottonmeloidogyne	0.7788	0.2212	0.7788	0.5578	0.7019

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7784	0.2216	0.7784	0.5431	0.7031
covtypeCD	0.9950	0.0050	0.9950	0.9788	0.0593
covtypeT	0.9878	0.0122	0.9878	0.9046	0.2036
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.3357	0.6857
crowdsourced	0.9484	0.0172	0.9484	0.8926	0.1063
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.6562	0.0172	0.6562	0.6462	0.0437
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.8519	0.1481	0.8519	0.6936	0.5515
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8207	0.1793	0.8207	0.3933	0.6760
deposit	0.9040	0.0960	0.9040	0.4903	0.6004
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4074	0.2614
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5543	0.6922
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5727	0.2849	0.5727	0.1637	0.5874
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6667	0.3333	0.6667	0.2727	0.8278
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7698	0.1535	0.7698	0.6131	0.4462
drug-01	0.3723	0.1793	0.3723	0.0311	0.5375
drug-02	0.4894	0.1459	0.4894	0.1681	0.6924
drug-03	0.6809	0.0912	0.6809	0.1160	0.3760
drug-04	0.5106	0.1398	0.5106	0.1404	0.6383
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4362	0.1611	0.4362	0.2912	0.5140
drug-07	0.3777	0.1778	0.3777	-0.0201	0.4675
drug-08	0.5798	0.1201	0.5798	0.2346	0.4331
drug-09	0.8723	0.0365	0.8723	0.0980	0.1047
drug-10	0.5319	0.1337	0.5319	0.1473	0.5431
drug-11	0.8351	0.0471	0.8351	0.0061	0.2490
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.5957	0.1155	0.5957	0.2303	0.4599
drug-14	0.6117	0.1109	0.6117	0.3383	0.5501
drug-15	0.7500	0.0714	0.7500	0.1079	0.4211
drug-16	0.5638	0.1246	0.5638	0.2760	0.4983
drug-17	0.3830	0.1763	0.3830	0.1595	0.6194
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7553	0.0699	0.7553	-0.0198	0.3846
drybean	0.9236	0.0218	0.9236	0.9076	0.1228
ecoli	0.8235	0.0441	0.8235	0.7536	0.1246
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5891	0.0514	0.5891	0.5435	0.4715
eeg-eye	0.9292	0.0708	0.9292	0.8565	0.3374
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7004	0.5303
er_tox_rdkit_ATOMPAIR	0.9836	0.0164	0.9836	0.8486	0.4011

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7636	0.4676
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6575	0.1370	0.6575	0.5586	0.3430
euthyroid	0.9652	0.0348	0.9652	0.8004	0.3649
fbis-wc	0.8577	0.0167	0.8577	0.8379	0.0872
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.8000	0.0500	0.8000	0.7419	0.1110
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4297	0.0074	0.4180	0.3727	0.2702
forest	0.9231	0.0385	0.9231	0.8934	0.0853
gas	0.9964	0.0012	0.9964	0.9956	0.0092
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.6021	0.2653	0.6021	0.1605	0.5414
gene	0.9432	0.0379	0.9432	0.9093	0.1584
german	0.7300	0.2700	0.7300	0.3317	0.7314
gina	0.9597	0.0403	0.9597	0.9193	0.2273
glass	0.8095	0.0635	0.8095	0.7299	0.1711
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4675	0.4163
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.9689	0.0052	0.9689	0.9632	0.0360
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.1314	0.9439
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higher	0.3571	0.1607	0.3571	0.2174	0.2371
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8954	0.1046	0.8954	0.6019	0.5519
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.6667	0.2222	0.6667	0.4106	0.5576
htru2	0.9777	0.0223	0.9777	0.8612	0.2547
hypothyroid	0.9761	0.0119	0.9761	0.8577	0.1968
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7458	0.2542	0.7458	0.2643	0.7483
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9166	0.0064	0.9166	0.9132	0.0742
jm1	0.8237	0.1763	0.8237	0.2802	0.6641
lvowels	0.9900	0.0022	0.9900	0.9886	0.0180
kc1	0.8768	0.1232	0.8768	0.3590	0.4552
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.7143	0.0238	0.7143	0.3488	0.1029
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8759	0.0138	0.8759	0.8614	0.1597
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.8667	0.0444	0.8667	0.8310	0.2154
la2s-wc	0.8841	0.0386	0.8841	0.8531	0.2044
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.8235	0.0088	0.8235	0.8151	0.0282
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9720	0.0022	0.9720	0.9709	0.0338
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8889	0.0148	0.8889	0.8808	0.0361
liver	0.7647	0.2353	0.7647	0.4625	0.7536
lrs	0.8491	0.0302	0.8491	0.7907	0.1068
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.8308	0.1692	0.8308	0.6615	0.6027
magic04	0.8753	0.1247	0.8753	0.7171	0.4909
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7893	0.3270
messidor	0.7565	0.2435	0.7565	0.5023	0.7431
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.9700	0.0060	0.9700	0.9667	0.0379
mfeat-fou	0.8400	0.0320	0.8400	0.8222	0.1409
mfeat-kar	0.9850	0.0030	0.9850	0.9833	0.0190
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.1954
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0224
mfeat-zer	0.8200	0.0360	0.8200	0.8000	0.0937
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5939	0.3830
mobile	0.9510	0.0017	0.9510	0.9502	0.0229

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9742	0.0258	0.9742	0.8942	0.0909
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9612
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4638	0.5362	0.4638	-0.0786	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7157
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3642	0.8267
MUT_ci300400a	0.8684	0.1316	0.8684	0.7309	0.5216
MUT_ci300400a_cdk_ECFP2	0.8393	0.1607	0.8393	0.6688	0.5905
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9148	0.0852	0.9148	0.8295	0.3418
nci9	0.5000	0.1111	0.5000	0.4194	0.0881
newspop	0.6612	0.3388	0.6612	0.3165	0.8677
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9669	0.0331	0.9669	0.9185	0.2157
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0606	0.7468
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9837	0.0754
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.9109	0.0178	0.9109	0.8976	0.0719
oh10-wc	0.7714	0.0457	0.7714	0.7393	0.2082
oh15-wc	0.8587	0.0283	0.8587	0.8391	0.1268
oh5-wc	0.8352	0.0330	0.8352	0.8134	0.1456
optdigits	0.9680	0.0064	0.9680	0.9644	0.0462
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9328	0.0672	0.9328	0.2410	0.3595
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8825	0.1183
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.4948	0.5052	0.4948	-0.0386	1.0000
pd	0.9079	0.0921	0.9079	0.7200	0.2379
pediatric-leukemia	0.7941	0.0588	0.7941	0.7441	0.1659
pendigits	0.9945	0.0011	0.9945	0.9939	0.0106
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6633	0.5818
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.7994
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8968	0.1032	0.8968	0.7943	0.4192
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7000	0.3000	0.7000	0.4000	0.7967
phishing	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme	0.9370	0.0630	0.9370	0.8412	0.3264
phy	0.7038	0.2962	0.7038	0.4075	0.8161
pima	0.7368	0.2632	0.7368	0.4081	0.7142

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6667	0.3333	0.6667	-0.1020	0.8617
polish-1st	0.9602	0.0398	0.9602	-0.0028	0.2829
polish-2nd	0.9558	0.0442	0.9558	0.0682	0.5103
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9541	0.0459	0.9541	0.3798	0.4557
polish-5th	0.9543	0.0457	0.9543	0.5496	0.3677
polya	0.8043	0.1957	0.8043	0.5492	0.6408
popularity	0.6825	0.2117	0.6825	0.2666	0.4706
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9896	0.0041	0.9896	0.9870	0.0278
pred-tox_mutagen_ref-desc	0.7059	0.2941	0.7059	0.4118	0.8115
primary-tumor	0.3333	0.0606	0.3333	0.2696	0.2076
profb	0.7612	0.2388	0.7612	0.4586	0.7576
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.8467	0.0236	0.8467	0.8003	0.2060
re1-wc	0.8373	0.0130	0.8373	0.8126	0.0965
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6734	0.3266	0.6734	0.3243	0.8585
satimage	0.9098	0.0301	0.9098	0.8885	0.1459
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9409	0.0591	0.9409	0.5980	0.3572
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.6471	0.3529	0.6471	0.2941	0.8608
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
segment	0.9697	0.0087	0.9697	0.9646	0.0409
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9341	0.0659	0.9341	0.0927	0.3832
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8789	0.1211	0.8789	0.1312	0.2567
sens-4-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sensorless	0.9979	0.0004	0.9979	0.9977	0.0046
shoppers	0.9011	0.0989	0.9011	0.5867	0.5497
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9735	0.0265	0.9735	0.7484	0.2081
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6316	0.3684	0.6316	0.2486	0.8662
solar-flare	0.7626	0.0791	0.7626	0.6961	0.2079
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9543	0.0457	0.9543	0.9041	0.2482
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6226	0.0157	0.6226	0.5991	0.1127
splice-EI	0.9716	0.0284	0.9716	0.9257	0.2218
splice-IE	0.9464	0.0536	0.9464	0.8522	0.3405
sport-articles	0.8400	0.1600	0.8400	0.6529	0.5962
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8872	0.1128	0.8872	0.6269	0.5157

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9115	0.0590	0.9115	0.8562	0.2162
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8308	0.1692	0.8308	0.6183	0.6176
steel-p	0.9436	0.0564	0.9436	0.5634	0.4735
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.6154	0.2564	0.6154	0.3981	0.5416
student-weekend	0.4154	0.2338	0.4154	0.1805	0.6096
student-workday	0.7344	0.1062	0.7344	0.2201	0.3232
swarm_aligned	0.9768	0.0000	0.9804	0.9883	0.0000
swarm_flocking	1.0000	0.0004	0.9931	0.9970	0.0047
swarm_grouped	0.9954	0.0000	1.0000	0.9890	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.5271
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9927	0.0013	0.9927	0.9920	0.0118
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.9162	0.0838	0.9162	0.7569	0.3601
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6098	0.1060
tox_171	0.8824	0.0588	0.8824	0.8426	0.1448
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.7059	0.2941	0.7059	0.2735	0.7752
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6667	0.3333	0.6667	-0.0097	0.9032
trec11-wc	0.9512	0.0108	0.9512	0.9395	0.0304
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0332
trec41-wc	0.9432	0.0114	0.9432	0.9308	0.0733
trec45-wc	0.9420	0.0116	0.9420	0.9321	0.0407
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8500	0.0750	0.8500	0.8000	0.1692
urban	0.8358	0.0365	0.8358	0.8072	0.1359
vehicle	0.7976	0.1012	0.7976	0.7261	0.1831
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.7172	0.0514	0.7172	0.6889	0.1645
vowelZ	0.9192	0.0808	0.9192	0.1852	0.1938
wap-wc	0.3047	0.0707	0.3106	0.1316	0.3027
warpar10p	0.9231	0.0154	0.9231	0.9133	0.0195
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8520	0.0987	0.8520	0.7780	0.3492
web-phishing	0.8741	0.0840	0.8741	0.7770	0.3828
weight-lift	0.4157	0.2295	0.4194	0.2007	0.3297
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0215
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6981	0.1006	0.6981	0.5153	0.3854
winequality-white	0.6933	0.0876	0.6933	0.5258	0.3368
yale	0.8750	0.0167	0.8750	0.8655	0.0275
yeast	0.6149	0.0770	0.6149	0.5002	0.3241

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9624	0.0075	0.9624	0.9578	0.0634
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 217: Detailed results for ExtraTree (100)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1583	0.0580	0.1583	0.0682	0.4468
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9634	0.0366	0.9634	0.8395	0.2634
adult	0.8591	0.1409	0.8591	0.5650	0.5646
AID1284Morered	0.7778	0.2222	0.7778	0.0710	0.7839
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.7905	0.2095	0.7905	0.0086	0.7569
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.5946	0.4054	0.5946	0.0917	0.9162
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9819	0.0090	0.9819	0.9654	0.0453
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9722	0.0070	0.9722	0.9540	0.0485
anuran-species	0.9819	0.0036	0.9819	0.9748	0.0225
aps-failure	0.9862	0.0138	0.9862	0.3953	0.1495
arcene	0.7500	0.2500	0.7500	0.4898	0.7480
arrhythmia	0.6667	0.0513	0.6667	0.3330	0.1759
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0771
avila	0.6229	0.0628	0.6229	0.4339	0.2074
balance	0.9194	0.0538	0.9194	0.8483	0.1273
bank	0.9153	0.0847	0.9153	0.5248	0.5587
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8041	0.1959	0.8041	0.5225	0.4426
basehock	0.9447	0.0553	0.9447	0.8895	0.2509
biodeg	0.8762	0.1238	0.8762	0.7412	0.5090
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.8214	0.1786	0.8214	0.5070	0.6034
breast-cancer-co	0.7273	0.2727	0.7273	0.4211	0.4644
breast-cancer-ma	0.5455	0.4545	0.5455	0.0351	0.9096
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.9000	0.0286	0.9000	0.8485	0.0526
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9368	0.0316	0.9368	0.8694	0.2079
card	0.9130	0.0870	0.9130	0.8181	0.3489
cardiotocography	0.8404	0.0319	0.8404	0.8071	0.1777
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8640	0.1248
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8000	0.1333	0.8000	0.6360	0.4577
cas_N6512_cdk_ECFP2	0.5530	0.4470	0.5530	0.0338	0.5825
census10%	0.9485	0.0515	0.9485	0.3176	0.3749
central-nervous-system	0.1667	0.8333	0.1667	-0.6667	0.9586
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.6560	0.0768
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8545	0.1455	0.8545	0.6857	0.5682
ci200186m_DESC_PADEL	0.8519	0.1481	0.8519	0.6824	0.5726
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6716	0.5255
ci900367j_MACCS	0.6842	0.3158	0.6842	0.2192	0.6561
cirrhosis	0.7381	0.1746	0.7381	0.4677	0.4040
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8167	0.0917	0.8167	0.7112	0.3104
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cll_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5442	0.3039	0.5442	0.2759	0.6669
cnae-9	0.6759	0.0720	0.6759	0.6354	0.1588
codon_usage	0.6109	0.0707	0.6109	0.5151	0.2392
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.6207	0.3793	0.6207	0.0807	0.8598
colposcopies-3	0.6897	0.3103	0.6897	0.2810	0.4723
colposcopies-4	0.7931	0.2069	0.7931	0.3256	0.3750
colposcopies-5	0.8276	0.1724	0.8276	0.2077	0.6891
colposcopies-6	0.6207	0.3793	0.6207	0.2200	0.5093
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.7742	0.1505	0.7742	0.6347	0.3048
connect-4	0.9836	0.0110	0.9836	0.4321	0.0332
cottonmeloidogyne	0.6442	0.3558	0.6442	0.2925	0.6895

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7240	0.2760	0.7240	0.4275	0.7866
covtypeCD	0.9886	0.0114	0.9886	0.9507	0.1097
covtypeT	0.9823	0.0177	0.9823	0.8557	0.2155
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9152	0.0283	0.9152	0.8184	0.1694
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.5938	0.0203	0.5938	0.5827	0.0485
cyclopentane	0.7407	0.2593	0.7407	0.4615	0.7356
cylinder-bands	0.7037	0.2963	0.7037	0.3344	0.4688
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8287	0.1713	0.8287	0.4062	0.6356
deposit	0.9009	0.0991	0.9009	0.4342	0.5927
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.3750	0.4167	0.3750	-0.0811	0.6784
dexter	0.8667	0.1333	0.8667	0.7333	0.4499
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9423	0.0577	0.9423	0.8770	0.2901
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.0000	0.5000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.3750	0.6250	0.3750	-0.3433	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7585	0.1610	0.7585	0.5863	0.4377
drug-01	0.4043	0.1702	0.4043	0.0155	0.3287
drug-02	0.5372	0.1322	0.5372	0.0960	0.4377
drug-03	0.7021	0.0851	0.7021	0.1140	0.2698
drug-04	0.5319	0.1337	0.5319	0.0417	0.4075
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4149	0.1672	0.4149	0.2480	0.4571
drug-07	0.4255	0.1641	0.4255	0.0104	0.3680
drug-08	0.5798	0.1201	0.5798	0.1327	0.3508
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5479	0.1292	0.5479	0.1220	0.4108
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6223	0.1079	0.6223	0.2661	0.3689
drug-14	0.6223	0.1079	0.6223	0.3147	0.4383
drug-15	0.7553	0.0699	0.7553	-0.0070	0.2452
drug-16	0.5798	0.1201	0.5798	0.2869	0.4094
drug-17	0.3936	0.1733	0.3936	0.1474	0.4228
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7660	0.0669	0.7660	0.0221	0.2388
drybean	0.9258	0.0212	0.9258	0.9102	0.1197
ecoli	0.7941	0.0515	0.7941	0.7115	0.1302
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.2667	0.6919
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1764	0.1029	0.1764	0.0430	0.3930
eeg-eye	0.6222	0.3778	0.6222	0.1731	0.5332
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.1836	0.6909
er_tox_cdk_ECFP2	0.7000	0.3000	0.7000	0.2000	0.6270
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7721	0.3678
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5866	0.6379
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	-0.0248	0.6330
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8809	0.1649
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.7039	0.5412
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6438	0.1425	0.6438	0.5323	0.3288
euthyroid	0.9652	0.0348	0.9652	0.7944	0.3409
fbis-wc	0.2805	0.0846	0.2805	0.1101	0.3141
fda.atompair_fp	0.6818	0.3182	0.6818	-0.0845	0.8266
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.4500	0.1375	0.4500	0.2517	0.2678
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4253	0.0075	0.4253	0.3704	0.2644
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9490	0.0170	0.9490	0.9382	0.0866
gastrointestinal	0.8750	0.0833	0.8750	0.8012	0.2249
gender	0.5895	0.2737	0.5895	0.0039	0.3341
gene	0.9274	0.0484	0.9274	0.8839	0.1909
german	0.7200	0.2800	0.7200	0.2802	0.6783
gina	0.8646	0.1354	0.8646	0.7281	0.4786
glass	0.8095	0.0635	0.8095	0.7246	0.1432
glassBWFP	0.8571	0.1429	0.8571	0.7042	0.5490
glassBWNFP	0.8571	0.1429	0.8571	0.6897	0.5637
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8710	0.2846
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2727	0.5717
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.8618	0.0230	0.8618	0.8364	0.1149
hayes-roth	0.6250	0.2500	0.6250	0.4074	0.3966
hcc-survival	0.7647	0.2353	0.7647	0.5143	0.7332
heart	0.8519	0.1481	0.8519	0.6932	0.5645
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8500	0.1500	0.8500	0.6250	0.5806
higher	0.2143	0.1964	0.2143	0.0494	0.4213
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8836	0.1164	0.8836	0.5311	0.5662
hiva	0.9574	0.0426	0.9574	-0.0120	0.5357
horse	0.5833	0.2778	0.5833	0.2416	0.6321
htru2	0.9777	0.0223	0.9777	0.8580	0.2226
hypothyroid	0.9867	0.0066	0.9867	0.9165	0.0256
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7119	0.2881	0.7119	0.0000	0.4327
immuno-therapy	0.7778	0.2222	0.7778	0.0000	0.3750
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6521	0.0268	0.6521	0.6382	0.1471
jm1	0.8118	0.1882	0.8118	0.0664	0.4410
lvowels	0.9578	0.0094	0.9578	0.9522	0.0642
kc1	0.8626	0.1374	0.8626	0.2727	0.5332
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.2708	0.0880
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.2798	0.6895
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6977	0.0336	0.6977	0.6613	0.3192
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.4698	0.1767	0.4698	0.2621	0.3088
la2s-wc	0.5430	0.1523	0.5430	0.3682	0.2835
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.6471	0.0176	0.6471	0.6314	0.0667
led24	0.7000	0.0600	0.7000	0.6620	0.1230
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.6980	0.0232	0.6980	0.6862	0.1856
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8889	0.0148	0.8889	0.8809	0.0384
liver	0.6765	0.3235	0.6765	0.3100	0.8329
lrs	0.8868	0.0226	0.8868	0.8434	0.0707
lsvt	0.8462	0.1538	0.8462	0.6389	0.6067
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5263	0.4308
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.5000	0.5000	0.5000	0.0000	0.6186
magic04	0.8401	0.1599	0.8401	0.6186	0.4896
mammography	0.8229	0.1771	0.8229	0.6458	0.6162
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7921	0.1386	0.7921	0.6825	0.4114
messidor	0.6174	0.3826	0.6174	0.2688	0.8027
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.9444	0.0278	0.9444	0.9234	0.0743
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0416
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1613
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0569
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.2004
mfeat-pix	0.9600	0.0080	0.9600	0.9556	0.0478
mfeat-zer	0.7700	0.0460	0.7700	0.7444	0.1542
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4081	0.4627
mobile	0.7483	0.0090	0.7483	0.7436	0.1049

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.8525	0.1475	0.8525	0.6451	0.4631
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9348	0.0652	0.9348	0.6988	0.1763
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9385
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.6664
MUT_ci034254q-MACCS	0.7049	0.2951	0.7049	0.3993	0.8090
MUT_ci300400a	0.5927	0.4073	0.5927	0.0511	0.5298
MUT_ci300400a_cdk_ECFP2	0.5935	0.4065	0.5935	0.0318	0.5457
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9472	0.0528	0.9472	0.8943	0.2614
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
newspop	0.6231	0.3769	0.6231	0.2275	0.8790
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9486	0.0514	0.9486	0.8731	0.2975
NPHA-doctor-visits	0.4583	0.3611	0.4583	-0.0259	0.6029
nursery	0.9969	0.0012	0.9969	0.9955	0.0172
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9927	0.0073	0.9927	0.9796	0.0863
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.5743	0.0851	0.5743	0.4955	0.2032
oh10-wc	0.5333	0.0933	0.5333	0.4554	0.2305
oh15-wc	0.5543	0.0891	0.5543	0.4754	0.2283
oh5-wc	0.4615	0.1077	0.4615	0.3670	0.2726
optdigits	0.9644	0.0071	0.9644	0.9604	0.0508
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.7250	0.0138	0.7250	0.7179	0.0628
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9368	0.0632	0.9368	0.2575	0.1626
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9726	0.0110	0.9726	0.8354	0.1611
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.8289	0.1711	0.8289	0.4348	0.5007
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1537
pendigits	0.9882	0.0024	0.9882	0.9868	0.0177
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8144	0.1856	0.8144	0.5741	0.6540
P-Glycoprotein_b_Substrate	0.5600	0.4400	0.5600	0.1200	0.9354
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7791	0.4162
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5000	0.7435
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9714	0.0286	0.9714	0.9395	0.1524
phoneme	0.8963	0.1037	0.8963	0.7395	0.4788
phy	0.6892	0.3108	0.6892	0.3782	0.8334
pima	0.6842	0.3158	0.6842	0.2808	0.7925

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.7222	0.2778	0.7222	0.0000	0.4246
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9323	0.0677	0.9323	0.0822	0.2909
polya	0.6443	0.3557	0.6443	0.0094	0.5030
popularity	0.6310	0.2460	0.6310	-0.0003	0.3070
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.7306	0.1078	0.7306	0.6633	0.2641
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7804
primary-tumor	0.5152	0.0441	0.5152	0.4551	0.1780
profb	0.7164	0.2836	0.7164	0.2214	0.6914
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.4467	0.0851	0.4467	0.1046	0.2496
re1-wc	0.4398	0.0448	0.4398	0.3141	0.2181
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6488	0.3512	0.6488	0.2630	0.8877
satimage	0.8802	0.0399	0.8802	0.8512	0.1622
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.8989	0.1011	0.8989	0.0240	0.3137
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.5556	0.4444	0.5556	0.0526	0.7987
schizo	0.5000	0.5000	0.5000	0.0000	0.9949
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.6299	0.3701	0.6299	0.3074	0.5334
segment	0.9740	0.0074	0.9740	0.9696	0.0368
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9875	0.0023	0.9875	0.9863	0.0202
shoppers	0.8938	0.1062	0.8938	0.5673	0.5843
shuttle	0.9995	0.0001	0.9995	0.9985	0.0141
sick	0.9708	0.0292	0.9708	0.7038	0.0927
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6316	0.3684	0.6316	0.2652	0.8937
solar-flare	0.7482	0.0839	0.7482	0.6773	0.2185
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	0.9853	0.0015	0.9853	0.9839	0.0053
spambase	0.9087	0.0913	0.9087	0.8027	0.3320
spect	0.8148	0.1852	0.8148	0.3478	0.6626
spectf	0.9429	0.0571	0.9429	0.8511	0.1808
spectrometer	0.3962	0.0252	0.3962	0.3502	0.1734
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9590	0.0410	0.9590	0.8890	0.2961
sport-articles	0.8600	0.1400	0.8600	0.6963	0.5487
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	1.0000	0.0000	1.0000	1.0000	0.0000
steel-b	0.8564	0.1436	0.8564	0.5431	0.6314

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8987	0.0675	0.8987	0.8353	0.2303
steel-k	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o	0.7385	0.2615	0.7385	0.3196	0.5859
steel-p	0.9179	0.0821	0.9179	0.1729	0.5109
steel-s	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.6923	0.2051	0.6923	0.5094	0.3569
student-weekend	0.3846	0.2462	0.3846	0.1207	0.5936
student-workday	0.7188	0.1125	0.7188	0.1783	0.3221
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6840
Tdp_desc	0.9167	0.0833	0.9167	0.7216	0.2185
texture	0.9673	0.0060	0.9673	0.9639	0.0417
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9684	0.0316	0.9684	0.9276	0.1262
tis	0.8743	0.1257	0.8743	0.6477	0.5545
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.7647	0.1176	0.7647	0.6881	0.1835
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.7647	0.2353	0.7647	0.3929	0.4155
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	-0.0345	0.9007
trec11-wc	0.5854	0.0921	0.5854	0.4477	0.2773
trec12-wc	0.6774	0.0806	0.6774	0.5889	0.1466
trec21-wc	0.7879	0.0707	0.7879	0.4366	0.1287
trec23-wc	0.7143	0.0952	0.7143	0.5842	0.2265
trec31-wc	0.7204	0.0799	0.7204	0.6103	0.1802
trec41-wc	0.5568	0.0886	0.5568	0.4084	0.1917
trec45-wc	0.4638	0.1072	0.4638	0.3248	0.2603
tuandromd	0.9865	0.0135	0.9865	0.9582	0.1317
turkish	0.7250	0.1375	0.7250	0.6333	0.2577
urban	0.8209	0.0398	0.8209	0.7895	0.1631
vehicle	0.8095	0.0952	0.8095	0.7413	0.2035
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	0.7500	0.2500	0.7500	0.4706	0.7427
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.7778	0.0404	0.7778	0.7556	0.1465
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.3077	0.0692	0.3077	0.1330	0.2983
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8180	0.1213	0.8180	0.7271	0.3650
web-phishing	0.8593	0.0938	0.8593	0.7493	0.3913
weight-lift	0.4189	0.2325	0.4189	0.2035	0.3312
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9834	0.0166	0.9834	0.8011	0.1818
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6667	0.1111	0.6667	0.4456	0.2815
winequality-white	0.5092	0.1402	0.5092	0.1684	0.3738
yale	0.6875	0.0417	0.6875	0.6667	0.0602
yeast	0.5811	0.0838	0.5811	0.4642	0.3078

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9662	0.0338	0.9662	0.4325	0.1018
zip	0.9333	0.0133	0.9333	0.9253	0.1001
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 218: Detailed results for HistGradientBoostingTrees (100)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0839	0.0632	0.0839	-0.0011	0.4248
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9834	0.0166	0.9834	0.3832	0.4561
ads	0.9787	0.0213	0.9787	0.9073	0.1433
adult	0.8694	0.1306	0.8694	0.6141	0.5656
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8381	0.1619	0.8381	0.2947	0.6359
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9973	0.0027	0.9973	-0.0003	0.0884
AID373red	0.9973	0.0027	0.9973	-0.0013	0.4293
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3127	0.8572
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9996	0.0004	0.9996	0.9392	0.0936
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.2496	0.3797
AID644Morered	0.5500	0.4500	0.5500	-0.1250	0.9680
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9982	0.0018	0.9982	-0.0008	0.3935
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9926	0.0074	0.9926	-0.0017	0.1882
AID746red	0.9945	0.0055	0.9945	0.2649	0.2822
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9917	0.0042	0.9917	0.9841	0.0246
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9917	0.0021	0.9917	0.9863	0.0450
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0191
aps-failure	0.9939	0.0061	0.9939	0.8158	0.2390
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7556	0.0376	0.7556	0.6087	0.2555
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6522	0.0290	0.6522	0.5938	0.0929
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8000	0.1294
avila	0.9703	0.0050	0.9703	0.9614	0.1697
balance	0.8710	0.0860	0.8710	0.7735	0.3032
bank	0.9155	0.0845	0.9155	0.5530	0.5736
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7942	0.3816
basehock	0.9648	0.0352	0.9648	0.9297	0.1892
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1595
bridges	0.6000	0.1143	0.6000	0.4667	0.1012
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8873	0.0225	0.8873	0.8650	0.1277
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8677	0.1902
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7260	0.2722
cas_N6512_cdk_ECFP2	0.7665	0.2335	0.7665	0.5290	0.7244
census10%	0.9566	0.0434	0.9566	0.5050	0.4076
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9302	0.0698	0.9302	0.2229	0.5285
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4057	0.7969
cirrhosis	0.8095	0.1270	0.8095	0.6056	0.2977
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8657	0.0671	0.8657	0.7910	0.2969
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5714	0.2857	0.5714	0.3248	0.6744
cnae-9	0.8611	0.0309	0.8611	0.8438	0.1399
codon_usage	0.9417	0.0106	0.9417	0.9290	0.0975
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9800	0.0027	0.9800	0.9780	0.0067
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.7241	0.2759	0.7241	0.4171	0.7845
colposcopies-2	0.7586	0.2414	0.7586	0.4377	0.6462
colposcopies-3	0.5862	0.4138	0.5862	0.1471	0.9416
colposcopies-4	0.8621	0.1379	0.8621	0.5915	0.3064
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9988	0.0008	0.9988	0.9731	0.0280
cottonmeloidogyne	0.7837	0.2163	0.7837	0.5675	0.6913

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7626	0.2374	0.7626	0.5089	0.7272
covtypeCD	0.9945	0.0055	0.9945	0.9768	0.0776
covtypeT	0.9868	0.0132	0.9868	0.8965	0.2178
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5475	0.5986
crowdsourced	0.9650	0.0117	0.9650	0.9279	0.0888
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.4062	0.0297	0.4062	0.3896	0.0783
cyclopentane	0.5926	0.4074	0.5926	0.1681	0.9372
cylinder-bands	0.7963	0.2037	0.7963	0.5858	0.6749
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8263	0.1737	0.8263	0.4031	0.6494
deposit	0.9049	0.0951	0.9049	0.5013	0.5997
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4839	0.2059
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4676	0.7578
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5747	0.2836	0.5747	0.1951	0.6140
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7743	0.1505	0.7743	0.6251	0.4619
drug-01	0.2819	0.2052	0.2819	-0.0505	0.7154
drug-02	0.4894	0.1459	0.4894	0.1221	0.6326
drug-03	0.6223	0.1079	0.6223	0.0221	0.4890
drug-04	0.4574	0.1550	0.4574	0.0666	0.7687
drug-05	0.7128	0.0821	0.7128	0.0040	0.3472
drug-06	0.3564	0.1839	0.3564	0.1993	0.6315
drug-07	0.4096	0.1687	0.4096	0.0429	0.5024
drug-08	0.5266	0.1353	0.5266	0.1547	0.5797
drug-09	0.8670	0.0380	0.8670	0.1172	0.3114
drug-10	0.5372	0.1322	0.5372	0.2020	0.5933
drug-11	0.8245	0.0502	0.8245	0.0638	0.4747
drug-12	0.7713	0.0654	0.7713	0.0580	0.4485
drug-13	0.6117	0.1109	0.6117	0.2811	0.4313
drug-14	0.5691	0.1231	0.5691	0.2531	0.6329
drug-15	0.7553	0.0699	0.7553	0.1924	0.5549
drug-16	0.5532	0.1277	0.5532	0.2719	0.5433
drug-17	0.3457	0.1869	0.3457	0.1384	0.7376
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.1458	0.4309
drybean	0.9280	0.0206	0.9280	0.9129	0.1158
ecoli	0.7647	0.0588	0.7647	0.6695	0.1715
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.5724	0.0535	0.5724	0.5257	0.5122
eeg-eye	0.8812	0.1188	0.8812	0.7582	0.4750
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7407	0.4940
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6849	0.1260	0.6849	0.5918	0.3434
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8943	0.0124	0.8943	0.8801	0.0611
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6845	0.0975
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4172	0.0074	0.4230	0.3633	0.2641
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9950	0.0017	0.9950	0.9939	0.0128
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5516	0.2989	0.5516	0.0716	0.6288
gene	0.9495	0.0336	0.9495	0.9190	0.1531
german	0.7000	0.3000	0.7000	0.2405	0.7630
gina	0.9568	0.0432	0.9568	0.9136	0.2321
glass	0.7619	0.0794	0.7619	0.6698	0.2551
glassBWFP	0.7619	0.2381	0.7619	0.4560	0.6789
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1768	0.5058
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.5773	0.0704	0.5773	0.5007	0.5563
hayes-roth	0.5625	0.2917	0.5625	0.3212	0.6135
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higher	0.2857	0.1786	0.2857	0.1411	0.3168
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9207	0.0793	0.9207	0.6969	0.4458
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6944	0.2037	0.6944	0.4560	0.5235
htru2	0.9782	0.0218	0.9782	0.8643	0.2453
hypothyroid	0.9947	0.0027	0.9947	0.9680	0.0164
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6949	0.3051	0.6949	0.1690	0.8638
immuno-therapy	0.6667	0.3333	0.6667	-0.1739	0.9159
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9281	0.0055	0.9281	0.9252	0.0667
jm1	0.8274	0.1726	0.8274	0.2752	0.6274
jvowels	0.9930	0.0016	0.9930	0.9920	0.0132
kc1	0.8720	0.1280	0.8720	0.3665	0.5495
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.0522
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8462	0.1538	0.8462	0.4680	0.6202
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6296	0.0412	0.6296	0.5853	0.4185
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.9079	0.0307	0.9079	0.8836	0.1584
la2s-wc	0.9172	0.0276	0.9172	0.8956	0.1598
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6304	0.0726
led24	0.6500	0.0700	0.6500	0.6067	0.1603
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9605	0.0030	0.9605	0.9589	0.0460
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0673
liver	0.7941	0.2059	0.7941	0.5182	0.7036
lrs	0.8302	0.0340	0.8302	0.7633	0.1039
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.8423	0.1577	0.8423	0.6846	0.5760
magic04	0.8874	0.1126	0.8874	0.7477	0.4716
mammography	0.7812	0.2188	0.7812	0.5636	0.6896
MAO_MACCS	0.7143	0.2857	0.7143	0.4167	0.8058
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.7217	0.2783	0.7217	0.4232	0.7872
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0379
mfeat-fou	0.8350	0.0330	0.8350	0.8167	0.1416
mfeat-kar	0.9750	0.0050	0.9750	0.9722	0.0315
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2087
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-zer	0.7950	0.0410	0.7950	0.7722	0.1195
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4601
mobile	0.9021	0.0035	0.9021	0.9003	0.0454

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9848	0.0152	0.9848	0.9396	0.0605
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6623
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4661	0.7605
MUT_ci300400a	0.8509	0.1491	0.8509	0.6936	0.5614
MUT_ci300400a_cdk_ECFP2	0.8118	0.1882	0.8118	0.6099	0.6460
myocardial	0.8882	0.0279	0.8882	0.4439	0.0935
naticusdroid	0.9700	0.0300	0.9700	0.9400	0.1816
nci9	0.8333	0.0370	0.8333	0.8000	0.0440
newspop	0.6768	0.3232	0.6768	0.3480	0.8494
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9660	0.0340	0.9660	0.9166	0.2232
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0630	0.7868
nursery	0.9429	0.0228	0.9429	0.9164	0.1320
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9810	0.0858
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.8713	0.0257	0.8713	0.8523	0.1168
oh10-wc	0.7810	0.0438	0.7810	0.7514	0.2080
oh15-wc	0.8152	0.0370	0.8152	0.7897	0.1760
oh5-wc	0.8022	0.0396	0.8022	0.7759	0.1789
optdigits	0.9662	0.0068	0.9662	0.9624	0.0483
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9305	0.0278	0.9305	0.5345	0.3639
pah.atompair_fp	0.8000	0.2000	0.8000	0.5455	0.4011
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4794	0.5206	0.4794	-0.1031	1.0000
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9945	0.0011	0.9945	0.9939	0.0103
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6504	0.5924
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9755	0.0245	0.9755	0.9482	0.1381
phoneme	0.9111	0.0889	0.9111	0.7820	0.4451
phy	0.7402	0.2598	0.7402	0.4804	0.7650
pima	0.7368	0.2632	0.7368	0.4225	0.7566

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.5556	0.4444	0.5556	-0.1077	0.9442
polish-1st	0.9815	0.0185	0.9815	0.6744	0.0639
polish-2nd	0.9744	0.0256	0.9744	0.5550	0.2909
polish-3rd	0.9619	0.0381	0.9619	0.4278	0.3976
polish-4th	0.9724	0.0276	0.9724	0.6892	0.3547
polish-5th	0.9712	0.0288	0.9712	0.7389	0.2318
polya	0.8000	0.2000	0.8000	0.5556	0.6801
popularity	0.6789	0.2140	0.6789	0.2602	0.4816
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9959	0.0016	0.9959	0.9949	0.0130
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.3939	0.0551	0.3939	0.3333	0.2536
profb	0.7015	0.2985	0.7015	0.2725	0.8402
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8733	0.0195	0.8733	0.8368	0.1644
re1-wc	0.8313	0.0135	0.8313	0.8075	0.1321
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7068	0.2932	0.7068	0.3937	0.8178
satimage	0.9160	0.0280	0.9160	0.8964	0.1431
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9518	0.0482	0.9518	0.7089	0.3925
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9997	0.0003	0.9997	0.9993	0.0042
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9341	0.0659	0.9341	0.2346	0.5292
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sens-2-gram	0.8737	0.1263	0.8737	0.1412	0.4751
sens-3-gram	0.8868	0.1132	0.8868	0.2783	0.4458
sens-4-gram	0.8763	0.1237	0.8763	0.1701	0.4692
sensorless	0.9986	0.0002	0.9986	0.9985	0.0032
shoppers	0.8970	0.1030	0.8970	0.5646	0.5599
shuttle	0.9947	0.0015	0.9947	0.9850	0.1213
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7626	0.0791	0.7626	0.6972	0.2261
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9478	0.0522	0.9478	0.8909	0.2817
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.5849	0.0173	0.5849	0.5610	0.1156
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9495	0.0505	0.9495	0.8615	0.3301
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	0.6000	0.2667	0.6000	0.3750	0.4000
squash-unstored	0.4000	0.4000	0.4000	0.0000	0.2619
steel-b	0.9026	0.0974	0.9026	0.6929	0.4949

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.9135	0.0576	0.9135	0.8595	0.2118
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8308	0.1692	0.8308	0.6129	0.6066
steel-p	0.9333	0.0667	0.9333	0.4840	0.5404
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.3692	0.2523	0.3692	0.1364	0.6789
student-workday	0.7031	0.1187	0.7031	0.2205	0.3434
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9836	0.0030	0.9836	0.9820	0.0255
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9211	0.0789	0.9211	0.8131	0.4145
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9222	0.0778	0.9222	0.7851	0.4035
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5342	0.2560
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.5882	0.4118	0.5882	0.0630	0.9501
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.1398	0.9213
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9659	0.0068	0.9659	0.9583	0.0329
trec45-wc	0.9855	0.0029	0.9855	0.9831	0.0066
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.6750	0.1625	0.6750	0.5667	0.3549
urban	0.8657	0.0299	0.8657	0.8430	0.1242
vehicle	0.7738	0.1131	0.7738	0.6947	0.2074
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5758	0.0771	0.5758	0.5333	0.2090
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
wap-wc	0.8526	0.0147	0.8526	0.8351	0.1173
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
waveform	0.8340	0.1107	0.8340	0.7510	0.3783
web-phishing	0.8667	0.0889	0.8667	0.7628	0.3790
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0038
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7233	0.0922	0.7233	0.5516	0.3112
winequality-white	0.6830	0.0906	0.6830	0.5162	0.3513
yale	0.6250	0.0500	0.6250	0.6000	0.0873
yeast	0.5811	0.0838	0.5811	0.4579	0.3870

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9581	0.0084	0.9581	0.9530	0.0687
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 219: Detailed results for HybridGB (100)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1559	0.0582	0.1559	0.0776	0.5757
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9847	0.0153	0.9847	0.3735	0.3579
ads	0.9787	0.0213	0.9787	0.9073	0.1433
adult	0.8694	0.1306	0.8694	0.6153	0.5676
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8889	0.1111	0.8889	0.3010	0.2451
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8095	0.1905	0.8095	0.1477	0.7218
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9988	0.0012	0.9988	0.2220	0.2820
AID373red	0.9938	0.0062	0.9938	-0.0017	0.2194
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2789	0.8812
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.1994	0.5258
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9961	0.0039	0.9961	-0.0010	0.2075
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red	0.9943	0.0057	0.9943	0.1891	0.2321
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9663	0.0135	0.9663	0.9297	0.1089
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9889	0.0056	0.9889	0.9788	0.0303
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9903	0.0024	0.9903	0.9840	0.0745
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0208
aps-failure	0.9946	0.0054	0.9946	0.8365	0.2136
arcene	0.9000	0.1000	0.9000	0.7826	0.2846
arrhythmia	0.7778	0.0342	0.7778	0.6440	0.2232
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7484	0.0580
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.4360	0.0940	0.4360	0.1154	0.5458
balance	0.8548	0.0968	0.8548	0.7424	0.3219
bank	0.9143	0.0857	0.9143	0.5425	0.5763
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9101	0.0899	0.9101	0.7996	0.3766
basehock	0.9698	0.0302	0.9698	0.9397	0.1709
biodeg	0.9143	0.0857	0.9143	0.8174	0.3977
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.8000	0.0571	0.8000	0.7297	0.1179
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6612	0.2404
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.3846	0.4308
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	1.0000	0.0000	1.0000	1.0000	0.0000
card	0.8696	0.1304	0.8696	0.7311	0.5170
cardiotocography	0.8967	0.0207	0.8967	0.8764	0.1213
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8677	0.1902
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.3189
cas_N6512_cdk_ECFP2	0.7742	0.2258	0.7742	0.5457	0.7119
census10%	0.9562	0.0438	0.9562	0.5029	0.4146
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8429	0.3626
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8364	0.1636	0.8364	0.6426	0.6065
ci900367j_MACCS	0.7368	0.2632	0.7368	0.4379	0.7824
cirrhosis	0.8333	0.1111	0.8333	0.6581	0.2775
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8731	0.0634	0.8731	0.8027	0.2799
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.7500	0.1667	0.7500	0.5814	0.3402
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5510	0.2993	0.5510	0.2957	0.6957
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0728
codon_usage	0.9493	0.0092	0.9493	0.9383	0.0810
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6897	0.3103	0.6897	0.3290	0.8399
colposcopies-2	0.7241	0.2759	0.7241	0.3446	0.6808
colposcopies-3	0.5862	0.4138	0.5862	0.1256	0.9452
colposcopies-4	0.8276	0.1724	0.8276	0.4649	0.3439
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.7931	0.2069	0.7931	0.3741	0.7372
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6810	0.2682
connect-4	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne	0.7957	0.2043	0.7957	0.5914	0.6719

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7673	0.2326	0.7673	0.5197	0.7213
covtypeCD	0.9935	0.0065	0.9935	0.9726	0.0892
covtypeT	0.9878	0.0122	0.9878	0.9049	0.2085
cox2_cdk_ECFP2	0.8478	0.1522	0.8478	0.4953	0.6672
crowdsourced	0.9576	0.0141	0.9576	0.9127	0.1067
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5312	0.0234	0.5312	0.5171	0.0726
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8293	0.1707	0.8293	0.4130	0.6395
deposit	0.9062	0.0938	0.9062	0.4706	0.5739
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.8750	0.0833	0.8750	0.7419	0.1376
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5179	0.7048
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5668	0.2888	0.5668	0.1662	0.5973
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.6667	0.3333	0.6667	0.2500	0.7414
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7788	0.1475	0.7788	0.6303	0.4540
drug-01	0.3085	0.1976	0.3085	-0.0066	0.7131
drug-02	0.4628	0.1535	0.4628	0.1108	0.6780
drug-03	0.6543	0.0988	0.6543	0.1054	0.4997
drug-04	0.5053	0.1413	0.5053	0.1181	0.6930
drug-05	0.7181	0.0805	0.7181	-0.0215	0.3454
drug-06	0.3670	0.1809	0.3670	0.2081	0.6212
drug-07	0.4149	0.1672	0.4149	0.0575	0.5160
drug-08	0.5266	0.1353	0.5266	0.1616	0.6432
drug-09	0.8723	0.0365	0.8723	0.1268	0.2064
drug-10	0.5213	0.1368	0.5213	0.1611	0.5417
drug-11	0.8298	0.0486	0.8298	0.0717	0.4764
drug-12	0.7606	0.0684	0.7606	-0.0193	0.4590
drug-13	0.6011	0.1140	0.6011	0.2435	0.4420
drug-14	0.5691	0.1231	0.5691	0.2752	0.5752
drug-15	0.7500	0.0714	0.7500	0.1539	0.5317
drug-16	0.5479	0.1292	0.5479	0.2686	0.5711
drug-17	0.3457	0.1869	0.3457	0.1385	0.7572
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.1237	0.4113
drybean	0.9317	0.0195	0.9317	0.9174	0.1099
ecoli	0.8235	0.0441	0.8235	0.7521	0.1278
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5610	0.0549	0.5610	0.5127	0.5191
eeg-eye	0.9005	0.0995	0.9005	0.7975	0.4171
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.7179	0.2821	0.7179	0.3644	0.7788
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7407	0.4940
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6617	0.5886
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6849	0.1260	0.6849	0.5942	0.3585
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8902	0.0129	0.8902	0.8754	0.0724
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.7500	0.0625	0.7500	0.6753	0.1161
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4172	0.0073	0.4273	0.3708	0.2707
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9950	0.0017	0.9950	0.9939	0.0122
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.5726	0.2849	0.5726	0.1003	0.6072
gene	0.9621	0.0252	0.9621	0.9395	0.1231
german	0.7400	0.2600	0.7400	0.3612	0.7202
gina	0.9568	0.0432	0.9568	0.9135	0.2382
glass	0.7619	0.0794	0.7619	0.6645	0.2397
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8571	0.1429	0.8571	0.6667	0.5507
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7317	0.5218
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2814	0.4541
haberman	0.7333	0.2667	0.7333	0.2593	0.8242
hapt	0.9854	0.0024	0.9854	0.9827	0.0176
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8333	0.1667	0.8333	0.6637	0.5926
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higher	0.4286	0.1429	0.4286	0.3212	0.2585
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.9140	0.0860	0.9140	0.6711	0.4763
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.7500	0.1667	0.7500	0.5580	0.4462
htru2	0.9782	0.0218	0.9782	0.8643	0.2453
hypothyroid	0.9947	0.0027	0.9947	0.9684	0.0764
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6780	0.3220	0.6780	0.1715	0.8815
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9281	0.0055	0.9281	0.9252	0.0642
jm1	0.8283	0.1717	0.8283	0.2739	0.6164
lvowels	0.9910	0.0020	0.9910	0.9898	0.0167
kc1	0.8578	0.1422	0.8578	0.3286	0.6454
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.0506
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.5440	0.0507	0.5440	0.4912	0.5210
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.9111	0.0296	0.9111	0.8877	0.1561
la2s-wc	0.9238	0.0254	0.9238	0.9040	0.1532
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6920	0.0537
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9650	0.0027	0.9650	0.9636	0.0422
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7620	0.0883
liver	0.8235	0.1765	0.8235	0.5968	0.6488
lrs	0.8491	0.0302	0.8491	0.7895	0.1052
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.8346	0.1654	0.8346	0.6692	0.5941
magic04	0.8901	0.1099	0.8901	0.7528	0.4595
mammography	0.7917	0.2083	0.7917	0.5850	0.6661
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.7304	0.2696	0.7304	0.4503	0.7830
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0541
mfeat-fou	0.8400	0.0320	0.8400	0.8222	0.1274
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0379
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2187
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0248
mfeat-zer	0.8000	0.0400	0.8000	0.7778	0.1147
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6765	0.1294	0.6765	0.5944	0.3657
mobile	0.9406	0.0021	0.9406	0.9395	0.0280

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9274	0.2074
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9848	0.0152	0.9848	0.9396	0.0605
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7794	0.2206	0.7794	0.5588	0.6950
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4026	0.8148
MUT_ci300400a	0.8383	0.1617	0.8383	0.6688	0.5914
MUT_ci300400a_cdk_ECFP2	0.8189	0.1811	0.8189	0.6242	0.6302
myocardial	0.8941	0.0265	0.8941	0.4848	0.0904
naticusdroid	0.9717	0.0283	0.9717	0.9434	0.1737
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
newspop	0.6715	0.3285	0.6715	0.3364	0.8546
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9675	0.0325	0.9675	0.9201	0.2163
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0659	0.7202
nursery	0.8086	0.0765	0.8086	0.7294	0.2864
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0835
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9010	0.0198	0.9010	0.8867	0.0938
oh10-wc	0.7905	0.0419	0.7905	0.7616	0.1943
oh15-wc	0.8804	0.0239	0.8804	0.8640	0.1202
oh5-wc	0.8132	0.0374	0.8132	0.7891	0.1679
optdigits	0.9698	0.0060	0.9698	0.9664	0.0438
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9000	0.0050	0.9000	0.8974	0.0181
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8952	0.1429
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.4588	0.5412	0.4588	-0.1594	1.0000
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.7941	0.0588	0.7941	0.7441	0.1659
pendigits	0.9927	0.0015	0.9927	0.9919	0.0134
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6633	0.5818
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8338
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.9000	0.1000	0.9000	0.7557	0.4803
phy	0.7416	0.2584	0.7416	0.4831	0.7628
pima	0.7632	0.2368	0.7632	0.4865	0.7232

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.5556	0.4444	0.5556	-0.2632	0.9745
polish-1st	0.9829	0.0171	0.9829	0.7062	0.0601
polish-2nd	0.9715	0.0285	0.9715	0.4790	0.3058
polish-3rd	0.9648	0.0352	0.9648	0.4775	0.3594
polish-4th	0.9714	0.0286	0.9714	0.6674	0.3395
polish-5th	0.9729	0.0271	0.9729	0.7575	0.2260
polya	0.8043	0.1957	0.8043	0.5640	0.6704
popularity	0.6807	0.2129	0.6807	0.2483	0.4469
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9940	0.0024	0.9940	0.9925	0.0186
pred-tox_mutagen_ref-desc	0.6471	0.3529	0.6471	0.2941	0.8832
primary-tumor	0.3636	0.0579	0.3636	0.2986	0.2261
profb	0.7313	0.2687	0.7313	0.3764	0.8037
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4596
re0-wc	0.8600	0.0215	0.8600	0.8191	0.1696
re1-wc	0.8434	0.0125	0.8434	0.8215	0.1256
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7083	0.2917	0.7083	0.3984	0.8150
satimage	0.9222	0.0259	0.9222	0.9041	0.1356
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9549	0.0451	0.9549	0.7277	0.3688
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5294	0.4706	0.5294	0.0588	0.9796
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9993	0.0007	0.9993	0.9987	0.0072
segment	0.9697	0.0087	0.9697	0.9646	0.0398
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9302	0.0698	0.9302	0.1566	0.5451
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8632	0.1368	0.8632	0.0445	0.5361
sens-2-gram	0.8816	0.1184	0.8816	0.2054	0.4125
sens-3-gram	0.8737	0.1263	0.8737	0.1843	0.5406
sens-4-gram	0.8816	0.1184	0.8816	0.2447	0.4930
sensorless	0.9991	0.0002	0.9991	0.9991	0.0020
shoppers	0.8962	0.1038	0.8962	0.5684	0.5695
shuttle	0.9769	0.0066	0.9769	0.9345	0.3017
sick	0.9894	0.0106	0.9894	0.9074	0.0422
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7914	0.0695	0.7914	0.7334	0.2048
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9522	0.0478	0.9522	0.8998	0.2622
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5660	0.0181	0.5660	0.5417	0.1144
splice-EI	0.9779	0.0221	0.9779	0.9427	0.1928
splice-IE	0.9527	0.0473	0.9527	0.8684	0.3049
sport-articles	0.8500	0.1500	0.8500	0.6728	0.5692
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8769	0.1231	0.8769	0.6084	0.5741

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.9104	0.0597	0.9104	0.8544	0.2152
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8205	0.1795	0.8205	0.5980	0.6433
steel-p	0.9179	0.0821	0.9179	0.4224	0.6229
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.4000	0.2400	0.4000	0.1820	0.6741
student-workday	0.7031	0.1187	0.7031	0.2205	0.3434
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6392
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9855	0.0026	0.9855	0.9840	0.0225
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.3411	0.5745
Thyroid_Diff	0.9474	0.0526	0.9474	0.8721	0.3093
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.9245	0.0755	0.9245	0.7920	0.3977
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.7059	0.1471	0.7059	0.6119	0.1908
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.5882	0.4118	0.5882	-0.0171	0.9466
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.1076	0.9215
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9394	0.0202	0.9394	0.8738	0.1141
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	0.9785	0.0061	0.9785	0.9712	0.0244
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9565	0.0087	0.9565	0.9492	0.0305
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.7500	0.1250	0.7500	0.6667	0.2715
urban	0.8955	0.0232	0.8955	0.8778	0.1061
vehicle	0.7619	0.1190	0.7619	0.6785	0.1885
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5859	0.0753	0.5859	0.5444	0.2292
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
wap-wc	0.8654	0.0135	0.8654	0.8494	0.0945
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8540	0.0973	0.8540	0.7810	0.3468
web-phishing	0.8593	0.0938	0.8593	0.7522	0.3965
weight-lift	0.9987	0.0005	0.9987	0.9984	0.0047
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7358	0.0881	0.7358	0.5705	0.3122
winequality-white	0.6667	0.0952	0.6667	0.4901	0.3855
yale	0.6875	0.0417	0.6875	0.6653	0.0824
yeast	0.5743	0.0851	0.5743	0.4488	0.3984

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9559	0.0088	0.9559	0.9506	0.0719
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 220: Detailed results for DiscreteAdaBoost(ova) (100)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1031	0.0619	0.1031	0.0289	0.5181
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9834	0.0166	0.9834	0.2047	0.2558
ads	0.9787	0.0213	0.9787	0.9090	0.1832
adult	0.8618	0.1382	0.8618	0.5787	0.5669
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	0.0458	0.8007
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7568	0.2432	0.7568	0.4900	0.7464
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9974	0.0026	0.9974	0.4177	0.0125
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.7000	0.3000	0.7000	0.2105	0.8520
AID_652128	0.8788	0.0808	0.8788	0.0616	0.1489
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9938	0.0062	0.9938	0.1758	0.3752
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.9077	0.0923	0.9077	0.7273	0.4552
all-aml	0.8333	0.1667	0.8333	0.5714	0.3522
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9761	0.0329
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0513
anuran-species	0.9903	0.0019	0.9903	0.9865	0.0137
aps-failure	0.9900	0.0100	0.9900	0.6369	0.1982
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5751	0.2887
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.8515	0.0248	0.8515	0.8059	0.1131
balance	0.8226	0.1183	0.8226	0.6889	0.3634
bank	0.9107	0.0893	0.9107	0.4984	0.5781
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8571	0.1429	0.8571	0.6687	0.4535
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
biodeg	0.8667	0.1333	0.8667	0.7226	0.5300
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1430
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8551	0.1449	0.8551	0.7026	0.5548
cardiotocography	0.8685	0.0263	0.8685	0.8421	0.1549
cardiotocography-nsp	0.9343	0.0438	0.9343	0.8149	0.2714
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2602
cas_N6512_cdk_ECFP2	0.6160	0.3840	0.6160	0.1908	0.7829
census10%	0.9502	0.0498	0.9502	0.4109	0.4555
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9651	0.0349	0.9651	0.7505	0.4614
cervical-C	0.9302	0.0698	0.9302	0.2158	0.6307
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.8750	0.1250	0.8750	0.7143	0.4644
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3885	0.7155
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.8035	0.4273
ci200186m_ExtendedFingerprinter	0.9091	0.0909	0.9091	0.7970	0.3704
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3670	0.8261
cirrhosis	0.7857	0.1429	0.7857	0.5605	0.3451
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8306	0.0847	0.8306	0.7357	0.3495
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cll_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5510	0.2993	0.5510	0.2895	0.6885
cnae-9	0.9537	0.0103	0.9537	0.9479	0.0517
codon_usage	0.8711	0.0234	0.8711	0.8426	0.1699
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5862	0.4138	0.5862	-0.0116	0.9557
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6207	0.3793	0.6207	0.2084	0.9148
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne	0.6659	0.3341	0.6659	0.3297	0.8174

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7413	0.2587	0.7413	0.4690	0.7667
covtypeCD	0.9816	0.0184	0.9816	0.9205	0.1736
covtypeT	0.9792	0.0208	0.9792	0.8350	0.2916
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.9115	0.0295	0.9115	0.8117	0.1589
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5000	0.0250	0.5000	0.4854	0.0682
cyclopentane	0.7778	0.2222	0.7778	0.5500	0.7072
cylinder-bands	0.7963	0.2037	0.7963	0.5664	0.6031
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8267	0.1733	0.8267	0.3882	0.6267
deposit	0.9025	0.0975	0.9025	0.4702	0.6011
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5746	0.6524
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5363	0.3091	0.5363	0.0025	0.4372
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5000	0.5000	0.5000	-0.0588	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dropout	0.7449	0.1701	0.7449	0.5674	0.5005
drug-01	0.3830	0.1763	0.3830	0.0644	0.6422
drug-02	0.4787	0.1489	0.4787	0.1926	0.7494
drug-03	0.6755	0.0927	0.6755	0.0267	0.4080
drug-04	0.4787	0.1489	0.4787	0.1144	0.7726
drug-05	0.7181	0.0805	0.7181	0.0023	0.3469
drug-06	0.4096	0.1687	0.4096	0.2728	0.6295
drug-07	0.3617	0.1824	0.3617	0.0304	0.5101
drug-08	0.5319	0.1337	0.5319	0.1459	0.5955
drug-09	0.8404	0.0456	0.8404	-0.0316	0.3629
drug-10	0.4894	0.1459	0.4894	0.1460	0.6069
drug-11	0.8351	0.0471	0.8351	0.0800	0.4859
drug-12	0.7660	0.0669	0.7660	-0.0326	0.3484
drug-13	0.5957	0.1155	0.5957	0.2847	0.5569
drug-14	0.5798	0.1201	0.5798	0.2679	0.5707
drug-15	0.7394	0.0745	0.7394	0.1593	0.5983
drug-16	0.5957	0.1155	0.5957	0.3384	0.4676
drug-17	0.2447	0.2158	0.2447	0.0551	0.8331
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7553	0.0699	0.7553	0.0094	0.3822
drybean	0.9258	0.0212	0.9258	0.9102	0.1232
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2411	0.0949	0.2411	0.1779	0.6242
eeg-eye	0.5981	0.4019	0.5981	0.1184	0.6069
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.5185	0.7271
er_tox_cdk_ECFP2	0.8333	0.1667	0.8333	0.6169	0.5922
er_tox_rdkit_ATOMPAIR	0.9508	0.0492	0.9508	0.5459	0.5759

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7406	0.3772
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7196	0.5081
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6712	0.1315	0.6712	0.5764	0.3306
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8659	0.0158	0.8659	0.8472	0.0855
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.7000	0.0750	0.7000	0.6166	0.1748
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4296	0.0076	0.4218	0.3785	0.2653
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.9957	0.0014	0.9957	0.9948	0.0109
gastrointestinal	0.7500	0.1667	0.7500	0.5897	0.3761
gender	0.5874	0.2751	0.5874	0.0156	0.4600
gene	0.9432	0.0379	0.9432	0.9096	0.1760
german	0.7000	0.3000	0.7000	0.2519	0.7851
gina	0.8040	0.1960	0.8040	0.6079	0.6568
glass	0.7619	0.0794	0.7619	0.6769	0.2763
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7551	0.4910
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3598	0.4894
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9726	0.0046	0.9726	0.9676	0.0278
hayes-roth	0.7500	0.1667	0.7500	0.6098	0.3148
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.8667	0.1333	0.8667	0.7321	0.5220
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higher	0.3571	0.1607	0.3571	0.2544	0.2858
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9224	0.0776	0.9224	0.6995	0.4256
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6389	0.2407	0.6389	0.3659	0.5722
htru2	0.9782	0.0218	0.9782	0.8627	0.2293
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7119	0.2881	0.7119	0.1995	0.8360
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9358	0.0049	0.9358	0.9332	0.0551
jm1	0.8127	0.1873	0.8127	0.0837	0.4725
lvowels	0.9669	0.0074	0.9669	0.9625	0.0457
kc1	0.8863	0.1137	0.8863	0.4083	0.3698
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1483
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7115	0.2885	0.7115	0.1055	0.8536
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9269	0.0081	0.9269	0.9184	0.1085
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8762	0.0413	0.8762	0.8428	0.1907
la2s-wc	0.9040	0.0320	0.9040	0.8784	0.1666
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6618	0.0557
led24	0.6500	0.0700	0.6500	0.6067	0.1603
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9455	0.0042	0.9455	0.9433	0.0616
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8611	0.0185	0.8611	0.8511	0.0418
liver	0.7059	0.2941	0.7059	0.3585	0.8145
lrs	0.8679	0.0264	0.8679	0.8158	0.0756
lsvt	0.7692	0.2308	0.7692	0.4935	0.7226
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5154	0.4846	0.5154	0.0308	0.9890
magic04	0.8048	0.1952	0.8048	0.5266	0.5613
mammography	0.8021	0.1979	0.8021	0.6052	0.6507
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.6174	0.3826	0.6174	0.2493	0.8761
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9850	0.0030	0.9850	0.9833	0.0189
mfeat-fou	0.8250	0.0350	0.8250	0.8056	0.1441
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0445
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.2016
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0253
mfeat-zer	0.7900	0.0420	0.7900	0.7667	0.1250
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5196	0.4130
mobile	0.9441	0.0020	0.9441	0.9430	0.0261

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9803	0.0197	0.9803	0.9218	0.1330
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9709
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4638	0.5362	0.4638	-0.0786	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.6809
MUT_ci034254q-MACCS	0.7213	0.2787	0.7213	0.4343	0.7896
MUT_ci300400a	0.6942	0.3058	0.6942	0.4003	0.7801
MUT_ci300400a_cdk_ECFP2	0.6499	0.3501	0.6499	0.1954	0.6651
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9707	0.0293	0.9707	0.9414	0.1784
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9605	0.0395	0.9605	0.9028	0.2471
NPHA-doctor-visits	0.4167	0.3889	0.4167	0.0046	0.8264
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0700
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.9208	0.0158	0.9208	0.9093	0.0757
oh10-wc	0.8095	0.0381	0.8095	0.7818	0.1798
oh15-wc	0.8478	0.0304	0.8478	0.8263	0.1394
oh5-wc	0.8132	0.0374	0.8132	0.7889	0.1674
optdigits	0.9769	0.0046	0.9769	0.9743	0.0312
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9250	0.0037	0.9250	0.9231	0.0141
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9854	0.0059	0.9854	0.9169	0.1082
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.4845	0.5155	0.4845	-0.0903	1.0000
pd	0.8947	0.1053	0.8947	0.7193	0.5115
pediatric-leukemia	0.8824	0.0336	0.8824	0.8550	0.0942
pendigits	0.9936	0.0013	0.9936	0.9929	0.0118
period	0.7778	0.2222	0.7778	0.5000	0.7296
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.7784	0.2216	0.7784	0.4815	0.7164
P-Glycoprotein_b_Substrate	0.5800	0.4200	0.5800	0.1600	0.9238
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8413	0.1587	0.8413	0.6838	0.5614
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9837	0.0163	0.9837	0.9657	0.1170
phoneme	0.8167	0.1833	0.8167	0.5698	0.6670
phy	0.6328	0.3672	0.6328	0.2636	0.7930
pima	0.7237	0.2763	0.7237	0.3824	0.7533

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.5556	0.4444	0.5556	-0.1077	0.9442
polish-1st	0.9602	0.0398	0.9602	0.1144	0.4253
polish-2nd	0.9587	0.0413	0.9587	-0.0038	0.3224
polish-3rd	0.9505	0.0495	0.9505	0.0619	0.3991
polish-4th	0.9520	0.0480	0.9520	0.3827	0.5053
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6562	0.3438	0.6562	0.0673	0.6222
popularity	0.6315	0.2456	0.6315	0.0019	0.3100
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9490	0.0204	0.9490	0.9363	0.1020
pred-tox_mutagen_ref-desc	0.6765	0.3235	0.6765	0.3529	0.8502
primary-tumor	0.3333	0.0606	0.3333	0.2659	0.2455
profb	0.7463	0.2537	0.7463	0.3893	0.7756
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8444	0.1556	0.8444	0.6889	0.5627
re0-wc	0.8600	0.0215	0.8600	0.8151	0.1437
re1-wc	0.8494	0.0120	0.8494	0.8276	0.1037
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0036	0.6174
satimage	0.8927	0.0358	0.8927	0.8674	0.1593
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9269	0.0731	0.9269	0.5379	0.5215
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.4412	0.5588	0.4412	-0.1176	1.0000
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.6822	0.3178	0.6822	0.3989	0.5133
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9264	0.0736	0.9264	-0.0141	0.5085
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8658	0.1342	0.8658	0.0232	0.4453
sens-2-gram	0.8737	0.1263	0.8737	0.1843	0.5406
sens-3-gram	0.8579	0.1421	0.8579	0.0587	0.6232
sens-4-gram	0.8605	0.1395	0.8605	0.1319	0.6470
sensorless	0.9993	0.0001	0.9993	0.9992	0.0016
shoppers	0.8840	0.1160	0.8840	0.5003	0.5994
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9867	0.0133	0.9867	0.8819	0.0504
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7482	0.0839	0.7482	0.6791	0.2340
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9130	0.0870	0.9130	0.8175	0.3996
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6226	0.0157	0.6226	0.6008	0.0982
splice-EI	0.9811	0.0189	0.9811	0.9507	0.1724
splice-IE	0.9558	0.0442	0.9558	0.8831	0.3136
sport-articles	0.8000	0.2000	0.8000	0.5757	0.6783
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8256	0.1744	0.8256	0.3872	0.6772

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8913	0.0725	0.8913	0.8240	0.2540
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7128	0.2872	0.7128	0.2559	0.6890
steel-p	0.9333	0.0667	0.9333	0.4474	0.5093
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1415	0.5464
student-weekend	0.4154	0.2338	0.4154	0.2006	0.7076
student-workday	0.7031	0.1187	0.7031	0.1677	0.3362
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9855	0.0026	0.9855	0.9840	0.0225
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8758	0.1242	0.8758	0.6474	0.5422
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8824	0.0588	0.8824	0.8426	0.1448
toxicity	0.5294	0.4706	0.5294	-0.1148	0.9926
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6267	0.3733	0.6267	-0.1551	0.9302
trec11-wc	0.9024	0.0217	0.9024	0.8806	0.0762
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292
trec21-wc	0.9697	0.0101	0.9697	0.9349	0.0291
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.9000	0.0500	0.9000	0.8667	0.1469
urban	0.8955	0.0232	0.8955	0.8780	0.0994
vehicle	0.7857	0.1071	0.7857	0.7116	0.2157
vehicleVAN	0.9643	0.0357	0.9643	0.9091	0.2605
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6364	0.0661	0.6364	0.6000	0.1734
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
wap-wc	0.8397	0.0160	0.8397	0.8200	0.1006
warpar10p	0.8462	0.0308	0.8462	0.8255	0.0600
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.7640	0.1573	0.7640	0.6460	0.4777
web-phishing	0.8815	0.0790	0.8815	0.7934	0.3529
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.4045	0.3757
winequality-white	0.5337	0.1332	0.5337	0.2783	0.5382
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.5608	0.0878	0.5608	0.4335	0.3912

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.9634	0.0073	0.9634	0.9590	0.0598
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 221: Detailed results for MultiBoost (100)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1751	0.0569	0.1751	0.0810	0.3754
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9834	0.0166	0.9834	0.1810	0.2106
ads	0.9726	0.0274	0.9726	0.8808	0.2032
adult	0.8299	0.1701	0.8299	0.3765	0.3549
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8056	0.1944	0.8056	-0.0862	0.8010
AID_1431	0.8889	0.1111	0.8889	-0.0389	0.6812
AID1608Morered	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7905	0.2095	0.7905	0.0625	0.7749
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3273	0.8564
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9971	0.0029	0.9971	0.2993	0.0138
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.5556	0.4444	0.5556	-0.2857	0.9011
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.7778	0.2222	0.7778	-0.1250	0.7500
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9847	0.0076	0.9847	0.9707	0.0341
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9777	0.0056	0.9777	0.9635	0.0915
anuran-species	0.9889	0.0022	0.9889	0.9845	0.0157
aps-failure	0.9904	0.0096	0.9904	0.6680	0.2469
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5385	0.1929
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6239	0.0627	0.6239	0.4521	0.2447
balance	0.7581	0.1613	0.7581	0.5942	0.4313
bank	0.9104	0.0896	0.9104	0.4911	0.5755
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8479	0.1521	0.8479	0.6452	0.4668
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
biodeg	0.8857	0.1143	0.8857	0.7553	0.4788
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.7273	0.2727	0.7273	0.4590	0.7617
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.9000	0.0286	0.9000	0.8571	0.0295
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9753	0.0364
card	0.8841	0.1159	0.8841	0.7621	0.4822
cardiotocography	0.8545	0.0291	0.8545	0.8250	0.1678
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8312	0.2613
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.3189
cas_N6512_cdk_ECFP2	0.6221	0.3779	0.6221	0.2089	0.8192
census10%	0.9482	0.0518	0.9482	0.4038	0.4935
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9884	0.0116	0.9884	0.8828	0.3522
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9767	0.0233	0.9767	0.9509	0.1529
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7159	0.4925
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7192	0.5228
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.7474	0.2526	0.7474	0.4633	0.7662
cirrhosis	0.7619	0.1587	0.7619	0.5070	0.3634
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8278	0.0861	0.8278	0.7333	0.3812
climate	0.9444	0.0556	0.9444	0.5424	0.5131
cll_sub_111	0.5833	0.2778	0.5833	0.3333	0.4065
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5918	0.2721	0.5918	0.3561	0.6474
cnae-9	0.6481	0.0782	0.6481	0.6042	0.1852
codon_usage	0.6132	0.0703	0.6132	0.5217	0.2196
coil20	0.9931	0.0007	0.9931	0.9927	0.0052
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.5517	0.4483	0.5517	-0.0680	0.9793
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.7241	0.2759	0.7241	0.4021	0.7527
colposcopies-4	0.7241	0.2759	0.7241	0.2516	0.8328
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.6552	0.3448	0.6552	0.3029	0.8444
colposcopies-c	0.8621	0.1379	0.8621	0.5827	0.5556
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9849	0.0101	0.9849	0.5074	0.0613
cottonmeloidogyne	0.6562	0.3438	0.6562	0.3159	0.7245

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7421	0.2579	0.7421	0.4672	0.7620
covtypeCD	0.9866	0.0134	0.9866	0.9423	0.1376
covtypeT	0.9808	0.0192	0.9808	0.8458	0.2612
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.8276	0.0575	0.8276	0.5912	0.2647
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5938	0.0203	0.5938	0.5819	0.0556
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7778	0.2222	0.7778	0.5186	0.5577
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8257	0.1743	0.8257	0.3810	0.6247
deposit	0.9020	0.0980	0.9020	0.4232	0.5756
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.6098	0.3703
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.8158	0.1842	0.8158	0.5857	0.4914
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5417	0.4583	0.5417	0.0149	0.9759
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dropout	0.7359	0.1761	0.7359	0.5457	0.4730
drug-01	0.3989	0.1717	0.3989	0.0120	0.4386
drug-02	0.5106	0.1398	0.5106	0.0118	0.3668
drug-03	0.6755	0.0927	0.6755	-0.0121	0.2878
drug-04	0.5160	0.1383	0.5160	0.0008	0.4757
drug-05	0.7287	0.0775	0.7287	-0.0064	0.2524
drug-06	0.3936	0.1733	0.3936	0.2172	0.4393
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5532	0.1277	0.5532	0.0409	0.3743
drug-09	0.8511	0.0426	0.8511	-0.0204	0.3205
drug-10	0.5372	0.1322	0.5372	-0.0001	0.3368
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6170	0.1094	0.6170	0.2800	0.3288
drug-14	0.6064	0.1125	0.6064	0.1782	0.3684
drug-15	0.7606	0.0684	0.7606	0.0731	0.2475
drug-16	0.5798	0.1201	0.5798	0.2891	0.4173
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7660	0.0669	0.7660	-0.0060	0.2613
drybean	0.9324	0.0193	0.9324	0.9181	0.1099
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1684	0.1039	0.1684	0.0316	0.3752
eeg-eye	0.5968	0.4032	0.5968	0.1141	0.5840
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.5301	0.7076
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6285	0.6082
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8852	0.1148	0.8852	0.7196	0.5081
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6849	0.1260	0.6849	0.5838	0.2798
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.5691	0.0507	0.5691	0.4922	0.2368
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.8000	0.0500	0.8000	0.7428	0.1110
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4050	0.0078	0.4050	0.3480	0.2645
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.8210	0.0597	0.8210	0.7828	0.1615
gastrointestinal	0.7500	0.1667	0.7500	0.6049	0.2867
gender	0.5916	0.2723	0.5916	0.0103	0.3336
gene	0.9338	0.0442	0.9338	0.8946	0.1796
german	0.7000	0.3000	0.7000	0.2405	0.7630
gina	0.8357	0.1643	0.8357	0.6701	0.5499
glass	0.7619	0.0794	0.7619	0.6769	0.2763
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9524	0.0476	0.9524	0.8889	0.1675
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7551	0.4910
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3636	0.5415
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9533	0.0078	0.9533	0.9449	0.0594
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5238	0.7028
higher	0.2857	0.1786	0.2857	0.1566	0.3021
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9123	0.0877	0.9123	0.6513	0.4503
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6389	0.2407	0.6389	0.3589	0.5959
htru2	0.9782	0.0218	0.9782	0.8643	0.2453
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7288	0.2712	0.7288	0.1986	0.7697
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6431	0.0275	0.6431	0.6289	0.1922
jm1	0.8108	0.1892	0.8108	0.0696	0.4751
jvowels	0.8283	0.0382	0.8283	0.8053	0.1987
kc1	0.8720	0.1280	0.8720	0.3228	0.4646
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7885	0.2115	0.7885	0.3440	0.7669
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8702	0.0144	0.8702	0.8551	0.1655
krvskp	0.9937	0.0063	0.9937	0.9874	0.0474
la1s-wc	0.5016	0.1661	0.5016	0.3078	0.3209
la2s-wc	0.5066	0.1645	0.5066	0.3085	0.3143
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6906	0.0605
led24	0.6500	0.0700	0.6500	0.6045	0.1488
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4195	0.0447	0.4195	0.3970	0.2772
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8889	0.0148	0.8889	0.8807	0.0408
liver	0.7353	0.2647	0.7353	0.4594	0.7175
lrs	0.8491	0.0302	0.8491	0.7899	0.1215
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.0000	0.6667	0.0000	-0.5000	0.6046
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5154	0.4846	0.5154	0.0308	0.9838
magic04	0.7912	0.2088	0.7912	0.4840	0.5503
mammography	0.7917	0.2083	0.7917	0.5839	0.6742
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7138	0.3856
messidor	0.6522	0.3478	0.6522	0.3205	0.8264
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9250	0.0150	0.9250	0.9167	0.0810
mfeat-fou	0.7700	0.0460	0.7700	0.7444	0.1936
mfeat-kar	0.8550	0.0290	0.8550	0.8389	0.1548
mfeat-mor	0.6850	0.0630	0.6850	0.6500	0.2103
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0379
mfeat-zer	0.6800	0.0640	0.6800	0.6444	0.2178
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5575	0.3727
mobile	0.5524	0.0160	0.5524	0.5443	0.1681

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9545	0.0455	0.9545	0.8058	0.2039
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9908
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9915
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7157
MUT_ci034254q-MACCS	0.7213	0.2787	0.7213	0.4343	0.7896
MUT_ci300400a	0.6967	0.3033	0.6967	0.4052	0.7765
MUT_ci300400a_cdk_ECFP2	0.6283	0.3717	0.6283	0.1307	0.5956
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9680	0.0320	0.9680	0.9359	0.1896
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9573	0.0427	0.9573	0.8941	0.2509
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0239	0.7287
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0700
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.6832	0.0634	0.6832	0.6289	0.1625
oh10-wc	0.5238	0.0952	0.5238	0.4431	0.2568
oh15-wc	0.5870	0.0826	0.5870	0.5165	0.2151
oh5-wc	0.5934	0.0813	0.5934	0.5304	0.2477
optdigits	0.9520	0.0096	0.9520	0.9466	0.0633
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.8000	0.0100	0.8000	0.7949	0.0373
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9328	0.0672	0.9328	0.2410	0.3595
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9066	0.1397
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac	0.5619	0.4381	0.5619	-0.0244	0.8102
pd	0.8947	0.1053	0.8947	0.7193	0.5115
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9909	0.0018	0.9909	0.9899	0.0152
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.7938	0.2062	0.7938	0.5196	0.6881
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8571	0.1429	0.8571	0.7137	0.5439
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.8000	0.2000	0.8000	0.5652	0.6314
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.8093	0.1907	0.8093	0.5541	0.6787
phy	0.6318	0.3682	0.6318	0.2616	0.7970
pima	0.7632	0.2368	0.7632	0.4738	0.6848

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6667	0.3333	0.6667	0.0526	0.9011
polish-1st	0.9716	0.0284	0.9716	0.4023	0.0889
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9541	0.0459	0.9541	0.3947	0.4711
polish-5th	0.9577	0.0423	0.9577	0.5830	0.3206
polya	0.6497	0.3503	0.6497	0.0369	0.5750
popularity	0.6310	0.2460	0.6310	0.0001	0.3101
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.7166	0.1133	0.7166	0.6452	0.2788
pred-tox_mutagen_ref-desc	0.5882	0.4118	0.5882	0.1765	0.9301
primary-tumor	0.5152	0.0441	0.5152	0.4596	0.1942
profb	0.8209	0.1791	0.8209	0.5742	0.6347
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8778	0.1222	0.8778	0.7556	0.4852
re0-wc	0.4867	0.0790	0.4867	0.2038	0.2577
re1-wc	0.5301	0.0376	0.5301	0.4383	0.1921
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0023	0.6035
satimage	0.8414	0.0529	0.8414	0.8021	0.1983
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9051	0.0949	0.9051	0.1259	0.3009
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.2941	0.7059	0.2941	-0.4118	1.0000
secom	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom	0.6836	0.3164	0.6836	0.4010	0.5302
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9380	0.0620	0.9380	0.1046	0.1594
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8711	0.1289	0.8711	0.1116	0.4810
sens-3-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9889	0.0020	0.9889	0.9878	0.0195
shoppers	0.8986	0.1014	0.8986	0.5909	0.5706
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9761	0.0239	0.9761	0.7875	0.2654
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6842	0.3158	0.6842	0.3736	0.8166
solar-flare	0.7842	0.0719	0.7842	0.7233	0.1985
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9283	0.0717	0.9283	0.8490	0.3451
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.4340	0.0236	0.4340	0.3968	0.1465
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9495	0.0505	0.9495	0.8652	0.3404
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8667	0.1333	0.8667	0.5410	0.5581

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8961	0.0693	0.8961	0.8316	0.2378
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7179	0.2821	0.7179	0.2663	0.6615
steel-p	0.9333	0.0667	0.9333	0.4051	0.4581
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9949	0.0051	0.9949	0.9715	0.1355
studentap	0.4615	0.3590	0.4615	0.1415	0.5894
student-weekend	0.4000	0.2400	0.4000	0.1096	0.5299
student-workday	0.7344	0.1062	0.7344	0.1970	0.2200
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9545	0.0083	0.9545	0.9499	0.0553
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.0000	0.2925
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8811	0.1189	0.8811	0.6627	0.5265
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.7647	0.1176	0.7647	0.6852	0.1975
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6533	0.3467	0.6533	-0.1207	0.9225
trec11-wc	0.8293	0.0379	0.8293	0.7907	0.1377
trec12-wc	0.9032	0.0242	0.9032	0.8829	0.0568
trec21-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9855	0.0029	0.9855	0.9831	0.0117
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.9000	0.0500	0.9000	0.8667	0.1463
urban	0.8358	0.0365	0.8358	0.8066	0.1402
vehicle	0.7738	0.1131	0.7738	0.6931	0.2528
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6162	0.0698	0.6162	0.5778	0.2256
vowelZ	0.9091	0.0909	0.9091	0.0000	0.2092
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.7980	0.1347	0.7980	0.6970	0.4326
web-phishing	0.8444	0.1037	0.8444	0.7249	0.4230
weight-lift	0.5552	0.1779	0.5552	0.4020	0.2769
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9876	0.0124	0.9876	0.8631	0.2308
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6101	0.1300	0.6101	0.3478	0.3983
winequality-white	0.4438	0.1589	0.4438	0.1197	0.5249
yale	0.6875	0.0417	0.6875	0.6667	0.0748
yeast	0.5270	0.0946	0.5270	0.3968	0.3858

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.7333	0.0533	0.7333	0.7007	0.2153
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 222: Detailed results for NewtonBoost (100)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1463	0.0589	0.1463	0.0631	0.5761
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9452	0.0548	0.9452	0.4710	0.5885
accelerometer	0.9841	0.0159	0.9841	0.2766	0.2863
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8696	0.1304	0.8696	0.6128	0.5619
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8000	0.2000	0.8000	0.0801	0.7395
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9993	0.0007	0.9993	-0.0003	0.3124
AID373red	0.9982	0.0018	0.9982	-0.0009	0.5226
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2937	0.8658
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9982	0.0018	0.9982	0.7110	0.2704
AID604AID644_AllRed	0.9987	0.0013	0.9987	0.1994	0.5258
AID644Morered	0.7000	0.3000	0.7000	0.2105	0.8520
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red	0.9933	0.0067	0.9933	-0.0033	0.4912
AID688red	0.9860	0.0140	0.9860	-0.0063	0.5653
AID721morered	0.7778	0.2222	0.7778	0.3571	0.7720
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9965	0.0035	0.9965	-0.0014	0.3522
AID746red	0.9898	0.0102	0.9898	0.0565	0.5507
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9903	0.0049	0.9903	0.9814	0.0275
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9833	0.0042	0.9833	0.9725	0.0859
anuran-species	0.9861	0.0028	0.9861	0.9807	0.0388
aps-failure	0.9925	0.0075	0.9925	0.7727	0.3011
arcene	0.8000	0.2000	0.8000	0.5652	0.6314
arrhythmia	0.8444	0.0239	0.8444	0.7464	0.0877
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.9130	0.0072	0.9130	0.9002	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8020	0.1409
avila	0.9976	0.0004	0.9976	0.9969	0.0290
balance	0.7903	0.1398	0.7903	0.6520	0.3517
bank	0.9177	0.0823	0.9177	0.5650	0.5655
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7924	0.3563
basehock	0.9497	0.0503	0.9497	0.8995	0.2368
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.2727	0.7273	0.2727	-0.4667	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5714	0.1715
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	1.0000	0.0000	1.0000	1.0000	0.0000
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8732	0.0254	0.8732	0.8480	0.1572
cardiotocography-nsp	0.9577	0.0282	0.9577	0.8799	0.1413
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8174	0.1727
cas_N6512_cdk_ECFP2	0.7558	0.2442	0.7558	0.5103	0.7402
census10%	0.9549	0.0451	0.9549	0.4808	0.4202
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9419	0.0581	0.9419	0.5147	0.5542
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7882	0.4644
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	1.0000	0.0000	1.0000	1.0000	0.0000
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3600	0.8260
cirrhosis	0.8333	0.1111	0.8333	0.6581	0.2775
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8769	0.0616	0.8769	0.8087	0.2669
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.6667	0.2222	0.6667	0.4286	0.3779
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5646	0.2902	0.5646	0.3111	0.6696
cnae-9	0.9352	0.0144	0.9352	0.9271	0.0714
codon_usage	0.9447	0.0100	0.9447	0.9328	0.0910
coil20	0.9861	0.0014	0.9861	0.9854	0.0095
collins	0.9600	0.0053	0.9600	0.9560	0.0166
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6552	0.3448	0.6552	0.1989	0.8928
colposcopies-2	0.7241	0.2759	0.7241	0.3446	0.6808
colposcopies-3	0.6897	0.3103	0.6897	0.3359	0.8266
colposcopies-4	0.7241	0.2759	0.7241	0.1831	0.8141
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.6897	0.3103	0.6897	0.3680	0.6869
colposcopies-c	0.7586	0.2414	0.7586	0.3072	0.7986
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9999	0.0001	0.9999	0.9966	0.0005
cottonmeloidogyne	0.8077	0.1923	0.8077	0.6155	0.6483

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7595	0.2405	0.7595	0.5021	0.7321
covtypeCD	0.9911	0.0089	0.9911	0.9619	0.1068
covtypeT	0.9842	0.0158	0.9842	0.8758	0.2470
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5018	0.5260
crowdsourced	0.9576	0.0141	0.9576	0.9127	0.1065
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.3750	0.0312	0.3750	0.3561	0.1068
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.7778	0.2222	0.7778	0.5456	0.7094
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8237	0.1763	0.8237	0.3916	0.6550
deposit	0.9058	0.0942	0.9058	0.4839	0.5860
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3333	0.4371
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5521	0.2986	0.5521	0.1286	0.6186
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5000	0.5000	0.5000	0.0000	0.9831
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7720	0.1520	0.7720	0.6222	0.4679
drug-01	0.3191	0.1945	0.3191	0.0103	0.6808
drug-02	0.5266	0.1353	0.5266	0.2051	0.5948
drug-03	0.6489	0.1003	0.6489	0.1266	0.4970
drug-04	0.4574	0.1550	0.4574	0.0651	0.7950
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3777	0.1778	0.3777	0.2202	0.6348
drug-07	0.3777	0.1778	0.3777	0.0034	0.5196
drug-08	0.4947	0.1444	0.4947	0.1079	0.7530
drug-09	0.8670	0.0380	0.8670	0.0617	0.2179
drug-10	0.5372	0.1322	0.5372	0.1811	0.5423
drug-11	0.8245	0.0502	0.8245	0.0648	0.4879
drug-12	0.7500	0.0714	0.7500	0.0038	0.4575
drug-13	0.5798	0.1201	0.5798	0.2234	0.4724
drug-14	0.5691	0.1231	0.5691	0.2792	0.6551
drug-15	0.7447	0.0729	0.7447	0.0911	0.4356
drug-16	0.5585	0.1261	0.5585	0.2772	0.5151
drug-17	0.3564	0.1839	0.3564	0.1481	0.7654
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7553	0.0699	0.7553	0.0929	0.5293
drybean	0.9251	0.0214	0.9251	0.9094	0.1180
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5637	0.0545	0.5637	0.5162	0.5137
eeg-eye	0.8598	0.1402	0.8598	0.7146	0.5304
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4298	0.7489
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6667	0.5796
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6202	0.5322
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5643	0.6813
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9355	0.0645	0.9355	0.4678	0.5898
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6510	0.5977
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6301	0.1479	0.6301	0.5229	0.3962
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
fbis-wc	0.8496	0.0177	0.8496	0.8285	0.0946
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5484	0.1619
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4245	0.0077	0.4196	0.3747	0.2609
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9957	0.0014	0.9957	0.9948	0.0105
gastrointestinal	0.8125	0.1250	0.8125	0.6863	0.2845
gender	0.5853	0.2765	0.5853	0.1432	0.5980
gene	0.9527	0.0315	0.9527	0.9244	0.1599
german	0.7400	0.2600	0.7400	0.3516	0.6934
gina	0.9597	0.0403	0.9597	0.9193	0.2269
glass	0.8571	0.0476	0.8571	0.8062	0.1657
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.7143	0.2857	0.7143	0.4000	0.7846
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.8750	0.1250	0.8750	0.7143	0.4644
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.5000	0.5000	0.5000	-0.3158	0.9932
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4230
haberman	0.6333	0.3667	0.6333	-0.1702	0.9381
hapt	0.9780	0.0037	0.9780	0.9740	0.0246
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8519	0.1481	0.8519	0.6842	0.5251
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.6500	0.3500	0.6500	0.2708	0.8198
higher	0.3571	0.1607	0.3571	0.2270	0.2881
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.9056	0.0944	0.9056	0.6211	0.4750
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.6944	0.2037	0.6944	0.4598	0.5123
htru2	0.9788	0.0212	0.9788	0.8681	0.2432
hypothyroid	0.9947	0.0027	0.9947	0.9675	0.0098
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6949	0.3051	0.6949	0.2003	0.8649
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9243	0.0058	0.9243	0.9212	0.0693
jm1	0.8255	0.1745	0.8255	0.2387	0.5941
jvowels	0.9930	0.0016	0.9930	0.9920	0.0129
kc1	0.8673	0.1327	0.8673	0.3734	0.6083
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.2462	0.1146
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8654	0.1346	0.8654	0.5160	0.5065
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.7458	0.0282	0.7458	0.7158	0.2517
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.9016	0.0328	0.9016	0.8754	0.1690
la2s-wc	0.9238	0.0254	0.9238	0.9037	0.1396
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5993	0.0791
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9530	0.0036	0.9530	0.9511	0.0543
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7916	0.0874
liver	0.7353	0.2647	0.7353	0.3489	0.7915
lrs	0.8302	0.0340	0.8302	0.7636	0.1263
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3451
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1255
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0294
madelon	0.8308	0.1692	0.8308	0.6615	0.5985
magic04	0.8864	0.1136	0.8864	0.7428	0.4609
mammography	0.8333	0.1667	0.8333	0.6671	0.5906
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.6609	0.3391	0.6609	0.3084	0.8710
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-fou	0.8150	0.0370	0.8150	0.7944	0.1490
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0445
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.1955
mfeat-pix	0.9650	0.0070	0.9650	0.9611	0.0414
mfeat-zer	0.7750	0.0450	0.7750	0.7500	0.1483
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5570	0.3772
mobile	0.8811	0.0042	0.8811	0.8790	0.0554

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9667	0.0333	0.9667	0.8601	0.1101
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6753
MUT_ci034254q-MACCS	0.6393	0.3607	0.6393	0.2738	0.8920
MUT_ci300400a	0.8421	0.1579	0.8421	0.6767	0.5832
MUT_ci300400a_cdk_ECFP2	0.8070	0.1930	0.8070	0.6022	0.6574
myocardial	0.8882	0.0279	0.8882	0.4439	0.0935
naticusdroid	0.9686	0.0314	0.9686	0.9373	0.1876
nci9	0.5000	0.1111	0.5000	0.4000	0.1511
newspop	0.6758	0.3242	0.6758	0.3454	0.8500
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9655	0.0345	0.9655	0.9153	0.2285
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.1399	0.6852
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0807
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.9010	0.0198	0.9010	0.8864	0.1010
oh10-wc	0.8095	0.0381	0.8095	0.7823	0.1659
oh15-wc	0.8587	0.0283	0.8587	0.8387	0.1221
oh5-wc	0.7802	0.0440	0.7802	0.7515	0.1838
optdigits	0.9715	0.0057	0.9715	0.9683	0.0417
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8250	0.0088	0.8250	0.8205	0.0307
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9684	0.0316	0.9684	0.3213	0.3858
ozone8hr	0.9249	0.0751	0.9249	0.2116	0.5304
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9872	0.0051	0.9872	0.9273	0.1045
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	1.0000	0.0000	1.0000	1.0000	0.0000
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.4897	0.5103	0.4897	-0.1175	1.0000
pd	0.9737	0.0263	0.9737	0.9273	0.1010
pediatric-leukemia	0.8235	0.0504	0.8235	0.7839	0.1635
pendigits	0.9927	0.0015	0.9927	0.9919	0.0140
period	0.6667	0.3333	0.6667	0.1818	0.8798
period-10f	0.2222	0.7778	0.2222	-0.4000	0.9533
P-Glycoprotein_b_Inhibitor	0.8351	0.1649	0.8351	0.6299	0.6180
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.8177
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7621	0.4761
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9714	0.0286	0.9714	0.9399	0.1774
phoneme	0.8963	0.1037	0.8963	0.7456	0.4901
phy	0.7352	0.2648	0.7352	0.4703	0.7721
pima	0.7632	0.2368	0.7632	0.4802	0.7075

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6111	0.3889	0.6111	-0.1887	0.9536
polish-1st	0.9815	0.0185	0.9815	0.6888	0.1863
polish-2nd	0.9744	0.0256	0.9744	0.5550	0.2909
polish-3rd	0.9638	0.0362	0.9638	0.4564	0.3639
polish-4th	0.9694	0.0306	0.9694	0.6436	0.3685
polish-5th	0.9679	0.0321	0.9679	0.7157	0.3176
polya	0.8011	0.1989	0.8011	0.5553	0.6752
popularity	0.6800	0.2134	0.6800	0.2638	0.5119
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9936	0.0026	0.9936	0.9920	0.0190
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.3333	0.0606	0.3333	0.2667	0.2612
profb	0.7164	0.2836	0.7164	0.3174	0.8218
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
raisin	0.8556	0.1444	0.8556	0.7111	0.5413
re0-wc	0.8400	0.0246	0.8400	0.7937	0.2369
re1-wc	0.8675	0.0106	0.8675	0.8493	0.1149
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7068	0.2932	0.7068	0.3883	0.8191
satimage	0.9129	0.0290	0.9129	0.8926	0.1457
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9409	0.0591	0.9409	0.6293	0.4397
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5882	0.4118	0.5882	0.1765	0.9350
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	0.9851	0.0149	0.9851	0.9698	0.1063
segment	0.9740	0.0074	0.9740	0.9696	0.0292
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8763	0.1237	0.8763	0.1911	0.5052
sens-4-gram	0.8842	0.1158	0.8842	0.2522	0.4516
sensorless	0.9991	0.0002	0.9991	0.9991	0.0020
shoppers	0.8970	0.1030	0.8970	0.5667	0.5620
shuttle	1.0000	0.0000	1.0000	1.0000	0.0000
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.7626	0.0791	0.7626	0.6964	0.2108
sonar	0.5500	0.4500	0.5500	0.1000	0.9662
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9413	0.0587	0.9413	0.8764	0.2969
spect	0.7037	0.2963	0.7037	0.1429	0.8514
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5283	0.0197	0.5283	0.5013	0.1353
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9558	0.0442	0.9558	0.8800	0.3080
sport-articles	0.8500	0.1500	0.8500	0.6764	0.5756
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8718	0.1282	0.8718	0.5718	0.5636

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9041	0.0639	0.9041	0.8441	0.2267
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.7795	0.2205	0.7795	0.4991	0.7184
steel-p	0.9436	0.0564	0.9436	0.5906	0.5045
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.4308	0.2277	0.4308	0.2081	0.6548
student-workday	0.7344	0.1062	0.7344	0.2718	0.3954
swarm_aligned	0.9992	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9935	0.0004	1.0000	0.9906	0.0048
swarm_grouped	1.0000	0.0000	0.9988	1.0000	0.0000
tae	0.6000	0.2667	0.6000	0.4000	0.6002
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9855	0.0026	0.9855	0.9840	0.0226
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8723	0.1277	0.8723	0.2210	0.2680
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9349	0.0651	0.9349	0.8193	0.3443
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.6250	0.1250	0.6250	0.4894	0.1773
tox_171	0.6471	0.1765	0.6471	0.5321	0.2107
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.8780	0.0271	0.8780	0.8520	0.1165
trec12-wc	0.9355	0.0161	0.9355	0.9230	0.0607
trec21-wc	0.9091	0.0303	0.9091	0.8319	0.3052
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9677	0.0092	0.9677	0.9573	0.0429
trec41-wc	0.9432	0.0114	0.9432	0.9306	0.0730
trec45-wc	0.9130	0.0174	0.9130	0.8981	0.0693
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7000	0.1500	0.7000	0.6000	0.2953
urban	0.8358	0.0365	0.8358	0.8077	0.1608
vehicle	0.7976	0.1012	0.7976	0.7269	0.2015
vehicleVAN	0.9881	0.0119	0.9881	0.9677	0.0550
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8372	0.1628	0.8372	0.6753	0.5648
vowel	0.5758	0.0771	0.5758	0.5333	0.2451
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
wap-wc	0.3056	0.0694	0.3028	0.1358	0.3040
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0390
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
waveform	0.8340	0.1107	0.8340	0.7510	0.3764
web-phishing	0.8667	0.0889	0.8667	0.7645	0.4017
weight-lift	0.4187	0.2351	0.4203	0.2067	0.3254
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9917	0.0083	0.9917	0.9156	0.2543
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.7170	0.0943	0.7170	0.5390	0.3591
winequality-white	0.6319	0.1052	0.6319	0.4377	0.4010
yale	0.5625	0.0583	0.5625	0.5333	0.1071
yeast	0.5473	0.0905	0.5473	0.4112	0.3815

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9570	0.0086	0.9570	0.9518	0.0705
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

### 4.3 Ensembles of 500 classifiers



Table 223: Detailed results for RotationForest (500)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1367	0.0595	0.1367	0.0762	0.6437
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9178	0.0822	0.9178	0.3578	0.6183
accelerometer	0.9791	0.0209	0.9791	0.4619	0.5588
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8206	0.1728	0.8059	0.5834	0.6134
AID1284Morered	0.7778	0.2222	0.7778	0.3043	0.6914
AID1284red	0.8889	0.1111	0.8889	0.4419	0.5820
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9223	0.0777	0.9223	0.1660	0.6184
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.7810	0.2190	0.7810	0.0938	0.8044
AID362red	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red	0.9671	0.0002	0.9648	0.0000	0.0011
AID373red	1.0000	0.0008	1.0000	0.2871	0.0045
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6486	0.3514	0.6486	0.2634	0.8879
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9757	0.0002	0.9815	0.9408	0.0014
AID604AID644_AllRed	0.9873	0.0010	0.9668	0.0000	0.0054
AID644Morered	0.5500	0.4500	0.5500	-0.1250	0.9680
AID644red	0.6500	0.3500	0.6500	0.1250	0.9054
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	1.0000	0.0011	0.9787	-0.0003	0.3907
AID746red	0.9678	0.0059	0.9985	0.1388	0.2985
AID_773	0.8889	0.1111	0.8889	0.0000	0.2404
AID852_MACCS	0.8462	0.1538	0.8462	0.5860	0.6412
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9663	0.0135	0.9663	0.9317	0.1118
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9777	0.0111	0.9777	0.9575	0.0559
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9791	0.0052	0.9791	0.9659	0.1230
anuran-species	0.9819	0.0036	0.9819	0.9749	0.0515
aps-failure	1.0000	0.0090	1.0000	0.7449	0.3977
arcene	0.7500	0.2500	0.7500	0.5098	0.6824
arrhythmia	0.8222	0.0273	0.8222	0.7201	0.1806
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7516	0.0318
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8680	0.0918
avila	0.9971	0.0005	0.9971	0.9963	0.0128
balance	0.8065	0.1290	0.8065	0.6676	0.3450
bank	0.8881	0.1119	0.8881	0.5650	0.5962
banknote	0.9781	0.0219	0.9781	0.9559	0.1291

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9009	0.0991	0.9009	0.7771	0.3881
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
biodeg	0.8952	0.1048	0.8952	0.7789	0.4599
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7857	0.2143	0.7857	0.5116	0.7058
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6733	0.1446
bridges	0.8000	0.0571	0.8000	0.7143	0.0578
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6612	0.2404
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9425	0.0287	0.9425	0.8822	0.2314
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8920	0.0216	0.8920	0.8709	0.1404
cardiotocography-nsp	0.9155	0.0563	0.9155	0.7811	0.3851
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.7250	0.1833	0.7250	0.5364	0.5022
cas_N6512_cdk_ECFP2	0.7450	0.2550	0.7450	0.4906	0.7520
census10%	0.8695	0.0940	0.8714	0.4339	0.5590
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9302	0.0698	0.9302	0.2158	0.6307
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.6350	0.4967
chemo_fontaine	0.9070	0.0930	0.9070	0.8059	0.4187
Choi_MACCS	0.6250	0.3750	0.6250	0.3333	0.5239
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7336	0.5122
ci200186m_DESC_PADEL	0.8704	0.1296	0.8704	0.7249	0.5282
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7368	0.2632	0.7368	0.4439	0.7803
cirrhosis	0.7857	0.1429	0.7857	0.5855	0.4345
cjs	0.9929	0.0024	0.9929	0.9913	0.0140
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8130	0.0935	0.8130	0.7176	0.4357
climate	0.9074	0.0926	0.9074	-0.0305	0.6464
cll_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5374	0.3084	0.5374	0.2914	0.6939
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0573
codon_usage	0.9286	0.0130	0.9286	0.9130	0.1043
coil20	0.9977	0.0000	1.0000	0.9614	0.0000
collins	0.8600	0.0187	0.8600	0.8460	0.0951
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.7931	0.2069	0.7931	0.5193	0.6844
colposcopies-2	0.7241	0.2759	0.7241	0.3176	0.4472
colposcopies-3	0.6897	0.3103	0.6897	0.3524	0.8399
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.8621	0.1379	0.8621	0.4257	0.6185
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.8276	0.1724	0.8276	0.4487	0.6170
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.7419	0.1720	0.7419	0.5860	0.3017
connect-4	0.9271	0.0307	0.9383	0.4539	0.5086
cottonmeloidogyne	0.7692	0.2308	0.7692	0.5389	0.7100

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7508	0.2492	0.7508	0.4938	0.7517
covtypeCD	0.9861	0.0139	0.9861	0.9426	0.2010
covtypeT	0.9808	0.0192	0.9808	0.8607	0.3470
cox2_cdk_ECFP2	0.7609	0.2391	0.7609	0.3253	0.7621
crowdsourced	0.9475	0.0175	0.9475	0.8921	0.1492
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.5000	0.0250	0.5000	0.4849	0.0764
cyclopentane	0.7407	0.2593	0.7407	0.4706	0.7645
cylinder-bands	0.7778	0.2222	0.7778	0.5506	0.7038
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8140	0.1860	0.8140	0.4460	0.7182
deposit	0.8777	0.1223	0.8777	0.5380	0.6110
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.5000	0.3333	0.5000	0.2727	0.3517
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5292	0.7169
diabetes	0.9231	0.0769	0.9231	0.8344	0.3408
diabetic10%	0.5535	0.2921	0.5366	0.2051	0.7388
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5417	0.4583	0.5417	-0.0476	0.9193
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dropout	0.7630	0.1580	0.7630	0.6133	0.4555
drug-01	0.2819	0.2052	0.2819	0.0271	0.8654
drug-02	0.4894	0.1459	0.4894	0.3064	0.7453
drug-03	0.5957	0.1155	0.5957	0.1653	0.5119
drug-04	0.3883	0.1748	0.3883	0.1541	0.8353
drug-05	0.7074	0.0836	0.7074	-0.0232	0.3619
drug-06	0.4096	0.1687	0.4096	0.2768	0.6257
drug-07	0.4309	0.1626	0.4309	0.1106	0.5129
drug-08	0.4255	0.1641	0.4255	0.1810	0.6745
drug-09	0.8032	0.0562	0.8032	0.0327	0.4505
drug-10	0.5319	0.1337	0.5319	0.2578	0.7105
drug-11	0.7660	0.0669	0.7660	0.1194	0.8539
drug-12	0.6968	0.0866	0.6968	0.0868	0.5346
drug-13	0.5532	0.1277	0.5532	0.2475	0.7434
drug-14	0.5532	0.1277	0.5532	0.3381	0.6107
drug-15	0.5904	0.1170	0.5904	0.1707	0.8265
drug-16	0.5638	0.1246	0.5638	0.3824	0.5763
drug-17	0.3085	0.1976	0.3085	0.1349	0.7981
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.6223	0.1079	0.6223	0.1306	0.6365
drybean	0.9199	0.0229	0.9199	0.9032	0.1309
ecoli	0.9118	0.0221	0.9118	0.8781	0.0766
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.7879	0.2121	0.7879	0.2667	0.5821
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5450	0.0539	0.5462	0.5120	0.5466
eeg-eye	0.9085	0.0915	0.9085	0.8145	0.4040
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3659	0.8276
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7193	0.5241
er_tox_rdkit_ATOMPAIR	0.8852	0.1148	0.8852	0.3146	0.5382

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7399	0.4953
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9839	0.0161	0.9839	0.9675	0.1023
er_tox_rdkit_LAYERED	0.9677	0.0323	0.9677	0.8703	0.1081
er_tox_rdkit_MACCS	0.9355	0.0645	0.9355	0.5709	0.5288
er_tox_rdkit_MORGAN	0.8226	0.1774	0.8226	0.2969	0.4064
er_tox_rdkit_PATTERN	0.9516	0.0484	0.9516	0.8845	0.2659
er_tox_rdkit_RDKITFP	0.9180	0.0820	0.9180	0.8121	0.4138
er_tox_rdkit_TORSION	0.8548	0.1452	0.8548	0.3497	0.4422
eucalyptus	0.6849	0.1260	0.6849	0.6004	0.3383
euthyroid	0.9684	0.0316	0.9684	0.8212	0.3529
fbis-wc	0.8719	0.0153	0.8405	0.8284	0.1033
fda.atompair_fp	0.5000	0.5000	0.5000	-0.1980	0.9394
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5770	0.1789
fontaine_MACCS	0.8864	0.1136	0.8864	0.7699	0.3902
fonts10%	0.4198	0.0072	0.4293	0.3672	0.2738
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9957	0.0014	0.9957	0.9948	0.0105
gastrointestinal	0.7500	0.1667	0.7500	0.5924	0.3347
gender	0.5537	0.2975	0.5537	0.1211	0.7286
gene	0.9464	0.0358	0.9464	0.9146	0.1656
german	0.7200	0.2800	0.7200	0.3593	0.8117
gina	0.9510	0.0490	0.9510	0.9020	0.2622
glass	0.7619	0.0794	0.7619	0.6779	0.2462
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.8571	0.1429	0.8571	0.6897	0.5637
glassContainers	1.0000	0.0000	1.0000	1.0000	0.0000
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.8571	0.1429	0.8571	-0.0678	0.5255
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7360	0.5042
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.2197	0.5272
haberman	0.8000	0.2000	0.8000	0.5263	0.6914
hapt	0.9514	0.0057	0.9591	0.9336	0.0452
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7778	0.2222	0.7778	0.5263	0.6954
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.6667	0.5000
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higher	0.1429	0.2143	0.1429	0.0059	0.4271
hinselmann	0.8000	0.2000	0.8000	0.0000	0.3522
hiv1-proteasa	0.9056	0.0944	0.9056	0.6880	0.5440
hiva	0.9551	0.0449	0.9551	0.2178	0.6033
horse	0.6667	0.2222	0.6667	0.4375	0.5600
htru2	0.9754	0.0246	0.9754	0.8539	0.3192
hypothyroid	0.9867	0.0066	0.9867	0.9240	0.1169
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6271	0.3729	0.6271	0.1218	0.8985
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionsphere	0.9429	0.0571	0.9429	0.8736	0.2987
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8960	0.0074	0.9050	0.8721	0.0830
jm1	0.8090	0.1910	0.8090	0.3705	0.7437
jvowels	0.9719	0.0062	0.9719	0.9681	0.0468
kc1	0.8578	0.1422	0.8578	0.4612	0.6783
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.6154	0.4644
kc1-class-level-numericdefect	0.4286	0.0476	0.4286	0.2432	0.2011
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.4595	0.7161
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.7507	0.0262	0.7616	0.7086	0.3166
krvskp	0.9843	0.0157	0.9843	0.9686	0.1069
la1s-wc	0.8858	0.0286	0.9048	0.8925	0.1554
la2s-wc	0.9062	0.0245	0.9030	0.8857	0.1472
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7059	0.0147	0.7059	0.6909	0.0600
led24	0.7000	0.0600	0.7000	0.6610	0.1235
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9540	0.0039	0.9476	0.9538	0.0605
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8333	0.0222	0.8333	0.8212	0.0676
liver	0.8235	0.1765	0.8235	0.5968	0.6488
lrs	0.8302	0.0340	0.8302	0.7664	0.1498
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9000	0.0400	0.9000	0.7633	0.0872
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8431	0.0553
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.7143	0.1429	0.7143	0.4510	0.3188
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.7692	0.2308	0.7692	0.5385	0.7143
magic04	0.8764	0.1236	0.8764	0.7263	0.5136
mammography	0.8438	0.1562	0.8438	0.6867	0.5753
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.7426	0.1716	0.7426	0.6085	0.4778
messidor	0.6957	0.3043	0.6957	0.3878	0.8227
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0480
mfeat-fou	0.8150	0.0370	0.8150	0.7944	0.1480
mfeat-kar	0.9700	0.0060	0.9700	0.9667	0.0375
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1949
mfeat-pix	0.9850	0.0030	0.9850	0.9833	0.0187
mfeat-zer	0.7550	0.0490	0.7550	0.7278	0.1483
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4093	0.4314
mobile	0.9580	0.0015	0.9580	0.9573	0.0186

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9344	0.0656	0.9344	0.8514	0.3077
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9652	0.0348	0.9652	0.8544	0.1512
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9913
mutagen_class_2	0.5147	0.4853	0.5147	0.0294	0.6675
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7265
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.4058	0.8158
MUT_ci300400a	0.8534	0.1466	0.8534	0.7024	0.5561
MUT_ci300400a_cdk_ECFP2	0.7914	0.2086	0.7914	0.5782	0.6766
myocardial	0.8882	0.0279	0.8882	0.4571	0.1532
naticusdroid	0.9666	0.0334	0.9666	0.9332	0.1969
nci9	0.8333	0.0370	0.8333	0.8065	0.0000
newspop	0.6726	0.3274	0.6726	0.3392	0.8544
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9575	0.0335	0.9750	0.8890	0.2347
NPHA-doctor-visits	0.4028	0.3981	0.4028	0.0391	0.7563
nursery	0.9807	0.0077	0.9807	0.9718	0.0687
obs	0.9815	0.0093	0.9815	0.9727	0.0458
occupancy	0.9927	0.0073	0.9927	0.9797	0.0924
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9361	0.0098	0.9461	0.9298	0.0601
oh10-wc	0.7839	0.0373	0.8141	0.7670	0.1691
oh15-wc	0.9034	0.0209	0.8785	0.8667	0.1128
oh5-wc	0.8869	0.0174	0.9132	0.8911	0.0954
optdigits	0.9626	0.0075	0.9626	0.9585	0.0544
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9750	0.0013	0.9750	0.9744	0.0042
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr	0.9170	0.0830	0.9170	0.1860	0.6144
p53-mutants10%	0.9732	0.0032	0.9607	0.0000	0.0150
page-blocks	0.9744	0.0102	0.9744	0.8633	0.3596
pah.atompair_fp	0.7000	0.3000	0.7000	0.4000	0.7967
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7595	0.4308
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.3567	0.6383
pcmac	0.4845	0.5155	0.4845	-0.1102	1.0000
pd	0.9079	0.0921	0.9079	0.7200	0.2379
pediatric-leukemia	0.8022	0.0588	0.7807	0.7411	0.1627
pendigits	0.9900	0.0020	0.9900	0.9889	0.0176
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8711	0.1289	0.8711	0.7181	0.5346
P-Glycoprotein_b_Substrate	0.7400	0.2600	0.7400	0.4800	0.7557
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8968	0.1032	0.8968	0.7947	0.4011
P-Glycoprotein_RDkit_AtomPair_FP	0.7000	0.3000	0.7000	0.4059	0.7966
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9510	0.0490	0.9510	0.8972	0.2697
phoneme	0.9019	0.0981	0.9019	0.7688	0.4724
phy	0.7170	0.2864	0.7070	0.4381	0.7937
pima	0.7632	0.2368	0.7632	0.4926	0.7331

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.5556	0.4444	0.5556	-0.2632	0.9745
polish-1st	0.9644	0.0356	0.9644	0.1855	0.2618
polish-2nd	0.9646	0.0354	0.9646	0.2685	0.3418
polish-3rd	0.9543	0.0457	0.9543	0.1340	0.2949
polish-4th	0.9561	0.0439	0.9561	0.3767	0.3829
polish-5th	0.9475	0.0525	0.9475	0.5239	0.4952
polya	0.7795	0.2205	0.7795	0.5123	0.7194
popularity	0.5624	0.2827	0.5675	0.2762	0.6597
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9603	0.0064	0.9905	0.9591	0.0410
pred-tox_mutagen_ref-desc	0.7500	0.2500	0.7500	0.5000	0.7345
primary-tumor	0.3939	0.0551	0.3939	0.3420	0.1912
profb	0.6418	0.3582	0.6418	0.2408	0.8663
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.6957	0.3522
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.8317	0.0240	0.8248	0.7894	0.2165
re1-wc	0.8141	0.0121	0.8131	0.8191	0.1760
rejafada	0.9995	0.0000	0.9954	0.9761	0.0000
relathe	0.9930	0.0070	0.9930	0.9858	0.0469
rnaseq	0.9686	0.0000	0.9724	0.9911	0.0000
rocket	0.7155	0.2845	0.7155	0.4300	0.7819
satimage	0.9082	0.0306	0.9082	0.8869	0.1527
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9471	0.0529	0.9471	0.7009	0.4627
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.5588	0.4412	0.5588	0.1176	0.9612
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	1.0000	0.0000	1.0000	0.9784	0.0000
segment	0.9697	0.0087	0.9697	0.9646	0.0384
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885
seismic	0.9225	0.0775	0.9225	0.2467	0.6393
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8526	0.1474	0.8526	0.0937	0.6868
sens-2-gram	0.8711	0.1289	0.8711	0.1974	0.5909
sens-3-gram	0.8737	0.1263	0.8737	0.2232	0.5844
sens-4-gram	0.8830	0.1254	0.8720	0.2184	0.6067
sensorless	0.9900	0.0004	0.9816	0.9958	0.0045
shoppers	0.8938	0.1062	0.8938	0.6148	0.5931
shuttle	0.9653	0.0001	1.0000	0.9888	0.0460
sick	0.9788	0.0212	0.9788	0.8149	0.2550
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7122	0.0959	0.7122	0.6426	0.2783
sonar	0.6000	0.4000	0.6000	0.2000	0.8750
soybean	0.9706	0.0031	0.9706	0.9678	0.0165
spambase	0.9348	0.0652	0.9348	0.8639	0.3315
spect	0.7037	0.2963	0.7037	0.3077	0.7542
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.7358	0.0110	0.7358	0.7214	0.0742
splice-EI	0.9716	0.0284	0.9716	0.9244	0.2028
splice-IE	0.9401	0.0599	0.9401	0.8363	0.3713
sport-articles	0.8000	0.2000	0.8000	0.5804	0.6732
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.8615	0.1385	0.8615	0.5940	0.6253

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.9201	0.0533	0.9201	0.8706	0.2026
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.8256	0.1744	0.8256	0.6108	0.6337
steel-p	0.9487	0.0513	0.9487	0.6779	0.5144
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.5385	0.3077	0.5385	0.3158	0.5235
student-weekend	0.2923	0.2831	0.2923	0.0682	0.7668
student-workday	0.6875	0.1250	0.6875	0.2497	0.5613
swarm_aligned	1.0000	0.0000	1.0000	0.9872	0.0000
swarm_flocking	0.9694	0.0000	1.0000	0.9666	0.0000
swarm_grouped	0.9702	0.0000	0.9738	0.9942	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8333	0.1667	0.8333	0.5179	0.6790
texture	0.9800	0.0036	0.9800	0.9779	0.0298
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.7234	0.2766	0.7234	-0.1594	0.8201
Thyroid_Diff	0.9737	0.0263	0.9737	0.9343	0.1051
tic-tac-toe	0.9789	0.0211	0.9789	0.9529	0.1491
tis	0.9071	0.0806	0.9205	0.7666	0.4426
titanic	0.7591	0.2409	0.7591	0.4549	0.7599
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.4865	0.4830	0.4877	0.0000	0.5325
transfusion	0.6000	0.4000	0.6000	0.0482	0.8623
trec11-wc	0.9136	0.0159	0.9346	0.8889	0.0511
trec12-wc	0.9677	0.0081	0.9677	0.9612	0.0265
trec21-wc	0.9103	0.0194	0.9420	0.8606	0.1097
trec23-wc	0.9048	0.0317	0.9048	0.8618	0.0774
trec31-wc	0.9537	0.0091	0.9496	0.9526	0.0563
trec41-wc	0.9089	0.0115	0.9157	0.9360	0.0692
trec45-wc	0.9238	0.0168	0.8869	0.8888	0.0652
tuandromd	0.9664	0.0336	0.9664	0.9002	0.2880
turkish	0.7500	0.1250	0.7500	0.6667	0.2816
urban	0.8657	0.0299	0.8657	0.8427	0.1267
vehicle	0.7262	0.1369	0.7262	0.6292	0.2661
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6667	0.0606	0.6667	0.6333	0.1898
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
wap-wc	0.3009	0.0669	0.3095	0.1346	0.2989
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8500	0.1000	0.8500	0.7750	0.3495
web-phishing	0.8667	0.0889	0.8667	0.7696	0.4014
weight-lift	0.4144	0.2364	0.4115	0.2011	0.3394
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9793	0.0207	0.9793	0.7891	0.4013
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6101	0.1300	0.6101	0.3925	0.5585
winequality-white	0.6217	0.1081	0.6217	0.4486	0.5040
yale	0.8125	0.0250	0.8125	0.7992	0.0481
yeast	0.5608	0.0878	0.5608	0.4424	0.5005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2	0.9459	0.0541	0.9459	0.3060	0.6026
zip	0.9322	0.0113	0.9484	0.9049	0.0951
zoo	0.9000	0.0286	0.9000	0.8701	0.0000

Table 224: Detailed results for BoostForest (500)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1511	0.0585	0.1511	0.0685	0.5640
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9844	0.0156	0.9844	0.2387	0.1459
ads	0.9787	0.0213	0.9787	0.9090	0.1832
adult	0.8552	0.1469	0.8404	0.5665	0.6264
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.9167	0.0833	0.9167	0.5345	0.2048
AID_1431	0.9048	0.0952	0.9048	-0.0148	0.5026
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8381	0.1619	0.8381	0.1616	0.3125
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9830	0.0003	0.9835	-0.0002	0.5085
AID373red	0.9781	0.0010	0.9654	0.2407	0.3814
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7297	0.2703	0.7297	0.4394	0.7874
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9905	0.0002	1.0000	0.9563	0.0014
AID604AID644_AllRed	0.9641	0.0010	1.0000	0.0000	0.0054
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red	0.9901	0.0099	0.9901	-0.0014	0.3140
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9590	0.0012	1.0000	-0.0003	0.3951
AID746red	0.9738	0.0059	0.9777	0.2118	0.3302
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5667	0.6469
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9847	0.0076	0.9847	0.9708	0.0404
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9889	0.0028	0.9889	0.9817	0.0554
anuran-species	0.9889	0.0022	0.9889	0.9845	0.0138
aps-failure	1.0000	0.0053	0.9909	0.8247	0.1761
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.7556	0.0376	0.7556	0.5639	0.1434
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8503	0.0302
audit-risk	0.9872	0.0128	0.9872	0.9731	0.0692
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.9842	0.0026	0.9842	0.9794	0.0281
balance	0.8710	0.0860	0.8710	0.7684	0.3283
bank	0.9124	0.0876	0.9124	0.5340	0.5843
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7906	0.3212
basehock	0.9548	0.0452	0.9548	0.9096	0.2220
biodeg	0.8952	0.1048	0.8952	0.7789	0.4599
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.7273	0.2727	0.7273	0.4407	0.7677
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9885	0.0057	0.9885	0.9755	0.0473
card	0.9130	0.0870	0.9130	0.8198	0.3843
cardiotocography	0.8592	0.0282	0.8592	0.8308	0.1656
cardiotocography-nsp	0.9624	0.0250	0.9624	0.8942	0.1349
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2602
cas_N6512_cdk_ECFP2	0.7773	0.2227	0.7773	0.5525	0.7062
census10%	0.9288	0.0464	0.9450	0.4527	0.4268
central-nervous-system	0.6667	0.3333	0.6667	0.0000	0.4644
cervical-B	0.9651	0.0349	0.9651	0.7088	0.3931
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
ci100410h_MACCS	0.7500	0.2500	0.7500	0.1847	0.8249
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3455	0.8195
cirrhosis	0.7381	0.1746	0.7381	0.4628	0.3973
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8333	0.0833	0.8333	0.7417	0.3938
climate	0.9444	0.0556	0.9444	0.3817	0.1486
cll_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5578	0.2948	0.5578	0.3043	0.6993
cnae-9	0.9259	0.0165	0.9259	0.9167	0.0828
codon_usage	0.9317	0.0124	0.9317	0.9167	0.0897
coil20	0.9780	0.0000	0.9711	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.7586	0.2414	0.7586	0.4528	0.7574
colposcopies-2	0.7241	0.2759	0.7241	0.3176	0.4472
colposcopies-3	0.7586	0.2414	0.7586	0.4963	0.7409
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.8276	0.1724	0.8276	0.0000	0.3213
colposcopies-6	0.7931	0.2069	0.7931	0.5817	0.5977
colposcopies-c	0.8276	0.1724	0.8276	0.3777	0.3360
column-2c	0.9032	0.0968	0.9032	0.7726	0.4294
column-3c	0.8065	0.1290	0.8065	0.6853	0.2802
connect-4	0.9777	0.0020	0.9782	0.9015	0.0079
cottonmeloidogyne	0.7692	0.2308	0.7692	0.5385	0.7189

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7760	0.2240	0.7760	0.5373	0.7054
covtypeCD	0.9955	0.0045	0.9955	0.9810	0.0570
covtypeT	0.9881	0.0119	0.9881	0.9068	0.2025
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.3357	0.6857
crowdsourced	0.9484	0.0172	0.9484	0.8925	0.1051
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.6562	0.0172	0.6562	0.6466	0.0384
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.8519	0.1481	0.8519	0.6971	0.5615
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8203	0.1797	0.8203	0.3926	0.6772
deposit	0.9056	0.0944	0.9056	0.5017	0.5961
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.2000	0.4997
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5236	0.7134
diabetes	0.9615	0.0385	0.9615	0.9187	0.2268
diabetic10%	0.5806	0.2737	0.5573	0.1619	0.5766
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5417	0.4583	0.5417	-0.0476	0.9193
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7607	0.1595	0.7607	0.5976	0.4649
drug-01	0.3617	0.1824	0.3617	0.0182	0.5638
drug-02	0.4840	0.1474	0.4840	0.1455	0.6973
drug-03	0.6915	0.0881	0.6915	0.1453	0.3608
drug-04	0.5160	0.1383	0.5160	0.1532	0.6380
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4202	0.1657	0.4202	0.2698	0.5403
drug-07	0.4096	0.1687	0.4096	0.0253	0.4576
drug-08	0.5798	0.1201	0.5798	0.2295	0.4862
drug-09	0.8723	0.0365	0.8723	0.0699	0.1044
drug-10	0.5426	0.1307	0.5426	0.1502	0.5275
drug-11	0.8404	0.0456	0.8404	-0.0137	0.2384
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6117	0.1109	0.6117	0.2521	0.4228
drug-14	0.6170	0.1094	0.6170	0.3389	0.5322
drug-15	0.7500	0.0714	0.7500	0.0699	0.3554
drug-16	0.5745	0.1216	0.5745	0.3081	0.4795
drug-17	0.3617	0.1824	0.3617	0.1277	0.6297
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.0469	0.3726
drybean	0.9265	0.0210	0.9265	0.9111	0.1190
ecoli	0.8235	0.0441	0.8235	0.7536	0.1141
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9394	0.0606	0.9394	0.6333	0.5293
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5658	0.0498	0.5772	0.5486	0.4708
eeg-eye	0.9299	0.0701	0.9299	0.8578	0.3339
EPA_FHM	0.9344	0.0656	0.9344	0.3029	0.5672
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2973	0.8058
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7348	0.4678
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8033	0.1967	0.8033	0.5542	0.6781
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.5463	0.5751
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7636	0.4676
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6849	0.1260	0.6849	0.5924	0.3307
euthyroid	0.9684	0.0316	0.9684	0.8159	0.3294
fbis-wc	0.8686	0.0165	0.8699	0.8074	0.0870
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.8000	0.0500	0.8000	0.7419	0.1110
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4066	0.0074	0.4248	0.3584	0.2743
forest	0.9231	0.0385	0.9231	0.8934	0.0853
gas	0.9950	0.0017	0.9950	0.9939	0.0125
gastrointestinal	0.9375	0.0417	0.9375	0.8954	0.0827
gender	0.6126	0.2582	0.6126	0.1762	0.5330
gene	0.9401	0.0400	0.9401	0.9042	0.1703
german	0.7500	0.2500	0.7500	0.3719	0.6479
gina	0.9625	0.0375	0.9625	0.9251	0.2150
glass	0.8095	0.0635	0.8095	0.7299	0.1711
glassBWFP	1.0000	0.0000	1.0000	1.0000	0.0000
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7108	0.5408
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.6000	0.2000	0.6000	0.4578	0.4267
haberman	0.7667	0.2333	0.7667	0.3226	0.7594
hapt	0.9355	0.0051	0.9387	0.9457	0.0346
hayes-roth	0.7500	0.1667	0.7500	0.6145	0.2031
hcc-survival	0.5882	0.4118	0.5882	0.1678	0.9290
heart	0.9259	0.0741	0.9259	0.8466	0.3590
heart-c	0.8667	0.1333	0.8667	0.7297	0.4898
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higher	0.3571	0.1607	0.3571	0.2270	0.2278
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8938	0.1062	0.8938	0.5867	0.5476
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.6667	0.2222	0.6667	0.4106	0.5576
htru2	0.9777	0.0223	0.9777	0.8620	0.2617
hypothyroid	0.9761	0.0119	0.9761	0.8615	0.2078
hypothyroidT	0.9973	0.0027	0.9973	0.9816	0.0997

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7458	0.2542	0.7458	0.2643	0.7483
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9143	0.0857	0.9143	0.7961	0.3975
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.8812	0.0065	0.8823	0.9148	0.0732
jm1	0.8292	0.1708	0.8292	0.3027	0.6439
lvowels	0.9900	0.0022	0.9900	0.9886	0.0187
kc1	0.8720	0.1280	0.8720	0.3454	0.5134
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5714	0.6564
kc1-class-level-numericdefect	0.7143	0.0238	0.7143	0.3488	0.1003
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8077	0.1923	0.8077	0.3350	0.7254
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8616	0.0140	0.8557	0.8386	0.1541
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.9107	0.0297	0.9082	0.8903	0.1512
la2s-wc	0.9309	0.0249	0.9345	0.8949	0.1500
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.8235	0.0088	0.8235	0.8151	0.0282
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9701	0.0021	0.9710	0.9502	0.0341
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.9167	0.0111	0.9167	0.9105	0.0357
liver	0.8235	0.1765	0.8235	0.5968	0.6488
lrs	0.8491	0.0302	0.8491	0.7907	0.1068
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.8346	0.1654	0.8346	0.6692	0.5947
magic04	0.8790	0.1210	0.8790	0.7259	0.4825
mammography	0.8229	0.1771	0.8229	0.6468	0.6085
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8614	0.0924	0.8614	0.7893	0.3270
messidor	0.7565	0.2435	0.7565	0.5069	0.7418
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9221	0.0473
meter-D	0.8889	0.0556	0.8889	0.8442	0.1259
mfeat-fac	0.9750	0.0050	0.9750	0.9722	0.0316
mfeat-fou	0.8400	0.0320	0.8400	0.8222	0.1353
mfeat-kar	0.9850	0.0030	0.9850	0.9833	0.0187
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2028
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0224
mfeat-zer	0.8450	0.0310	0.8450	0.8278	0.0764
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.7059	0.1176	0.7059	0.6300	0.3162
mobile	0.9580	0.0015	0.9580	0.9573	0.0194

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9727	0.0273	0.9727	0.8875	0.0949
mutagen_class_1	0.5588	0.4412	0.5588	0.1176	0.9612
mutagen_class_2	0.4118	0.5882	0.4118	-0.1765	1.0000
mutagen_class_3	0.4783	0.5217	0.4783	-0.0499	0.9880
mutagens_ExtendedFingerprinter	0.7647	0.2353	0.7647	0.5294	0.7238
MUT_ci034254q_MACCS	0.7049	0.2951	0.7049	0.3960	0.7979
MUT_ci300400a	0.8734	0.1266	0.8734	0.7407	0.5082
MUT_ci300400a_cdk_ECFP2	0.8429	0.1571	0.8429	0.6763	0.5826
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9161	0.0839	0.9161	0.8322	0.3388
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
newspop	0.6652	0.3348	0.6652	0.3241	0.8625
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9564	0.0319	0.9516	0.9007	0.2135
NPHA-doctor-visits	0.4583	0.3611	0.4583	0.0243	0.7415
nursery	0.9992	0.0003	0.9992	0.9989	0.0024
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0700
Occupancy_Estimation	0.9961	0.0020	0.9961	0.9880	0.0097
oh0-wc	0.8760	0.0174	0.9181	0.9008	0.0711
oh10-wc	0.7814	0.0450	0.7742	0.7258	0.2093
oh15-wc	0.8499	0.0286	0.8645	0.8390	0.1283
oh5-wc	0.8354	0.0329	0.8221	0.7973	0.1400
optdigits	0.9733	0.0053	0.9733	0.9703	0.0381
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	1.0000	0.0000	1.0000	1.0000	0.0000
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr	0.9289	0.0711	0.9289	0.1647	0.3724
p53-mutants10%	1.0000	0.0031	0.9738	0.0000	0.0148
page-blocks	0.9817	0.0073	0.9817	0.8932	0.1145
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac	0.5052	0.4948	0.5052	-0.0103	0.9920
pd	0.9079	0.0921	0.9079	0.7200	0.2379
pediatric-leukemia	0.7992	0.0577	0.8051	0.7185	0.1626
pendigits	0.9954	0.0009	0.9954	0.9949	0.0089
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8505	0.1495	0.8505	0.6633	0.5818
P-Glycoprotein_b_Substrate	0.7000	0.3000	0.7000	0.4000	0.7994
P-Glycoprotein_c_RDkit_AtomPair_FP	0.9048	0.0952	0.9048	0.8099	0.4016
P-Glycoprotein_RDkit_AtomPair_FP	0.7500	0.2500	0.7500	0.5098	0.6793
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9796	0.0204	0.9796	0.9571	0.1355
phoneme	0.9315	0.0685	0.9315	0.8296	0.3656
phy	0.7094	0.2906	0.7094	0.4188	0.8087
pima	0.7632	0.2368	0.7632	0.4738	0.6848

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.7222	0.2778	0.7222	0.0000	0.4246
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9558	0.0442	0.9558	0.0682	0.5103
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9520	0.0480	0.9520	0.3359	0.4652
polish-5th	0.9543	0.0457	0.9543	0.5496	0.3677
polya	0.8043	0.1957	0.8043	0.5524	0.6496
popularity	0.6891	0.2062	0.6605	0.2697	0.4638
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9964	0.0042	0.9528	0.9974	0.0275
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.3030	0.0634	0.3030	0.2395	0.2235
profb	0.8060	0.1940	0.8060	0.5330	0.6591
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	1.0000	0.0000	1.0000	1.0000	0.0000
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.8451	0.0234	0.8193	0.7692	0.2086
re1-wc	0.8109	0.0127	0.8312	0.8150	0.0935
rejafada	0.9795	0.0000	0.9844	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9986	0.0000	1.0000	0.9847	0.0000
rocket	0.6865	0.3135	0.6865	0.3517	0.8431
satimage	0.9129	0.0290	0.9129	0.8924	0.1439
satimageF	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT	0.9425	0.0575	0.9425	0.6182	0.3738
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.6176	0.3824	0.6176	0.2353	0.9023
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	0.9978	0.0000	1.0000	0.9822	0.0000
segment	0.9697	0.0087	0.9697	0.9646	0.0409
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9380	0.0620	0.9380	0.1046	0.1594
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-3-gram	0.8763	0.1237	0.8763	0.1245	0.3621
sens-4-gram	0.8706	0.1254	0.8783	0.1256	0.3534
sensorless	0.9596	0.0004	0.9880	1.0000	0.0045
shoppers	0.8970	0.1030	0.8970	0.5667	0.5620
shuttle	1.0000	0.0000	0.9827	0.9737	0.0134
sick	0.9708	0.0292	0.9708	0.7171	0.2170
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.7368	0.2632	0.7368	0.4693	0.7643
solar-flare	0.7626	0.0791	0.7626	0.6961	0.2033
sonar	0.6500	0.3500	0.6500	0.3000	0.8761
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9565	0.0435	0.9565	0.9086	0.2367
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6415	0.0149	0.6415	0.6200	0.1081
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9495	0.0505	0.9495	0.8628	0.3352
sport-articles	0.8400	0.1600	0.8400	0.6529	0.5962
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.8000	0.1333	0.8000	0.6429	0.0000
steel-b	0.8923	0.1077	0.8923	0.6403	0.4861

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.9095	0.0603	0.9095	0.8528	0.2181
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.8410	0.1590	0.8410	0.6363	0.5814
steel-p	0.9333	0.0667	0.9333	0.4474	0.5093
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9744	0.0256	0.9744	0.8638	0.3518
studentap	0.5385	0.3077	0.5385	0.2778	0.6089
student-weekend	0.3692	0.2523	0.3692	0.1302	0.6835
student-workday	0.7344	0.1062	0.7344	0.2201	0.3232
swarm_aligned	0.9899	0.0000	0.9855	0.9953	0.0000
swarm_flocking	1.0000	0.0000	0.9905	1.0000	0.0000
swarm_grouped	0.9863	0.0000	0.9634	0.9783	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9909	0.0017	0.9909	0.9900	0.0146
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9789	0.0211	0.9789	0.9521	0.0938
tis	0.9067	0.0823	0.8963	0.7275	0.3611
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5294	0.4706	0.5294	-0.2143	0.9882
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.4843	0.4840	0.4845	0.0000	0.5219
transfusion	0.6667	0.3333	0.6667	-0.0540	0.9098
trec11-wc	0.9530	0.0110	0.9193	0.9291	0.0292
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9596	0.0102	0.9785	0.9133	0.0254
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	0.9690	0.0060	0.9924	0.9515	0.0320
trec41-wc	0.9071	0.0112	0.9407	0.9296	0.0731
trec45-wc	0.9416	0.0116	0.9442	0.9144	0.0394
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8500	0.0750	0.8500	0.8000	0.1732
urban	0.8507	0.0332	0.8507	0.8252	0.1251
vehicle	0.8214	0.0893	0.8214	0.7594	0.1722
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.7172	0.0514	0.7172	0.6889	0.1609
vowelZ	0.9293	0.0707	0.9293	0.3419	0.1774
wap-wc	0.2940	0.0711	0.3149	0.1285	0.2947
warpar10p	1.0000	0.0000	1.0000	1.0000	0.0000
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8620	0.0920	0.8620	0.7930	0.3337
web-phishing	0.8667	0.0889	0.8667	0.7632	0.3901
weight-lift	0.4137	0.2286	0.4157	0.1955	0.3249
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9834	0.0166	0.9834	0.8096	0.2500
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7044	0.0985	0.7044	0.5241	0.3795
winequality-white	0.6892	0.0888	0.6892	0.5221	0.3410
yale	0.8750	0.0167	0.8750	0.8655	0.0275
yeast	0.6081	0.0784	0.6081	0.4917	0.3310

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9537	0.0076	0.9407	0.9295	0.0612
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 225: Detailed results for ExtraTree (500)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1655	0.0576	0.1655	0.0756	0.4532
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9589	0.0411	0.9589	0.3866	0.1182
accelerometer	0.9822	0.0178	0.9822	0.0000	0.0611
ads	0.9604	0.0396	0.9604	0.8210	0.2390
adult	0.8575	0.1425	0.8575	0.5608	0.5718
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8333	0.1667	0.8333	-0.0485	0.7128
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9126	0.0874	0.9126	-0.0311	0.6533
AID1608red	0.9417	0.0583	0.9417	0.0000	0.1518
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red	0.9990	0.0010	0.9990	0.0000	0.0055
AID439Morered	1.0000	0.0000	1.0000	1.0000	0.0000
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9970	0.0030	0.9970	0.0000	0.0141
AID600_MACCS	0.6486	0.3514	0.6486	0.2128	0.8442
AID_602330	0.9583	0.0417	0.9583	0.0000	0.1182
AID604	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.7000	0.3000	0.7000	0.1176	0.7934
AID644red	0.6500	0.3500	0.6500	0.0278	0.9068
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red	0.9940	0.0060	0.9940	0.0000	0.0253
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9791	0.0104	0.9791	0.9600	0.0495
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9638	0.0090	0.9638	0.9399	0.0530
anuran-species	0.9833	0.0033	0.9833	0.9767	0.0166
aps-failure	0.9862	0.0138	0.9862	0.3953	0.1495
arcene	0.7000	0.3000	0.7000	0.4000	0.7967
arrhythmia	0.6667	0.0513	0.6667	0.3356	0.1679
auction	0.9902	0.0098	0.9902	0.9544	0.0418
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0771
avila	0.6210	0.0632	0.6210	0.4301	0.2086
balance	0.9032	0.0645	0.9032	0.8178	0.1771
bank	0.9150	0.0850	0.9150	0.5209	0.5579
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8111	0.1889	0.8111	0.5401	0.4129
basehock	0.9397	0.0603	0.9397	0.8795	0.2641
biodeg	0.8667	0.1333	0.8667	0.7173	0.5345
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.8214	0.1786	0.8214	0.5070	0.6034
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.9091	0.0303	0.9091	0.8889	0.0434
bridges	0.8000	0.0571	0.8000	0.6970	0.0779
bze_3d_rdkit_descriptors	0.9024	0.0976	0.9024	0.6906	0.4527
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9598	0.0201	0.9598	0.9167	0.1688
card	0.8841	0.1159	0.8841	0.7575	0.4481
cardiotocography	0.8357	0.0329	0.8357	0.8012	0.1836
cardiotocography-nsp	0.9437	0.0376	0.9437	0.8308	0.0937
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7270	0.3766
cas_N6512_cdk_ECFP2	0.5545	0.4455	0.5545	0.0369	0.5649
census10%	0.9492	0.0508	0.9492	0.3157	0.3421
central-nervous-system	0.6667	0.3333	0.6667	0.2500	0.8750
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9535	0.0465	0.9535	0.3120	0.5355
cervical-S	0.9651	0.0349	0.9651	0.7514	0.1081
chemo_fontaine	0.9302	0.0698	0.9302	0.8562	0.3038
Choi_MACCS	0.7500	0.2500	0.7500	0.5000	0.5283
ci100410h_MACCS	0.8125	0.1875	0.8125	0.3094	0.6501
ci200186.atompair_fp	0.8182	0.1818	0.8182	0.6233	0.6246
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8727	0.1273	0.8727	0.7094	0.4381
ci900367j_MACCS	0.7053	0.2947	0.7053	0.2803	0.6395
cirrhosis	0.6905	0.2063	0.6905	0.3592	0.4339
cjs	1.0000	0.0000	1.0000	1.0000	0.0000
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8167	0.0917	0.8167	0.7112	0.3444
climate	0.9259	0.0741	0.9259	0.0000	0.1808
cll_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5442	0.3039	0.5442	0.2762	0.6687
cnae-9	0.6667	0.0741	0.6667	0.6250	0.1608
codon_usage	0.5863	0.0752	0.5863	0.4833	0.2419
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.6897	0.3103	0.6897	0.2478	0.7119
colposcopies-3	0.6897	0.3103	0.6897	0.2810	0.4723
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.7931	0.2069	0.7931	-0.0610	0.7557
colposcopies-6	0.6207	0.3793	0.6207	0.2200	0.5093
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.8065	0.1290	0.8065	0.6804	0.2845
connect-4	0.9839	0.0108	0.9839	0.4423	0.0328
cottonmeloidogyne	0.6226	0.3774	0.6226	0.2407	0.7287

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7050	0.2950	0.7050	0.3885	0.8140
covtypeCD	0.9906	0.0094	0.9906	0.9593	0.0863
covtypeT	0.9818	0.0182	0.9818	0.8525	0.2336
cox2_cdk_ECFP2	0.8043	0.1957	0.8043	0.1191	0.6444
crowdsourced	0.9235	0.0255	0.9235	0.8361	0.1453
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.6250	0.0187	0.6250	0.6141	0.0490
cyclopentane	0.7407	0.2593	0.7407	0.4522	0.6597
cylinder-bands	0.6852	0.3148	0.6852	0.2971	0.6308
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8273	0.1727	0.8273	0.4046	0.6439
deposit	0.9031	0.0969	0.9031	0.4468	0.5832
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.3514	0.4961
dexter	0.8833	0.1167	0.8833	0.7667	0.4224
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5144	0.4081
diabetes	0.9615	0.0385	0.9615	0.9172	0.1529
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.4000	0.6000	0.4000	-0.3636	1.0000
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.4583	0.5417	0.4583	-0.2000	1.0000
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7517	0.1655	0.7517	0.5777	0.4370
drug-01	0.3989	0.1717	0.3989	0.0100	0.3633
drug-02	0.5426	0.1307	0.5426	0.1061	0.3448
drug-03	0.7021	0.0851	0.7021	0.0532	0.1893
drug-04	0.5372	0.1322	0.5372	0.0346	0.3319
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.4043	0.1702	0.4043	0.2352	0.4753
drug-07	0.4415	0.1596	0.4415	0.0593	0.3841
drug-08	0.5798	0.1201	0.5798	0.1453	0.3527
drug-09	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10	0.5426	0.1307	0.5426	0.1358	0.4274
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13	0.6117	0.1109	0.6117	0.2257	0.3746
drug-14	0.5904	0.1170	0.5904	0.2771	0.4699
drug-15	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16	0.5745	0.1216	0.5745	0.2810	0.4429
drug-17	0.3883	0.1748	0.3883	0.1466	0.4257
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7766	0.0638	0.7766	0.0381	0.1584
drybean	0.9221	0.0223	0.9221	0.9058	0.1252
ecoli	0.8529	0.0368	0.8529	0.7954	0.1085
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9091	0.0909	0.9091	0.7626	0.4778
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.1788	0.1027	0.1788	0.0457	0.3921
eeg-eye	0.6382	0.3618	0.6382	0.2112	0.5357
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.2353	0.4644
er_tox_cdk_ECFP2	0.7000	0.3000	0.7000	0.2208	0.7108
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9344	0.0656	0.9344	0.7123	0.4831
er_tox_rdkit_descriptors	0.7869	0.2131	0.7869	0.5226	0.7110
er_tox_rdkit_FEATMORGAN	0.9355	0.0645	0.9355	0.8697	0.3213
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.3758	0.5635
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.7039	0.5412
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.0000	0.1322
eucalyptus	0.6575	0.1370	0.6575	0.5516	0.3307
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
fbis-wc	0.2846	0.0842	0.2846	0.1150	0.3096
fda.atompair_fp	0.7273	0.2727	0.7273	0.0000	0.4205
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.3000	0.1750	0.3000	0.0071	0.3131
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4148	0.0076	0.4148	0.3588	0.2651
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9073	0.0309	0.9073	0.8878	0.0937
gastrointestinal	0.9375	0.0417	0.9375	0.9018	0.1379
gender	0.5895	0.2737	0.5895	0.0039	0.3341
gene	0.9369	0.0421	0.9369	0.8993	0.1690
german	0.7200	0.2800	0.7200	0.2911	0.7145
gina	0.8617	0.1383	0.8617	0.7223	0.4834
glass	0.8571	0.0476	0.8571	0.7941	0.1186
glassBWFP	0.8571	0.1429	0.8571	0.6897	0.5386
glassBWNFP	0.8571	0.1429	0.8571	0.6400	0.3261
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	0.9545	0.0455	0.9545	0.0000	0.1262
glassVWFP	0.9524	0.0476	0.9524	0.0000	0.1307
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	1.0000	0.0000	1.0000	1.0000	0.0000
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2727	0.5736
haberman	0.7000	0.3000	0.7000	-0.0630	0.7714
hapt	0.8801	0.0200	0.8801	0.8582	0.1122
hayes-roth	0.6250	0.2500	0.6250	0.4074	0.3966
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.7778	0.2222	0.7778	0.5398	0.7121
heart-c	0.8000	0.2000	0.8000	0.5909	0.5866
hepatitis	0.8000	0.2000	0.8000	0.4444	0.7131
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higher	0.2143	0.1964	0.2143	0.0610	0.3932
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.8803	0.1197	0.8803	0.5087	0.5682
hiva	0.9622	0.0378	0.9622	-0.0045	0.3546
horse	0.6111	0.2593	0.6111	0.2951	0.6143
htru2	0.9777	0.0223	0.9777	0.8571	0.2133
hypothyroid	0.9814	0.0093	0.9814	0.8795	0.0332
hypothyroidT	0.9973	0.0027	0.9973	0.9810	0.0136

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7288	0.2712	0.7288	0.0817	0.4230
immuno-therapy	0.8889	0.1111	0.8889	0.6087	0.2605
ionosphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6791	0.0247	0.6791	0.6662	0.1444
jm1	0.8090	0.1910	0.8090	0.0501	0.4618
fvowels	0.9558	0.0098	0.9558	0.9499	0.0669
kc1	0.8626	0.1374	0.8626	0.2727	0.5332
kc1-class-level-defectiveornot	0.9333	0.0667	0.9333	0.8649	0.2846
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2500	0.2142
kc1-class-level-top5percentDF	0.9333	0.0667	0.9333	0.0000	0.1675
kc2	0.8269	0.1731	0.8269	0.3777	0.6558
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6927	0.0341	0.6927	0.6559	0.3260
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.4698	0.1767	0.4698	0.2618	0.3060
la2s-wc	0.5331	0.1556	0.5331	0.3532	0.2894
labor	1.0000	0.0000	1.0000	1.0000	0.0000
leaf	0.6765	0.0162	0.6765	0.6603	0.0627
led24	0.7500	0.0500	0.7500	0.7183	0.1008
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.7145	0.0220	0.7145	0.7033	0.1729
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8889	0.0148	0.8889	0.8807	0.0496
liver	0.7941	0.2059	0.7941	0.5182	0.7036
lrs	0.8679	0.0264	0.8679	0.8158	0.0756
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.7037	0.0872
lupus	0.6667	0.3333	0.6667	0.3077	0.8482
lymphography	0.7857	0.1071	0.7857	0.6147	0.2542
lymphoma2	0.8889	0.0247	0.8889	0.8500	0.0294
madelon	0.4923	0.5077	0.4923	-0.0154	0.6512
magic04	0.8453	0.1547	0.8453	0.6338	0.4937
mammography	0.8333	0.1667	0.8333	0.6671	0.5906
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8119	0.1254	0.8119	0.7122	0.3799
messidor	0.6261	0.3739	0.6261	0.2900	0.7603
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9241	0.0699
meter-D	0.8889	0.0556	0.8889	0.8475	0.1019
mfeat-fac	0.9550	0.0090	0.9550	0.9500	0.0544
mfeat-fou	0.8000	0.0400	0.8000	0.7778	0.1479
mfeat-kar	0.9550	0.0090	0.9550	0.9500	0.0545
mfeat-mor	0.7000	0.0600	0.7000	0.6667	0.1964
mfeat-pix	0.9500	0.0100	0.9500	0.9444	0.0597
mfeat-zer	0.7900	0.0420	0.7900	0.7667	0.1471
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6176	0.1529	0.6176	0.5211	0.3318
mobile	0.7483	0.0090	0.7483	0.7436	0.0936

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.8361	0.1639	0.8361	0.5906	0.3522
monks-3	0.9821	0.0179	0.9821	0.9642	0.0997
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9318	0.0682	0.9318	0.6817	0.1818
mutagen_class_1	0.5147	0.4853	0.5147	0.0294	0.9385
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.6022
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3711	0.8369
MUT_ci300400a	0.5940	0.4060	0.5940	0.0545	0.5294
MUT_ci300400a_cdk_ECFP2	0.5983	0.4017	0.5983	0.0451	0.5442
myocardial	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid	0.9495	0.0505	0.9495	0.8991	0.2554
nci9	0.6667	0.0741	0.6667	0.6129	0.0312
newspop	0.6221	0.3779	0.6221	0.2255	0.8805
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	1.0000	0.0000	1.0000	1.0000	0.0000
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9463	0.0537	0.9463	0.8674	0.3074
NPHA-doctor-visits	0.5139	0.3241	0.5139	0.0618	0.5679
nursery	0.9946	0.0022	0.9946	0.9921	0.0218
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0783
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9790	0.0301
oh0-wc	0.5545	0.0891	0.5545	0.4712	0.2081
oh10-wc	0.5429	0.0914	0.5429	0.4666	0.2655
oh15-wc	0.5435	0.0913	0.5435	0.4624	0.2361
oh5-wc	0.4505	0.1099	0.4505	0.3533	0.2772
optdigits	0.9626	0.0075	0.9626	0.9585	0.0520
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.6750	0.0163	0.6750	0.6667	0.0743
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr	0.9328	0.0672	0.9328	0.1787	0.1695
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9744	0.0102	0.9744	0.8448	0.1284
pah.atompair_fp	0.7000	0.3000	0.7000	0.2857	0.4644
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
pasture	0.7500	0.1667	0.7500	0.5556	0.1741
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.5722	0.4278	0.5722	-0.0205	0.6375
pd	0.8289	0.1711	0.8289	0.4091	0.3366
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9891	0.0022	0.9891	0.9879	0.0163
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8247	0.1753	0.8247	0.5947	0.6265
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.8750
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7310	0.5083
P-Glycoprotein_RDkit_AtomPair_FP	0.8500	0.1500	0.8500	0.7000	0.5510
Pgp_desc	0.7500	0.2500	0.7500	0.4681	0.7547
phishing	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme	0.9056	0.0944	0.9056	0.7603	0.4399
phy	0.6904	0.3096	0.6904	0.3802	0.8182
pima	0.7237	0.2763	0.7237	0.3824	0.7533

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.7222	0.2778	0.7222	0.0000	0.4246
polish-1st	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th	0.9323	0.0677	0.9323	0.0822	0.2909
polya	0.6454	0.3546	0.6454	0.0116	0.4778
popularity	0.6310	0.2460	0.6310	-0.0003	0.3070
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.7536	0.0985	0.7536	0.6918	0.2228
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.7746
primary-tumor	0.4545	0.0496	0.4545	0.3870	0.2119
profb	0.6866	0.3134	0.6866	0.0601	0.4545
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.9286	0.0714	0.9286	0.8571	0.2846
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.4400	0.0862	0.4400	0.0900	0.2556
re1-wc	0.4337	0.0453	0.4337	0.3067	0.2207
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.6430	0.3570	0.6430	0.2483	0.8937
satimage	0.8756	0.0415	0.8756	0.8452	0.1642
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9331	0.0669	0.9331	0.5563	0.4512
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.6667	0.3333	0.6667	0.1818	0.8134
schizo	0.6176	0.3824	0.6176	0.2353	0.9023
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.6290	0.3710	0.6290	0.3057	0.5336
segment	0.9654	0.0099	0.9654	0.9595	0.0524
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9811	0.0189	0.9811	0.8863	0.0684
sens-1-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-3-gram	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless	0.9827	0.0031	0.9827	0.9810	0.0234
shoppers	0.8994	0.1006	0.8994	0.5799	0.5559
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9708	0.0292	0.9708	0.7038	0.0927
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.4211	0.5789	0.4211	-0.1421	1.0000
solar-flare	0.7842	0.0719	0.7842	0.7226	0.1761
sonar	0.6000	0.4000	0.6000	0.2000	0.9288
soybean	1.0000	0.0000	1.0000	1.0000	0.0000
spambase	0.8978	0.1022	0.8978	0.7781	0.3520
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.3774	0.0259	0.3774	0.3286	0.1873
splice-EI	0.9842	0.0158	0.9842	0.9587	0.1501
splice-IE	0.9495	0.0505	0.9495	0.8628	0.3352
sport-articles	0.8100	0.1900	0.8100	0.6035	0.6508
squash-stored	0.8000	0.1333	0.8000	0.6875	0.1858
squash-unstored	0.8000	0.1333	0.8000	0.6154	0.2322
steel-b	0.8564	0.1436	0.8564	0.5057	0.5945

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9846	0.0154	0.9846	0.6597	0.0550
steel_industry	0.8990	0.0674	0.8990	0.8359	0.2294
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7436	0.2564	0.7436	0.3303	0.5451
steel-p	0.9282	0.0718	0.9282	0.3338	0.4755
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9795	0.0205	0.9795	0.8886	0.3044
studentap	0.6923	0.2051	0.6923	0.5094	0.3085
student-weekend	0.4462	0.2215	0.4462	0.1964	0.5088
student-workday	0.7031	0.1187	0.7031	0.0850	0.3350
swarm_aligned	1.0000	0.0000	1.0000	1.0000	0.0000
swarm_flocking	0.9996	0.0004	0.9996	0.9992	0.0047
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.5980
Tdp_desc	0.9167	0.0833	0.9167	0.7216	0.2185
texture	0.9655	0.0063	0.9655	0.9619	0.0441
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9474	0.0526	0.9474	0.8648	0.1717
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8743	0.1257	0.8743	0.6477	0.5545
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5882	0.4118	0.5882	-0.1121	0.8833
toxicity-13f	0.8235	0.1765	0.8235	0.5641	0.3671
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.7200	0.2800	0.7200	0.1147	0.8550
trec11-wc	0.4634	0.1192	0.4634	0.2726	0.3325
trec12-wc	0.6774	0.0806	0.6774	0.5889	0.1466
trec21-wc	0.7879	0.0707	0.7879	0.4366	0.1287
trec23-wc	0.8571	0.0476	0.8571	0.8006	0.1495
trec31-wc	0.6989	0.0860	0.6989	0.5767	0.2063
trec41-wc	0.5682	0.0864	0.5682	0.4260	0.1979
trec45-wc	0.5072	0.0986	0.5072	0.3826	0.2404
tuandromd	0.9865	0.0135	0.9865	0.9582	0.1317
turkish	0.8500	0.0750	0.8500	0.8000	0.1988
urban	0.8507	0.0332	0.8507	0.8251	0.1415
vehicle	0.7619	0.1190	0.7619	0.6782	0.2258
vehicleVAN	0.9881	0.0119	0.9881	0.9688	0.1262
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.9302	0.0698	0.9302	0.8605	0.3321
vowel	0.6869	0.0569	0.6869	0.6556	0.1903
vowelZ	0.9293	0.0707	0.9293	0.3419	0.1774
wap-wc	0.3077	0.0692	0.3077	0.1330	0.2983
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8080	0.1280	0.8080	0.7121	0.3719
web-phishing	0.8667	0.0889	0.8667	0.7621	0.3817
weight-lift	0.4265	0.2294	0.4265	0.2148	0.3266
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9855	0.0145	0.9855	0.8219	0.0533
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6415	0.1195	0.6415	0.4041	0.3296
winequality-white	0.5112	0.1396	0.5112	0.1832	0.4239
yale	0.8125	0.0250	0.8125	0.7983	0.0407
yeast	0.5541	0.0892	0.5541	0.4316	0.3079

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9344	0.0131	0.9344	0.9265	0.0988
zoo	0.8000	0.0571	0.8000	0.7436	0.0000

Table 226: Detailed results for HistGradientBoostingTrees (500)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.0624	0.0647	0.0624	-0.0264	0.4216
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9178	0.0822	0.9178	0.2065	0.6507
accelerometer	0.9850	0.0150	0.9850	0.3787	0.3327
ads	0.9787	0.0213	0.9787	0.9073	0.1433
adult	0.8688	0.1312	0.8688	0.6129	0.5685
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8611	0.1389	0.8611	0.2241	0.6486
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8381	0.1619	0.8381	0.2947	0.6359
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9977	0.0023	0.9977	-0.0003	0.1004
AID373red	0.9948	0.0052	0.9948	0.0591	0.2757
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3127	0.8572
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9963	0.0037	0.9963	0.3121	0.4546
AID604AID644_AllRed	0.9972	0.0028	0.9972	0.1040	0.4234
AID644Morered	0.5500	0.4500	0.5500	-0.1250	0.9680
AID644red	0.5500	0.4500	0.5500	-0.1250	0.9680
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9970	0.0030	0.9970	-0.0010	0.2611
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9931	0.0069	0.9931	0.0449	0.2193
AID746red	0.9920	0.0080	0.9920	0.1392	0.5393
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8462	0.1538	0.8462	0.5455	0.6415
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9775	0.0090	0.9775	0.9538	0.0937
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9917	0.0042	0.9917	0.9841	0.0246
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9917	0.0021	0.9917	0.9863	0.0450
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0191
aps-failure	0.9918	0.0082	0.9918	0.7479	0.3068
arcene	0.9000	0.1000	0.9000	0.7917	0.4410
arrhythmia	0.7556	0.0376	0.7556	0.6087	0.2555
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.6522	0.0290	0.6522	0.5938	0.0929
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8000	0.1294
avila	0.9789	0.0035	0.9789	0.9725	0.0418
balance	0.8710	0.0860	0.8710	0.7735	0.3032
bank	0.9136	0.0864	0.9136	0.5418	0.5804
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7942	0.3816
basehock	0.9648	0.0352	0.9648	0.9297	0.1892
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7143	0.2857	0.7143	0.2432	0.8417
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.4545	0.5455	0.4545	-0.1379	1.0000
breast-tissue	0.7273	0.0909	0.7273	0.6667	0.1595
bridges	0.6000	0.1143	0.6000	0.4667	0.1012
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.0000	0.4882
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8696	0.1304	0.8696	0.7336	0.5197
cardiotocography	0.8873	0.0225	0.8873	0.8650	0.1277
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8677	0.1902
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7260	0.2722
cas_N6512_cdk_ECFP2	0.7665	0.2335	0.7665	0.5290	0.7244
census10%	0.9579	0.0421	0.9579	0.5234	0.3962
central-nervous-system	0.5000	0.5000	0.5000	-0.2857	1.0000
cervical-B	0.9302	0.0698	0.9302	0.2229	0.5285
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.6485	0.5273
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	0.9535	0.0465	0.9535	0.9029	0.2404
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
ci100410h_MACCS	0.8438	0.1562	0.8438	0.4595	0.5958
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8545	0.1455	0.8545	0.6788	0.5564
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4057	0.7969
cirrhosis	0.8095	0.1270	0.8095	0.6056	0.2977
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8657	0.0671	0.8657	0.7910	0.2969
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.0000	0.2236
cmc	0.5714	0.2857	0.5714	0.3248	0.6744
cnae-9	0.8611	0.0309	0.8611	0.8438	0.1399
codon_usage	0.8887	0.0202	0.8887	0.8651	0.2557
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	0.9800	0.0027	0.9800	0.9780	0.0067
colon-tumor	0.8333	0.1667	0.8333	0.6667	0.4644
colposcopies-1	0.7241	0.2759	0.7241	0.4171	0.7845
colposcopies-2	0.7586	0.2414	0.7586	0.4377	0.6462
colposcopies-3	0.5862	0.4138	0.5862	0.1471	0.9416
colposcopies-4	0.8621	0.1379	0.8621	0.5915	0.3064
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7586	0.2414	0.7586	0.5132	0.7040
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9996	0.0003	0.9996	0.9899	0.0015
cottonmeloidogyne	0.7837	0.2163	0.7837	0.5675	0.6913

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7603	0.2397	0.7603	0.5025	0.7279
covtypeCD	0.9945	0.0055	0.9945	0.9767	0.0699
covtypeT	0.9886	0.0114	0.9886	0.9112	0.2002
cox2_cdk_ECFP2	0.8696	0.1304	0.8696	0.5475	0.5986
crowdsourced	0.9650	0.0117	0.9650	0.9279	0.0888
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.4062	0.0297	0.4062	0.3896	0.0783
cyclopentane	0.5926	0.4074	0.5926	0.1681	0.9372
cylinder-bands	0.7963	0.2037	0.7963	0.5858	0.6749
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8280	0.1720	0.8280	0.4084	0.6437
deposit	0.9069	0.0931	0.9069	0.5139	0.5935
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.4839	0.2059
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7500	0.2500	0.7500	0.4676	0.7578
diabetes	0.9423	0.0577	0.9423	0.8793	0.3074
diabetic10%	0.5747	0.2836	0.5747	0.1951	0.6140
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.6250	0.3750	0.6250	0.1692	0.8621
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7743	0.1505	0.7743	0.6251	0.4619
drug-01	0.2819	0.2052	0.2819	-0.0505	0.7154
drug-02	0.4894	0.1459	0.4894	0.1221	0.6326
drug-03	0.6223	0.1079	0.6223	0.0221	0.4890
drug-04	0.4574	0.1550	0.4574	0.0666	0.7687
drug-05	0.7128	0.0821	0.7128	0.0040	0.3472
drug-06	0.3564	0.1839	0.3564	0.1993	0.6315
drug-07	0.4096	0.1687	0.4096	0.0429	0.5024
drug-08	0.5266	0.1353	0.5266	0.1547	0.5797
drug-09	0.8670	0.0380	0.8670	0.1172	0.3114
drug-10	0.5372	0.1322	0.5372	0.2020	0.5933
drug-11	0.8245	0.0502	0.8245	0.0638	0.4747
drug-12	0.7713	0.0654	0.7713	0.0580	0.4485
drug-13	0.6117	0.1109	0.6117	0.2811	0.4313
drug-14	0.5691	0.1231	0.5691	0.2531	0.6329
drug-15	0.7553	0.0699	0.7553	0.1924	0.5549
drug-16	0.5532	0.1277	0.5532	0.2719	0.5433
drug-17	0.3457	0.1869	0.3457	0.1384	0.7376
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.1458	0.4309
drybean	0.9265	0.0210	0.9265	0.9111	0.1189
ecoli	0.7647	0.0588	0.7647	0.6695	0.1715
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9697	0.0303	0.9697	0.9138	0.1112
ecoliMU	0.8788	0.1212	0.8788	0.4359	0.6316
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.5651	0.0544	0.5651	0.5176	0.5254
eeg-eye	0.8832	0.1168	0.8832	0.7625	0.4720
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6667	0.3333	0.6667	0.2489	0.8574
er_tox_cdk_ECFP2	0.8833	0.1167	0.8833	0.7407	0.4940
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.6051	0.6485
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_MORGAN	0.9516	0.0484	0.9516	0.6437	0.5283
er_tox_rdkit_PATTERN	1.0000	0.0000	1.0000	1.0000	0.0000
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6946	0.5567
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6849	0.1260	0.6849	0.5918	0.3434
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8943	0.0124	0.8943	0.8801	0.0611
fda.atompair_fp	0.5909	0.4091	0.5909	-0.0879	0.9432
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6845	0.0975
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4217	0.0072	0.4248	0.3705	0.2661
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9942	0.0019	0.9942	0.9930	0.0137
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5516	0.2989	0.5516	0.0716	0.6288
gene	0.9495	0.0336	0.9495	0.9190	0.1531
german	0.7000	0.3000	0.7000	0.2405	0.7630
gina	0.9568	0.0432	0.9568	0.9136	0.2321
glass	0.7619	0.0794	0.7619	0.6698	0.2551
glassBWFP	0.7619	0.2381	0.7619	0.4560	0.6789
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.7000	0.3000	0.7000	0.3478	0.8010
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4000	0.3000	0.4000	0.1768	0.5058
haberman	0.7000	0.3000	0.7000	0.0426	0.8482
hapt	0.5288	0.0785	0.5288	0.4479	0.5449
hayes-roth	0.5625	0.2917	0.5625	0.3212	0.6135
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.7407	0.2593	0.7407	0.4553	0.7701
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559
hERG-121inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-64inputs	0.7143	0.2857	0.7143	0.0000	0.4308
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higher	0.2857	0.1786	0.2857	0.1411	0.3168
hinselmann	0.7000	0.3000	0.7000	-0.1538	0.8916
hiv1-proteasa	0.9207	0.0793	0.9207	0.6969	0.4458
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6944	0.2037	0.6944	0.4560	0.5235
htru2	0.9793	0.0207	0.9793	0.8720	0.2411
hypothyroid	0.9947	0.0027	0.9947	0.9680	0.0164
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6949	0.3051	0.6949	0.1690	0.8638
immuno-therapy	0.6667	0.3333	0.6667	-0.1739	0.9159
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9281	0.0055	0.9281	0.9252	0.0667
jm1	0.8274	0.1726	0.8274	0.2752	0.6274
jvowels	0.9930	0.0016	0.9930	0.9920	0.0132
kc1	0.8720	0.1280	0.8720	0.3665	0.5495
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4737	0.7262
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.0522
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8462	0.1538	0.8462	0.4680	0.6202
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.6189	0.0423	0.6189	0.5731	0.4415
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8845	0.0292	0.9095	0.9009	0.1571
la2s-wc	0.9189	0.0255	0.9213	0.9170	0.1518
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6471	0.0176	0.6471	0.6304	0.0726
led24	0.6500	0.0700	0.6500	0.6067	0.1603
lenses	0.3333	0.4444	0.3333	0.0000	0.4167
letter	0.9635	0.0028	0.9635	0.9620	0.0429
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.8056	0.0259	0.8056	0.7914	0.0673
liver	0.7941	0.2059	0.7941	0.5182	0.7036
lrs	0.8302	0.0340	0.8302	0.7633	0.1039
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9048	0.0381	0.9048	0.7981	0.0857
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.4167
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.0000	0.4644
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.8889	0.1111	0.8889	0.7692	0.3145
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.8423	0.1577	0.8423	0.6846	0.5760
magic04	0.8827	0.1173	0.8827	0.7362	0.4818
mammography	0.7812	0.2188	0.7812	0.5636	0.6896
MAO_MACCS	0.7143	0.2857	0.7143	0.4167	0.8058
maternal	0.8416	0.1056	0.8416	0.7598	0.3624
messidor	0.7217	0.2783	0.7217	0.4232	0.7872
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9650	0.0070	0.9650	0.9611	0.0379
mfeat-fou	0.8350	0.0330	0.8350	0.8167	0.1416
mfeat-kar	0.9750	0.0050	0.9750	0.9722	0.0315
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2087
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0313
mfeat-zer	0.7950	0.0410	0.7950	0.7722	0.1195
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4106	0.4601
mobile	0.9021	0.0035	0.9021	0.9003	0.0454

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9672	0.0328	0.9672	0.9257	0.1307
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9848	0.0152	0.9848	0.9396	0.0605
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.7941	0.2059	0.7941	0.5882	0.6623
MUT_ci034254q_MACCS	0.7377	0.2623	0.7377	0.4661	0.7605
MUT_ci300400a	0.8509	0.1491	0.8509	0.6936	0.5614
MUT_ci300400a_cdk_ECFP2	0.8118	0.1882	0.8118	0.6099	0.6460
myocardial	0.8882	0.0279	0.8882	0.4439	0.0935
naticusdroid	0.9714	0.0286	0.9714	0.9427	0.1752
nci9	0.8333	0.0370	0.8333	0.8000	0.0440
newspop	0.6799	0.3201	0.6799	0.3538	0.8454
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9681	0.0319	0.9681	0.9217	0.2151
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0630	0.7868
nursery	0.9599	0.0160	0.9599	0.9414	0.1262
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0835
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0130
oh0-wc	0.8713	0.0257	0.8713	0.8523	0.1168
oh10-wc	0.7810	0.0438	0.7810	0.7514	0.2080
oh15-wc	0.8152	0.0370	0.8152	0.7897	0.1760
oh5-wc	0.8022	0.0396	0.8022	0.7759	0.1789
optdigits	0.9662	0.0068	0.9662	0.9624	0.0483
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9170	0.0830	0.9170	0.1286	0.5935
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.8556	0.0578	0.8556	0.2736	0.4692
pah.atompair_fp	0.8000	0.2000	0.8000	0.5455	0.4011
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.8947	0.1053	0.8947	0.7286	0.5039
pasture	0.2500	0.5000	0.2500	0.0000	0.4055
pc1	0.9459	0.0541	0.9459	0.4748	0.4271
pcmac	0.4794	0.5206	0.4794	-0.1031	1.0000
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9945	0.0011	0.9945	0.9939	0.0103
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.7778	0.2222	0.7778	0.5000	0.7296
P-Glycoprotein_b_Inhibitor	0.8454	0.1546	0.8454	0.6504	0.5924
P-Glycoprotein_b_Substrate	0.6400	0.3600	0.6400	0.2800	0.8809
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8651	0.1349	0.8651	0.7304	0.5174
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.6500	0.3500	0.6500	0.2857	0.8745
phishing	0.9755	0.0245	0.9755	0.9482	0.1381
phoneme	0.9111	0.0889	0.9111	0.7820	0.4451
phy	0.7380	0.2620	0.7380	0.4760	0.7683
pima	0.7368	0.2632	0.7368	0.4225	0.7566

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.5556	0.4444	0.5556	-0.1077	0.9442
polish-1st	0.9815	0.0185	0.9815	0.6744	0.0639
polish-2nd	0.9744	0.0256	0.9744	0.5550	0.2909
polish-3rd	0.9619	0.0381	0.9619	0.4278	0.3976
polish-4th	0.9724	0.0276	0.9724	0.6892	0.3547
polish-5th	0.9712	0.0288	0.9712	0.7389	0.2318
polya	0.8000	0.2000	0.8000	0.5556	0.6801
popularity	0.6878	0.2082	0.6878	0.2771	0.4853
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9972	0.0011	0.9972	0.9965	0.0095
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.3939	0.0551	0.3939	0.3333	0.2536
profb	0.7015	0.2985	0.7015	0.2725	0.8402
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.9000	0.1000	0.9000	0.8000	0.4226
re0-wc	0.8733	0.0195	0.8733	0.8368	0.1644
re1-wc	0.8313	0.0135	0.8313	0.8075	0.1321
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7068	0.2932	0.7068	0.3937	0.8178
satimage	0.9160	0.0280	0.9160	0.8964	0.1431
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9518	0.0482	0.9518	0.7089	0.3925
scadi	0.7143	0.0816	0.7143	0.6316	0.1263
schiller	0.7778	0.2222	0.7778	0.0000	0.3750
schizo	0.4706	0.5294	0.4706	-0.0588	1.0000
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9995	0.0005	0.9995	0.9990	0.0057
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9341	0.0659	0.9341	0.2346	0.5292
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8605	0.1395	0.8605	0.0127	0.5424
sens-2-gram	0.8737	0.1263	0.8737	0.1412	0.4751
sens-3-gram	0.8868	0.1132	0.8868	0.2783	0.4458
sens-4-gram	0.8763	0.1237	0.8763	0.1701	0.4692
sensorless	0.9985	0.0003	0.9985	0.9983	0.0034
shoppers	0.8994	0.1006	0.8994	0.5818	0.5578
shuttle	0.9926	0.0021	0.9926	0.9793	0.1344
sick	0.9867	0.0133	0.9867	0.8866	0.1604
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6316	0.3684	0.6316	0.2732	0.8562
solar-flare	0.7626	0.0791	0.7626	0.6972	0.2261
sonar	0.6000	0.4000	0.6000	0.2000	0.9166
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9478	0.0522	0.9478	0.8909	0.2817
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8571	0.1429	0.8571	0.6392	0.5823
spectrometer	0.5849	0.0173	0.5849	0.5610	0.1156
splice-EI	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE	0.9495	0.0505	0.9495	0.8615	0.3301
sport-articles	0.8400	0.1600	0.8400	0.6568	0.5995
squash-stored	0.6000	0.2667	0.6000	0.3750	0.4000
squash-unstored	0.4000	0.4000	0.4000	0.0000	0.2619
steel-b	0.9026	0.0974	0.9026	0.6929	0.4949

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.7950	0.0398
steel_industry	0.9118	0.0588	0.9118	0.8568	0.2162
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8308	0.1692	0.8308	0.6129	0.6066
steel-p	0.9333	0.0667	0.9333	0.4840	0.5404
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1574	0.6486
student-weekend	0.3692	0.2523	0.3692	0.1364	0.6789
student-workday	0.7031	0.1187	0.7031	0.2205	0.3434
swarm_aligned	0.9733	0.0000	0.9624	0.9616	0.0000
swarm_flocking	0.9949	0.0000	0.9867	1.0000	0.0000
swarm_grouped	0.9856	0.0000	0.9920	0.9996	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9836	0.0030	0.9836	0.9820	0.0255
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8085	0.1915	0.8085	0.0824	0.7852
Thyroid_Diff	0.9211	0.0789	0.9211	0.8131	0.4145
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9289	0.0711	0.9289	0.8014	0.3624
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.6471	0.1765	0.6471	0.5342	0.2560
toxicity	0.7059	0.2941	0.7059	0.2735	0.7752
toxicity-13f	0.5882	0.4118	0.5882	0.0630	0.9501
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6000	0.4000	0.6000	-0.1398	0.9213
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9697	0.0101	0.9697	0.9345	0.0259
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	1.0000	0.0000	1.0000	1.0000	0.0000
trec41-wc	0.9659	0.0068	0.9659	0.9583	0.0329
trec45-wc	0.9855	0.0029	0.9855	0.9831	0.0066
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.6750	0.1625	0.6750	0.5667	0.3549
urban	0.8657	0.0299	0.8657	0.8430	0.1242
vehicle	0.7738	0.1131	0.7738	0.6947	0.2074
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8000	0.2404
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.5758	0.0771	0.5758	0.5333	0.2090
vowelZ	0.9697	0.0303	0.9697	0.7843	0.0972
wap-wc	0.8526	0.0147	0.8526	0.8351	0.1173
warpar10p	0.8462	0.0308	0.8462	0.8267	0.0538
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
waveform	0.8340	0.1107	0.8340	0.7510	0.3783
web-phishing	0.8667	0.0889	0.8667	0.7628	0.3790
weight-lift	0.9990	0.0004	0.9990	0.9987	0.0036
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	0.9950	0.0025	0.9950	0.9933	0.0128
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7233	0.0922	0.7233	0.5516	0.3112
winequality-white	0.6830	0.0906	0.6830	0.5162	0.3513
yale	0.6250	0.0500	0.6250	0.6000	0.0873
yeast	0.5811	0.0838	0.5811	0.4579	0.3870

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9581	0.0084	0.9581	0.9530	0.0687
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 227: Detailed results for HybridGB (500)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1463	0.0589	0.1463	0.0699	0.5904
abalone19	0.9904	0.0096	0.9904	-0.0036	0.5293
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9856	0.0144	0.9856	0.4045	0.3012
ads	0.9787	0.0213	0.9787	0.9107	0.2129
adult	0.8690	0.1310	0.8690	0.6175	0.5736
AID1284Morered	0.8611	0.1389	0.8611	0.2241	0.6486
AID1284red	0.8889	0.1111	0.8889	0.3010	0.2451
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.8095	0.1905	0.8095	0.1917	0.7406
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9970	0.0030	0.9970	-0.0013	0.3955
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.8571	0.1429	0.8571	0.0000	0.2846
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3273	0.8564
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9988	0.0012	0.9988	0.2217	0.4869
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red	0.9904	0.0096	0.9904	-0.0007	0.2166
AID721morered	0.7778	0.2222	0.7778	0.0000	0.3750
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9983	0.0017	0.9983	-0.0008	0.5343
AID746red	0.9945	0.0055	0.9945	0.2311	0.2282
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8615	0.1385	0.8615	0.5806	0.5911
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	0.9663	0.0135	0.9663	0.9297	0.1089
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9761	0.0352
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9903	0.0024	0.9903	0.9840	0.0745
anuran-species	0.9875	0.0025	0.9875	0.9826	0.0397
aps-failure	0.9954	0.0046	0.9954	0.8604	0.1731
arcene	0.9000	0.1000	0.9000	0.7826	0.2846
arrhythmia	0.7778	0.0342	0.7778	0.6440	0.2232
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.7826	0.0181	0.7826	0.7484	0.0580
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.4054	0.0991	0.4054	-0.0015	0.4055
balance	0.8710	0.0860	0.8710	0.7737	0.3035
bank	0.9143	0.0857	0.9143	0.5567	0.5818
banknote	0.9927	0.0073	0.9927	0.9852	0.0564

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7942	0.3816
basehock	0.9698	0.0302	0.9698	0.9397	0.1709
biodeg	0.9048	0.0952	0.9048	0.7961	0.4225
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7143	0.2857	0.7143	0.3000	0.8322
breast-cancer-co	0.8182	0.1818	0.8182	0.6333	0.6309
breast-cancer-ma	0.5455	0.4545	0.5455	0.0678	0.9704
breast-tissue	0.6364	0.1212	0.6364	0.5600	0.1943
bridges	0.7000	0.0857	0.7000	0.5946	0.1414
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.6250	0.3750	0.6250	0.1429	0.9116
cancer	0.9855	0.0145	0.9855	0.9677	0.0715
car	1.0000	0.0000	1.0000	1.0000	0.0000
card	0.8841	0.1159	0.8841	0.7621	0.4822
cardiotocography	0.9014	0.0197	0.9014	0.8821	0.1180
cardiotocography-nsp	0.9484	0.0344	0.9484	0.8532	0.1969
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8500	0.1000	0.8500	0.7267	0.3189
cas_N6512_cdk_ECFP2	0.7757	0.2243	0.7757	0.5480	0.7092
census10%	0.9559	0.0441	0.9559	0.5073	0.4315
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.5764	0.4388
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9535	0.0465	0.9535	0.4756	0.5775
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8526	0.3532
Choi_MACCS	0.7500	0.2500	0.7500	0.0000	0.4011
ci100410h_MACCS	0.7812	0.2188	0.7812	0.3253	0.7762
ci200186.atompair_fp	0.9455	0.0545	0.9455	0.8809	0.2806
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8182	0.1818	0.8182	0.6071	0.6470
ci900367j_MACCS	0.6842	0.3158	0.6842	0.3218	0.8520
cirrhosis	0.8333	0.1111	0.8333	0.6581	0.2775
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8611	0.0694	0.8611	0.7858	0.3268
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.9000	0.1000	0.9000	0.2424	0.5963
cmc	0.5170	0.3220	0.5170	0.2466	0.7219
cnae-9	0.9167	0.0185	0.9167	0.9062	0.0899
codon_usage	0.9509	0.0089	0.9509	0.9403	0.0917
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.2162	0.8800
colposcopies-2	0.7241	0.2759	0.7241	0.3446	0.6808
colposcopies-3	0.5862	0.4138	0.5862	0.1256	0.9452
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.8621	0.1379	0.8621	0.6234	0.6038
column-2c	0.9032	0.0968	0.9032	0.7842	0.4537
column-3c	0.7742	0.1505	0.7742	0.6303	0.2970
connect-4	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne	0.7788	0.2212	0.7788	0.5577	0.7026

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7871	0.2129	0.7871	0.5615	0.6883
covtypeCD	0.9935	0.0065	0.9935	0.9727	0.0959
covtypeT	0.9906	0.0094	0.9906	0.9271	0.1641
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.4474	0.7097
crowdsourced	0.9622	0.0126	0.9622	0.9224	0.1445
cryotherapy	0.5556	0.4444	0.5556	0.1818	0.5283
cultivars	0.5312	0.0234	0.5312	0.5171	0.0723
cyclopentane	0.7037	0.2963	0.7037	0.3898	0.8104
cylinder-bands	0.8333	0.1667	0.8333	0.6611	0.6017
darwin	1.0000	0.0000	1.0000	1.0000	0.0000
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8220	0.1780	0.8220	0.3963	0.6708
deposit	0.9031	0.0969	0.9031	0.4884	0.6046
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5000	0.2103
dexter	0.9833	0.0167	0.9833	0.9667	0.0972
dhfr_cdk_ECFP2	0.7763	0.2237	0.7763	0.5292	0.7169
diabetes	0.9808	0.0192	0.9808	0.9598	0.1307
diabetic10%	0.5688	0.2875	0.5688	0.1868	0.6363
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.5833	0.4167	0.5833	0.0625	0.8922
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7833	0.1445	0.7833	0.6370	0.4454
drug-01	0.2979	0.2006	0.2979	-0.0084	0.6982
drug-02	0.4894	0.1459	0.4894	0.1685	0.6513
drug-03	0.6489	0.1003	0.6489	0.1066	0.4913
drug-04	0.4840	0.1474	0.4840	0.1151	0.7179
drug-05	0.7128	0.0821	0.7128	-0.0182	0.3393
drug-06	0.3032	0.1991	0.3032	0.1339	0.7035
drug-07	0.3723	0.1793	0.3723	-0.0063	0.5313
drug-08	0.5213	0.1368	0.5213	0.1891	0.6733
drug-09	0.8511	0.0426	0.8511	0.0385	0.4174
drug-10	0.4787	0.1489	0.4787	0.1230	0.6353
drug-11	0.8138	0.0532	0.8138	0.0517	0.5101
drug-12	0.7660	0.0669	0.7660	0.0521	0.5538
drug-13	0.5957	0.1155	0.5957	0.2634	0.4785
drug-14	0.5851	0.1185	0.5851	0.3172	0.6265
drug-15	0.7500	0.0714	0.7500	0.2055	0.5916
drug-16	0.5266	0.1353	0.5266	0.2363	0.5883
drug-17	0.3511	0.1854	0.3511	0.1521	0.7424
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7606	0.0684	0.7606	0.1594	0.4263
drybean	0.9309	0.0197	0.9309	0.9165	0.1130
ecoli	0.8235	0.0441	0.8235	0.7521	0.1278
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9394	0.0606	0.9394	0.8197	0.1808
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5959	0.0505	0.5959	0.5510	0.4641
eeg-eye	0.9473	0.0527	0.9473	0.8930	0.2668
EPA_FHM	0.9508	0.0492	0.9508	0.3838	0.1355
er_lit_cdk_ECFP2	0.6923	0.3077	0.6923	0.3158	0.8309
er_tox_cdk_ECFP2	0.8667	0.1333	0.8667	0.7070	0.5428
er_tox_rdkit_ATOMPAIR	0.9180	0.0820	0.9180	0.2432	0.6255

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9672	0.0328	0.9672	0.8561	0.3135
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9677	0.0323	0.9677	0.9349	0.1932
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.8525	0.1475	0.8525	0.6617	0.5886
er_tox_rdkit_TORSION	0.9677	0.0323	0.9677	0.6497	0.4892
eucalyptus	0.6712	0.1315	0.6712	0.5756	0.3642
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8943	0.0124	0.8943	0.8801	0.0696
fda.atompair_fp	0.6364	0.3636	0.6364	-0.0233	0.9278
fertility	0.7000	0.3000	0.7000	-0.1538	0.6304
flags	0.7000	0.0750	0.7000	0.6166	0.1691
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4216	0.0072	0.4280	0.3748	0.2682
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9950	0.0017	0.9950	0.9939	0.0122
gastrointestinal	0.8125	0.1250	0.8125	0.7019	0.3546
gender	0.5642	0.2905	0.5642	0.1016	0.5797
gene	0.9653	0.0231	0.9653	0.9444	0.1163
german	0.7300	0.2700	0.7300	0.3216	0.7041
gina	0.9654	0.0346	0.9654	0.9308	0.2020
glass	0.7619	0.0794	0.7619	0.6635	0.2371
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.8095	0.1905	0.8095	0.5714	0.6730
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8571	0.1429	0.8571	0.7061	0.5505
green	0.8000	0.2000	0.8000	0.5238	0.7028
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.3477
haberman	0.7000	0.3000	0.7000	0.2012	0.8607
hapt	0.9863	0.0023	0.9863	0.9838	0.0160
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.7059	0.2941	0.7059	0.4056	0.8063
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.7333	0.2667	0.7333	0.4595	0.7662
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.8000	0.2000	0.8000	0.5652	0.6570
higher	0.4286	0.1429	0.4286	0.3293	0.2430
hinselmann	0.5000	0.5000	0.5000	-0.3158	0.8298
hiv1-proteasa	0.9207	0.0793	0.9207	0.6995	0.4527
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.7500	0.1667	0.7500	0.5580	0.4462
htru2	0.9793	0.0207	0.9793	0.8705	0.2253
hypothyroid	0.9973	0.0013	0.9973	0.9840	0.0048
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.6441	0.3559	0.6441	0.1169	0.9037
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionosphere	0.9429	0.0571	0.9429	0.8674	0.3191
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	0.9800	0.0200	0.9800	0.9592	0.1023
isolet	0.9243	0.0058	0.9243	0.9212	0.0677
jm1	0.8145	0.1855	0.8145	0.2728	0.7139
jvowels	0.9940	0.0013	0.9940	0.9932	0.0112
kc1	0.8578	0.1422	0.8578	0.3675	0.6666
kc1-class-level-defectiveornot	0.7333	0.2667	0.7333	0.4444	0.7830
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.3058	0.0506
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.1693	0.0923	0.1693	0.0644	0.7466
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8855	0.0287	0.8980	0.8602	0.1519
la2s-wc	0.9147	0.0258	0.9283	0.8906	0.1516
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7228	0.0532
led24	0.6500	0.0700	0.6500	0.6067	0.1603
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9675	0.0025	0.9675	0.9662	0.0388
leukemia	0.7143	0.1905	0.7143	0.5882	0.1887
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7620	0.0889
liver	0.7647	0.2353	0.7647	0.4625	0.7536
lrs	0.8491	0.0302	0.8491	0.7895	0.1052
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.7692	0.1598
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	1.0000	0.0000	1.0000	1.0000	0.0000
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.7857	0.1071	0.7857	0.6000	0.2183
lymphoma2	0.7778	0.0494	0.7778	0.6842	0.0783
madelon	0.8308	0.1692	0.8308	0.6615	0.6030
magic04	0.8927	0.1073	0.8927	0.7610	0.4629
mammography	0.8021	0.1979	0.8021	0.6062	0.6403
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.6957	0.3043	0.6957	0.3706	0.8260
meter-A	0.7500	0.2500	0.7500	0.5294	0.5000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0474
mfeat-fou	0.8450	0.0310	0.8450	0.8278	0.1270
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0443
mfeat-mor	0.6750	0.0650	0.6750	0.6389	0.2240
mfeat-pix	0.9800	0.0040	0.9800	0.9778	0.0248
mfeat-zer	0.8100	0.0380	0.8100	0.7889	0.1096
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.7353	0.1059	0.7353	0.6678	0.3139
mobile	0.9371	0.0022	0.9371	0.9359	0.0296

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	0.9836	0.0164	0.9836	0.9641	0.1262
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9879	0.0121	0.9879	0.9521	0.0508
mutagen_class_1	0.4853	0.5147	0.4853	-0.0294	0.9972
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	0.9356
mutagen_class_3	0.4058	0.5942	0.4058	-0.1882	1.0000
mutagens_ExtendedFingerprinter	0.7353	0.2647	0.7353	0.4706	0.7723
MUT_ci034254q_MACCS	0.6885	0.3115	0.6885	0.3677	0.8341
MUT_ci300400a	0.8697	0.1303	0.8697	0.7335	0.5186
MUT_ci300400a_cdk_ECFP2	0.8429	0.1571	0.8429	0.6748	0.5799
myocardial	0.9000	0.0250	0.9000	0.5240	0.0872
naticusdroid	0.9731	0.0269	0.9731	0.9461	0.1671
nci9	0.5000	0.1111	0.5000	0.4194	0.0863
newspop	0.6678	0.3322	0.6678	0.3294	0.8598
new-thyroid	0.9524	0.0317	0.9524	0.8871	0.0685
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9733	0.0267	0.9733	0.9341	0.1785
NPHA-doctor-visits	0.4722	0.3519	0.4722	0.0763	0.7935
nursery	0.7731	0.0907	0.7731	0.6665	0.4432
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9937	0.0063	0.9937	0.9823	0.0756
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0115
oh0-wc	0.9109	0.0178	0.9109	0.8982	0.0966
oh10-wc	0.8000	0.0400	0.8000	0.7727	0.1842
oh15-wc	0.8913	0.0217	0.8913	0.8764	0.1113
oh5-wc	0.8242	0.0352	0.8242	0.8011	0.1546
optdigits	0.9715	0.0057	0.9715	0.9683	0.0417
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9000	0.0050	0.9000	0.8974	0.0181
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr	0.9209	0.0791	0.9209	0.1984	0.5790
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9799	0.0080	0.9799	0.8837	0.1471
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9833	0.0167	0.9833	0.9655	0.1178
parkinsons	1.0000	0.0000	1.0000	1.0000	0.0000
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac	0.4691	0.5309	0.4691	-0.1090	1.0000
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1537
pendigits	0.9954	0.0009	0.9954	0.9949	0.0085
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.3077	0.8309
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6427	0.6074
P-Glycoprotein_b_Substrate	0.6600	0.3400	0.6600	0.3200	0.8520
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8889	0.1111	0.8889	0.7778	0.4582
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7000	0.3000	0.7000	0.3750	0.8278
phishing	0.9796	0.0204	0.9796	0.9569	0.1229
phoneme	0.9222	0.0778	0.9222	0.8062	0.3981
phy	0.7324	0.2676	0.7324	0.4648	0.7765
pima	0.7632	0.2368	0.7632	0.4865	0.7232

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.5556	0.4444	0.5556	-0.1077	0.9442
polish-1st	0.9844	0.0156	0.9844	0.7367	0.0561
polish-2nd	0.9735	0.0265	0.9735	0.5305	0.2958
polish-3rd	0.9667	0.0333	0.9667	0.5057	0.3218
polish-4th	0.9714	0.0286	0.9714	0.6743	0.3593
polish-5th	0.9729	0.0271	0.9729	0.7575	0.2260
polya	0.8065	0.1935	0.8065	0.5683	0.6654
popularity	0.6716	0.2189	0.6716	0.2496	0.4837
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.9985	0.0006	0.9985	0.9981	0.0050
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8319
primary-tumor	0.3333	0.0606	0.3333	0.2637	0.2624
profb	0.7463	0.2537	0.7463	0.4180	0.7815
promoters	0.8000	0.2000	0.8000	0.5833	0.6737
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4633
re0-wc	0.8733	0.0195	0.8733	0.8359	0.1589
re1-wc	0.8434	0.0125	0.8434	0.8214	0.1272
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.7184	0.2816	0.7184	0.4183	0.8021
satimage	0.9238	0.0254	0.9238	0.9061	0.1324
satimageF	0.9907	0.0093	0.9907	0.9525	0.1611
satimageT	0.9580	0.0420	0.9580	0.7538	0.3718
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5000	0.5000	0.5000	0.0000	0.9994
secom	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom	0.9998	0.0002	0.9998	0.9997	0.0019
segment	0.9697	0.0087	0.9697	0.9646	0.0398
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9380	0.0620	0.9380	0.3067	0.5135
semeion	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram	0.8579	0.1421	0.8579	0.0339	0.6032
sens-2-gram	0.8789	0.1211	0.8789	0.1982	0.4633
sens-3-gram	0.8816	0.1184	0.8816	0.2447	0.4930
sens-4-gram	0.8842	0.1158	0.8842	0.2705	0.4868
sensorless	0.9991	0.0002	0.9991	0.9991	0.0020
shoppers	0.8986	0.1014	0.8986	0.5775	0.5598
shuttle	0.1931	0.2305	0.1931	0.0496	0.1700
sick	0.9894	0.0106	0.9894	0.9074	0.0422
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.5789	0.4211	0.5789	0.1648	0.9308
solar-flare	0.8058	0.0647	0.8058	0.7522	0.1973
sonar	0.7000	0.3000	0.7000	0.4000	0.7994
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9543	0.0457	0.9543	0.9043	0.2517
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5660	0.0181	0.5660	0.5412	0.1115
splice-EI	0.9748	0.0252	0.9748	0.9342	0.2081
splice-IE	0.9653	0.0347	0.9653	0.9052	0.2611
sport-articles	0.8300	0.1700	0.8300	0.6291	0.6155
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.2857	0.2642
steel-b	0.8872	0.1128	0.8872	0.6477	0.5505

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.9127	0.0582	0.9127	0.8580	0.2103
steel-k	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o	0.8308	0.1692	0.8308	0.6210	0.6213
steel-p	0.9231	0.0769	0.9231	0.4417	0.6031
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.3846	0.4103	0.3846	0.0545	0.6686
student-weekend	0.3538	0.2585	0.3538	0.1264	0.7212
student-workday	0.6719	0.1313	0.6719	0.1385	0.3672
swarm_aligned	0.9851	0.0000	1.0000	0.9635	0.0000
swarm_flocking	0.9962	0.0000	0.9910	0.9838	0.0000
swarm_grouped	0.9628	0.0000	0.9860	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9873	0.0023	0.9873	0.9860	0.0203
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8511	0.1489	0.8511	0.2863	0.6913
Thyroid_Diff	0.9474	0.0526	0.9474	0.8721	0.3093
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.9237	0.0763	0.9237	0.7884	0.3933
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.8750	0.0417	0.8750	0.8182	0.0398
tox_171	0.7647	0.1176	0.7647	0.6909	0.1082
toxicity	0.6471	0.3529	0.6471	0.1639	0.8952
toxicity-13f	0.5882	0.4118	0.5882	-0.0171	0.9466
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6133	0.3867	0.6133	-0.1712	0.9311
trec11-wc	0.9268	0.0163	0.9268	0.9109	0.0797
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9394	0.0202	0.9394	0.8738	0.1141
trec23-wc	0.9524	0.0159	0.9524	0.9318	0.0320
trec31-wc	0.9892	0.0031	0.9892	0.9856	0.0109
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9710	0.0058	0.9710	0.9661	0.0188
tuandromd	0.9865	0.0135	0.9865	0.9579	0.1147
turkish	0.7750	0.1125	0.7750	0.7000	0.2819
urban	0.8657	0.0299	0.8657	0.8434	0.1377
vehicle	0.7619	0.1190	0.7619	0.6798	0.1852
vehicleVAN	1.0000	0.0000	1.0000	1.0000	0.0000
voice	1.0000	0.0000	1.0000	1.0000	0.0000
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6162	0.0698	0.6162	0.5778	0.2088
vowelZ	0.9899	0.0101	0.9899	0.9357	0.0414
wap-wc	0.8654	0.0135	0.8654	0.8496	0.1013
warpar10p	0.6923	0.0615	0.6923	0.6533	0.0927
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8460	0.1027	0.8460	0.7690	0.3580
web-phishing	0.8593	0.0938	0.8593	0.7536	0.4083
weight-lift	0.9987	0.0005	0.9987	0.9984	0.0047
white-clover	0.3333	0.3333	0.3333	-0.5000	0.3869
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9896	0.0104	0.9896	0.8882	0.2208
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.7107	0.0964	0.7107	0.5319	0.3769
winequality-white	0.6687	0.0947	0.6687	0.4938	0.4020
yale	0.6875	0.0417	0.6875	0.6653	0.0824
yeast	0.5676	0.0865	0.5676	0.4397	0.3876

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9592	0.0408	0.9592	0.0000	0.1164
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9527	0.0473	0.9527	0.2055	0.4689
zip	0.9559	0.0088	0.9559	0.9506	0.0717
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 228: Detailed results for DiscreteAdaBoost(ova) (500)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1343	0.0597	0.1343	0.0595	0.4828
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9315	0.0685	0.9315	0.2505	0.6358
accelerometer	0.9834	0.0166	0.9834	0.1810	0.2106
ads	0.9787	0.0213	0.9787	0.9090	0.1832
adult	0.8661	0.1339	0.8661	0.5901	0.5488
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red	0.9126	0.0874	0.9126	-0.0404	0.6817
AID_1878	0.8000	0.2000	0.8000	0.1288	0.7579
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9960	0.0040	0.9960	-0.0015	0.5141
AID600_MACCS	0.7297	0.2703	0.7297	0.4510	0.7759
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9998	0.0002	0.9998	0.9696	0.0014
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6000	0.4000	0.6000	0.0476	0.9294
AID644red	0.6000	0.4000	0.6000	0.0476	0.9294
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.7778	0.2222	0.7778	0.0000	0.3750
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9941	0.0059	0.9941	0.1451	0.2361
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9889	0.0056	0.9889	0.9787	0.0273
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9903	0.0024	0.9903	0.9840	0.0704
anuran-species	0.9903	0.0019	0.9903	0.9865	0.0137
aps-failure	0.9912	0.0088	0.9912	0.7031	0.2405
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7778	0.0342	0.7778	0.6388	0.2354
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8510	0.0208
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9000	0.0333	0.9000	0.8667	0.0778
avila	0.8754	0.0208	0.8754	0.8342	0.0859
balance	0.7581	0.1613	0.7581	0.5946	0.4120
bank	0.9133	0.0867	0.9133	0.5508	0.5849
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8548	0.1452	0.8548	0.6629	0.4569
basehock	0.9749	0.0251	0.9749	0.9498	0.1511
biodeg	0.9048	0.0952	0.9048	0.7981	0.4308
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5946	0.1430
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7776	0.3950
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.9130	0.0870	0.9130	0.8216	0.3987
cardiotocography	0.8685	0.0263	0.8685	0.8418	0.1502
cardiotocography-nsp	0.9390	0.0407	0.9390	0.8267	0.2400
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7720	0.2602
cas_N6512_cdk_ECFP2	0.6359	0.3641	0.6359	0.2384	0.8005
census10%	0.9525	0.0475	0.9525	0.4205	0.3988
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9535	0.0465	0.9535	0.6417	0.5099
cervical-C	0.9186	0.0814	0.9186	-0.0344	0.6692
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.8909	0.1091	0.8909	0.7591	0.4552
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7618	0.4789
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.7263	0.2737	0.7263	0.4122	0.7978
cirrhosis	0.7381	0.1746	0.7381	0.4526	0.3795
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8269	0.0866	0.8269	0.7298	0.3579
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cll_sub_111	0.6667	0.2222	0.6667	0.4545	0.3878
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5374	0.3084	0.5374	0.2699	0.6938
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0618
codon_usage	0.8910	0.0198	0.8910	0.8671	0.1507
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.5862	0.4138	0.5862	0.0543	0.9466
colposcopies-3	0.6897	0.3103	0.6897	0.3359	0.8266
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4423	0.7404
colposcopies-c	0.7931	0.2069	0.7931	0.4351	0.7404
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9999	0.0001	0.9999	0.9966	0.0005
cottonmeloidogyne	0.6995	0.3005	0.6995	0.4009	0.7525

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7571	0.2429	0.7571	0.4996	0.7401
covtypeCD	0.9836	0.0164	0.9836	0.9291	0.1548
covtypeT	0.9823	0.0177	0.9823	0.8583	0.2412
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.2610	0.6063
crowdsourced	0.9088	0.0304	0.9088	0.8071	0.1875
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5938	0.0203	0.5938	0.5815	0.0568
cyclopentane	0.7407	0.2593	0.7407	0.4793	0.7616
cylinder-bands	0.7222	0.2778	0.7222	0.4088	0.7593
darwin	0.9444	0.0556	0.9444	0.8889	0.2236
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8247	0.1753	0.8247	0.3779	0.6289
deposit	0.9020	0.0980	0.9020	0.4547	0.5964
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9667	0.0333	0.9667	0.9333	0.1598
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5435	0.6720
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5422	0.3052	0.5422	0.0133	0.3853
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.8000	0.2000	0.8000	0.6154	0.4644
dlbcl-harvard-tumor	0.8750	0.1250	0.8750	0.7143	0.4644
dlbcl-nih	0.4167	0.5833	0.4167	-0.2353	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dropout	0.7472	0.1685	0.7472	0.5653	0.4666
drug-01	0.3883	0.1748	0.3883	0.1131	0.7075
drug-02	0.5160	0.1383	0.5160	0.2043	0.6203
drug-03	0.6649	0.0957	0.6649	0.0557	0.4619
drug-04	0.4681	0.1520	0.4681	0.1290	0.7931
drug-05	0.7128	0.0821	0.7128	-0.0053	0.3637
drug-06	0.4149	0.1672	0.4149	0.2704	0.5899
drug-07	0.3777	0.1778	0.3777	0.0036	0.5425
drug-08	0.5585	0.1261	0.5585	0.1920	0.5618
drug-09	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10	0.5266	0.1353	0.5266	0.1448	0.5908
drug-11	0.8457	0.0441	0.8457	0.0954	0.3215
drug-12	0.7819	0.0623	0.7819	-0.0138	0.2921
drug-13	0.6170	0.1094	0.6170	0.2978	0.5085
drug-14	0.5532	0.1277	0.5532	0.2368	0.6549
drug-15	0.7394	0.0745	0.7394	0.1158	0.4140
drug-16	0.5745	0.1216	0.5745	0.2995	0.5141
drug-17	0.3245	0.1930	0.3245	0.1331	0.8019
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7500	0.0714	0.7500	0.0693	0.4257
drybean	0.9346	0.0187	0.9346	0.9209	0.1091
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.9091	0.0909	0.9091	0.5217	0.6161
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.2294	0.0963	0.2294	0.1903	0.5852
eeg-eye	0.6028	0.3972	0.6028	0.1293	0.5996
EPA_FHM	0.9672	0.0328	0.9672	0.6514	0.1010
er_lit_cdk_ECFP2	0.7692	0.2308	0.7692	0.5185	0.7271
er_tox_cdk_ECFP2	0.8167	0.1833	0.8167	0.5736	0.6192
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6369	0.6155
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7636	0.4676
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6301	0.1479	0.6301	0.5265	0.3857
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.8618	0.0163	0.8618	0.8425	0.0835
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7000	0.0750	0.7000	0.6141	0.1692
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4166	0.0074	0.4334	0.3682	0.2711
forest	0.8846	0.0577	0.8846	0.8402	0.1464
gas	0.9957	0.0014	0.9957	0.9948	0.0109
gastrointestinal	0.8750	0.0833	0.8750	0.8049	0.1750
gender	0.5916	0.2723	0.5916	0.0116	0.3366
gene	0.9464	0.0358	0.9464	0.9143	0.1590
german	0.7200	0.2800	0.7200	0.2911	0.7145
gina	0.8674	0.1326	0.8674	0.7346	0.5182
glass	0.8095	0.0635	0.8095	0.7407	0.2171
glassBWFP	0.9048	0.0952	0.9048	0.7879	0.2720
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7295	0.5195
green	0.7000	0.3000	0.7000	0.2105	0.8520
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3558	0.4366
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9762	0.0040	0.9762	0.9719	0.0256
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7000	0.3000	0.7000	0.2857	0.8453
higher	0.5000	0.1250	0.5000	0.4024	0.2072
hinselmann	0.7000	0.3000	0.7000	0.2105	0.7892
hiv1-proteasa	0.9191	0.0809	0.9191	0.6810	0.4248
hiva	0.9598	0.0402	0.9598	0.0917	0.5201
horse	0.6111	0.2593	0.6111	0.3048	0.6043
htru2	0.9793	0.0207	0.9793	0.8697	0.2166
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7458	0.2542	0.7458	0.2643	0.7483
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	0.9714	0.0286	0.9714	0.9353	0.1967
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9320	0.0052	0.9320	0.9292	0.0600
jm1	0.8154	0.1846	0.8154	0.1094	0.4829
lvowels	0.9749	0.0056	0.9749	0.9716	0.0362
kc1	0.8768	0.1232	0.8768	0.3800	0.5034
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.5714	0.0357	0.5714	0.2566	0.1442
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7692	0.2308	0.7692	0.2589	0.7987
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.9301	0.0078	0.9301	0.9220	0.1075
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.8843	0.0288	0.8968	0.8946	0.1565
la2s-wc	0.8916	0.0254	0.9125	0.8768	0.1545
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6765	0.0162	0.6765	0.6615	0.0565
led24	0.6000	0.0800	0.6000	0.5493	0.1906
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9635	0.0028	0.9635	0.9620	0.0421
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8511	0.0418
liver	0.5294	0.4706	0.5294	-0.0264	0.9526
lrs	0.8491	0.0302	0.8491	0.7907	0.1068
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	1.0000	0.0000	1.0000	1.0000	0.0000
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.8889	0.0247	0.8889	0.8421	0.0489
madelon	0.5192	0.4808	0.5192	0.0385	0.9856
magic04	0.8001	0.1999	0.8001	0.5104	0.5480
mammography	0.8021	0.1979	0.8021	0.6062	0.6403
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8416	0.1056	0.8416	0.7592	0.3528
messidor	0.6870	0.3130	0.6870	0.3858	0.7916
meter-A	1.0000	0.0000	1.0000	1.0000	0.0000
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	1.0000	0.0000	1.0000	1.0000	0.0000
meter-D	0.8889	0.0556	0.8889	0.8448	0.1220
mfeat-fac	0.9900	0.0020	0.9900	0.9889	0.0125
mfeat-fou	0.8400	0.0320	0.8400	0.8222	0.1275
mfeat-kar	0.9650	0.0070	0.9650	0.9611	0.0443
mfeat-mor	0.6950	0.0610	0.6950	0.6611	0.2005
mfeat-pix	0.9850	0.0030	0.9850	0.9833	0.0189
mfeat-zer	0.7850	0.0430	0.7850	0.7611	0.1355
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5294	0.1882	0.5294	0.4093	0.4740
mobile	0.9545	0.0016	0.9545	0.9537	0.0214

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9864	0.0136	0.9864	0.9459	0.0557
mutagen_class_1	0.5441	0.4559	0.5441	0.0882	0.9709
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4348	0.5652	0.4348	-0.1311	1.0000
mutagens_ExtendedFingerprinter	0.8235	0.1765	0.8235	0.6471	0.6181
MUT_ci034254q-MACCS	0.7541	0.2459	0.7541	0.4981	0.7268
MUT_ci300400a	0.6967	0.3033	0.6967	0.4056	0.7747
MUT_ci300400a_cdk_ECFP2	0.6571	0.3429	0.6571	0.2140	0.6606
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9703	0.0297	0.9703	0.9407	0.1799
nci9	0.8333	0.0370	0.8333	0.8065	0.0000
newspop	0.5325	0.4675	0.5325	0.0006	0.5225
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9602	0.0398	0.9602	0.9018	0.2446
NPHA-doctor-visits	0.4444	0.3704	0.4444	0.0191	0.8051
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9942	0.0058	0.9942	0.9836	0.0700
Occupancy_Estimation	0.9951	0.0025	0.9951	0.9849	0.0117
oh0-wc	0.9406	0.0119	0.9406	0.9320	0.0614
oh10-wc	0.7810	0.0438	0.7810	0.7489	0.1986
oh15-wc	0.8478	0.0304	0.8478	0.8263	0.1365
oh5-wc	0.8681	0.0264	0.8681	0.8509	0.1270
optdigits	0.9769	0.0046	0.9769	0.9743	0.0312
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.9500	0.0025	0.9500	0.9487	0.0084
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9249	0.0751	0.9249	0.1518	0.4763
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9872	0.0051	0.9872	0.9273	0.1045
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.4742	0.5258	0.4742	-0.1161	1.0000
pd	0.9474	0.0526	0.9474	0.8596	0.3259
pediatric-leukemia	0.8529	0.0420	0.8529	0.8195	0.1311
pendigits	0.9964	0.0007	0.9964	0.9960	0.0071
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.5556	0.4444	0.5556	0.0000	0.9591
P-Glycoprotein_b_Inhibitor	0.8196	0.1804	0.8196	0.5844	0.6407
P-Glycoprotein_b_Substrate	0.6200	0.3800	0.6200	0.2400	0.9056
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8730	0.1270	0.8730	0.7455	0.5050
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9837	0.0163	0.9837	0.9656	0.1063
phoneme	0.8241	0.1759	0.8241	0.5887	0.6514
phy	0.6330	0.3670	0.6330	0.2640	0.7979
pima	0.7105	0.2895	0.7105	0.3489	0.7670

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6111	0.3889	0.6111	-0.0328	0.9365
polish-1st	0.9673	0.0327	0.9673	0.3311	0.3283
polish-2nd	0.9617	0.0383	0.9617	0.0880	0.2352
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9510	0.0490	0.9510	0.3465	0.4986
polish-5th	0.9543	0.0457	0.9543	0.5363	0.3325
polya	0.6595	0.3405	0.6595	0.0769	0.6109
popularity	0.6310	0.2460	0.6310	0.0001	0.3101
post-operative	0.6667	0.2222	0.6667	0.0000	0.2322
postures	0.9626	0.0150	0.9626	0.9532	0.0781
pred-tox_mutagen_ref-desc	0.6912	0.3088	0.6912	0.3824	0.8284
primary-tumor	0.3333	0.0606	0.3333	0.2629	0.2422
profb	0.7463	0.2537	0.7463	0.4180	0.7815
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8556	0.1444	0.8556	0.7111	0.5413
re0-wc	0.8667	0.0205	0.8667	0.8256	0.1416
re1-wc	0.8494	0.0120	0.8494	0.8272	0.1013
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0023	0.6035
satimage	0.8927	0.0358	0.8927	0.8675	0.1629
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9331	0.0669	0.9331	0.5704	0.4753
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.8889	0.1111	0.8889	0.6087	0.2605
schizo	0.4118	0.5882	0.4118	-0.1765	1.0000
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6823	0.3177	0.6823	0.3982	0.5461
segment	0.9784	0.0062	0.9784	0.9747	0.0263
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8684	0.1316	0.8684	0.0286	0.3763
sens-2-gram	0.8553	0.1447	0.8553	0.1204	0.6805
sens-3-gram	0.8395	0.1605	0.8395	0.0683	0.7416
sens-4-gram	0.8553	0.1447	0.8553	0.1406	0.6882
sensorless	0.9995	0.0001	0.9995	0.9994	0.0012
shoppers	0.8978	0.1022	0.8978	0.5848	0.5714
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6842	0.3158	0.6842	0.3596	0.8222
solar-flare	0.7338	0.0887	0.7338	0.6608	0.2522
sonar	0.7000	0.3000	0.7000	0.4000	0.7215
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9348	0.0652	0.9348	0.8631	0.3261
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.6038	0.0165	0.6038	0.5803	0.1089
splice-EI	0.9779	0.0221	0.9779	0.9427	0.1928
splice-IE	0.9527	0.0473	0.9527	0.8731	0.3266
sport-articles	0.8100	0.1900	0.8100	0.5992	0.6575
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8462	0.1538	0.8462	0.4704	0.6277

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8975	0.0683	0.8975	0.8336	0.2341
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7385	0.2615	0.7385	0.3560	0.7255
steel-p	0.9385	0.0615	0.9385	0.4711	0.4407
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.5385	0.3077	0.5385	0.2642	0.5113
student-weekend	0.3692	0.2523	0.3692	0.1210	0.6573
student-workday	0.7344	0.1062	0.7344	0.2842	0.3162
swarm_aligned	0.9871	0.0000	0.9691	1.0000	0.0000
swarm_flocking	1.0000	0.0000	0.9869	0.9834	0.0000
swarm_grouped	0.9663	0.0000	1.0000	0.9817	0.0000
tae	0.4667	0.3556	0.4667	0.2000	0.6879
Tdp_desc	0.8611	0.1389	0.8611	0.6154	0.6155
texture	0.9891	0.0020	0.9891	0.9880	0.0168
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	0.1215	0.7363
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	1.0000	0.0000	1.0000	1.0000	0.0000
tis	0.8826	0.1174	0.8826	0.6683	0.5248
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8235	0.1765	0.8235	0.5984	0.6209
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.1383	0.9275
trec11-wc	0.9024	0.0217	0.9024	0.8809	0.0926
trec12-wc	0.9355	0.0161	0.9355	0.9223	0.0292
trec21-wc	0.9697	0.0101	0.9697	0.9349	0.0291
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9892	0.0031	0.9892	0.9858	0.0000
trec41-wc	0.9886	0.0023	0.9886	0.9862	0.0207
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8750	0.0625	0.8750	0.8333	0.1887
urban	0.8657	0.0299	0.8657	0.8430	0.1346
vehicle	0.7619	0.1190	0.7619	0.6795	0.2219
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.7071	0.0533	0.7071	0.6778	0.1481
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
wap-wc	0.8269	0.0173	0.8269	0.8056	0.1105
warpar10p	0.8462	0.0308	0.8462	0.8255	0.0600
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.7860	0.1427	0.7860	0.6790	0.4507
web-phishing	0.8815	0.0790	0.8815	0.7901	0.3322
weight-lift	0.9992	0.0003	0.9992	0.9990	0.0026
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.3959	0.3816
winequality-white	0.4703	0.1513	0.4703	0.2457	0.5393
yale	0.7500	0.0333	0.7500	0.7322	0.0613
yeast	0.5608	0.0878	0.5608	0.4366	0.3635

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.9613	0.0077	0.9613	0.9566	0.0643
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 229: Detailed results for MultiBoost (500)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1847	0.0562	0.1847	0.0921	0.3605
abalone19	0.9928	0.0072	0.9928	0.0000	0.0292
abalone9-18	0.9452	0.0548	0.9452	0.3081	0.5496
accelerometer	0.9831	0.0169	0.9831	0.1265	0.1538
ads	0.9756	0.0244	0.9756	0.8950	0.1934
adult	0.8643	0.1357	0.8643	0.5823	0.5505
AID1284Morered	0.8056	0.1944	0.8056	0.1127	0.7808
AID1284red	0.8333	0.1667	0.8333	0.1628	0.7500
AID_1431	0.8968	0.1032	0.8968	-0.0276	0.6199
AID1608Morered	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red	0.9223	0.0777	0.9223	-0.0300	0.6529
AID_1878	0.8000	0.2000	0.8000	0.0256	0.7084
AID362red	0.9883	0.0117	0.9883	0.2828	0.0436
AID373AID439red	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red	0.9990	0.0010	0.9990	0.2496	0.3797
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	1.0000	0.0000	1.0000	1.0000	0.0000
AID456red	0.9950	0.0050	0.9950	-0.0024	0.5429
AID600_MACCS	0.7027	0.2973	0.7027	0.4023	0.8021
AID_602330	0.9479	0.0521	0.9479	-0.0169	0.5830
AID604	0.9973	0.0027	0.9973	0.3801	0.0130
AID604AID644_AllRed	0.9990	0.0010	0.9990	0.0000	0.0055
AID644Morered	0.6500	0.3500	0.6500	0.1250	0.9054
AID644red	0.6500	0.3500	0.6500	0.2045	0.8754
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red	0.9908	0.0092	0.9908	0.0000	0.0358
AID721morered	0.5556	0.4444	0.5556	-0.2857	0.9011
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red	0.9943	0.0057	0.9943	0.1047	0.0241
AID_773	0.8148	0.1852	0.8148	-0.0976	0.7755
AID852_MACCS	0.8923	0.1077	0.8923	0.6738	0.4900
all-aml	1.0000	0.0000	1.0000	1.0000	0.0000
anneal	1.0000	0.0000	1.0000	1.0000	0.0000
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9875	0.0063	0.9875	0.9761	0.0300
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9833	0.0042	0.9833	0.9726	0.0582
anuran-species	0.9889	0.0022	0.9889	0.9845	0.0137
aps-failure	0.9909	0.0091	0.9909	0.6777	0.1763
arcene	0.8000	0.2000	0.8000	0.6000	0.6335
arrhythmia	0.7333	0.0410	0.7333	0.5462	0.1975
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8506	0.0219
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.9500	0.0167	0.9500	0.9340	0.0386
avila	0.6272	0.0621	0.6272	0.4581	0.2404
balance	0.7258	0.1828	0.7258	0.5500	0.4301
bank	0.9153	0.0847	0.9153	0.5384	0.5677
banknote	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.8525	0.1475	0.8525	0.6580	0.4708
basehock	0.9799	0.0201	0.9799	0.9598	0.1294
biodeg	0.8952	0.1048	0.8952	0.7768	0.4558
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.6786	0.3214	0.6786	0.2410	0.8562
breast-cancer-co	0.8182	0.1818	0.8182	0.6207	0.4011
breast-cancer-ma	0.6364	0.3636	0.6364	0.2667	0.8952
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.8000	0.0571	0.8000	0.7297	0.1136
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.7500	0.2500	0.7500	0.4667	0.7630
cancer	1.0000	0.0000	1.0000	1.0000	0.0000
car	0.9943	0.0029	0.9943	0.9876	0.0082
card	0.8841	0.1159	0.8841	0.7598	0.4723
cardiotocography	0.8545	0.0291	0.8545	0.8245	0.1446
cardiotocography-nsp	0.9296	0.0469	0.9296	0.8053	0.2994
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.8750	0.0833	0.8750	0.7765	0.2685
cas_N6512_cdk_ECFP2	0.6206	0.3794	0.6206	0.2003	0.7714
census10%	0.9509	0.0491	0.9509	0.3979	0.4191
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9767	0.0233	0.9767	0.8208	0.3445
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9767	0.0233	0.9767	0.7378	0.4199
cervical-S	0.9535	0.0465	0.9535	0.6895	0.3805
chemo_fontaine	0.9302	0.0698	0.9302	0.8488	0.3337
Choi_MACCS	0.7500	0.2500	0.7500	0.3333	0.7987
ci100410h_MACCS	0.7812	0.2188	0.7812	0.2432	0.7685
ci200186.atompair_fp	0.9273	0.0727	0.9273	0.8429	0.3626
ci200186m_DESC_PADEL	0.8889	0.1111	0.8889	0.7568	0.4595
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7643	0.4750
ci900367j_MACCS	0.7158	0.2842	0.7158	0.3653	0.8006
cirrhosis	0.7381	0.1746	0.7381	0.4628	0.3973
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8231	0.0884	0.8231	0.7258	0.3882
climate	0.9259	0.0741	0.9259	0.2987	0.5805
cll_sub_111	0.5833	0.2778	0.5833	0.3023	0.4186
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5782	0.2812	0.5782	0.3407	0.6849
cnae-9	0.6667	0.0741	0.6667	0.6250	0.1655
codon_usage	0.6078	0.0713	0.6078	0.5146	0.2254
coil20	1.0000	0.0000	1.0000	1.0000	0.0000
collins	1.0000	0.0000	1.0000	1.0000	0.0000
colon-tumor	0.6667	0.3333	0.6667	0.4000	0.5283
colposcopies-1	0.6207	0.3793	0.6207	0.1402	0.9223
colposcopies-2	0.6552	0.3448	0.6552	0.1808	0.8307
colposcopies-3	0.6552	0.3448	0.6552	0.2714	0.8780
colposcopies-4	0.7586	0.2414	0.7586	0.3165	0.7677
colposcopies-5	0.7586	0.2414	0.7586	0.0814	0.8234
colposcopies-6	0.7241	0.2759	0.7241	0.4450	0.7779
colposcopies-c	0.8276	0.1724	0.8276	0.5051	0.6759
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8387	0.1075	0.8387	0.7359	0.2503
connect-4	0.9858	0.0095	0.9858	0.5449	0.0597
cottonmeloidogyne	0.6803	0.3197	0.6803	0.3633	0.7299

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7476	0.2524	0.7476	0.4794	0.7544
covtypeCD	0.9861	0.0139	0.9861	0.9399	0.1330
covtypeT	0.9808	0.0192	0.9808	0.8441	0.2476
cox2_cdk_ECFP2	0.8261	0.1739	0.8261	0.1674	0.3276
crowdsourced	0.8230	0.0590	0.8230	0.5838	0.2628
cryotherapy	0.6667	0.3333	0.6667	0.3721	0.5112
cultivars	0.5625	0.0219	0.5625	0.5493	0.0739
cyclopentane	0.7778	0.2222	0.7778	0.5424	0.6895
cylinder-bands	0.7778	0.2222	0.7778	0.5242	0.6246
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.7692	0.2308	0.7692	-0.1143	0.5867
dbworld	1.0000	0.0000	1.0000	1.0000	0.0000
default	0.8253	0.1747	0.8253	0.3810	0.6278
deposit	0.9011	0.0989	0.9011	0.4037	0.5682
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.6250	0.2500	0.6250	0.4286	0.5000
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.8026	0.1974	0.8026	0.5642	0.6056
diabetes	0.9615	0.0385	0.9615	0.9202	0.2092
diabetic10%	0.5393	0.3071	0.5393	0.0000	0.3426
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.7500	0.2500	0.7500	0.3333	0.7987
dlbcl-nih	0.5000	0.5000	0.5000	-0.0909	1.0000
dlbcl-stanford	1.0000	0.0000	1.0000	1.0000	0.0000
dropout	0.7381	0.1746	0.7381	0.5483	0.4721
drug-01	0.3989	0.1717	0.3989	0.0099	0.3656
drug-02	0.5106	0.1398	0.5106	0.0075	0.3637
drug-03	0.6809	0.0912	0.6809	-0.0049	0.2706
drug-04	0.5266	0.1353	0.5266	0.0149	0.3628
drug-05	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06	0.3989	0.1717	0.3989	0.2235	0.4159
drug-07	0.4255	0.1641	0.4255	-0.0087	0.2681
drug-08	0.5479	0.1292	0.5479	0.0258	0.3766
drug-09	0.8617	0.0395	0.8617	-0.0064	0.2133
drug-10	0.5426	0.1307	0.5426	0.0146	0.3382
drug-11	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13	0.6277	0.1064	0.6277	0.2785	0.3152
drug-14	0.5957	0.1155	0.5957	0.1513	0.3798
drug-15	0.7606	0.0684	0.7606	0.0587	0.2468
drug-16	0.5904	0.1170	0.5904	0.3251	0.3604
drug-17	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19	0.7713	0.0654	0.7713	0.0161	0.1589
drybean	0.9339	0.0189	0.9339	0.9200	0.1101
ecoli	0.8235	0.0441	0.8235	0.7542	0.1256
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.9394	0.0606	0.9394	0.8350	0.3629
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9394	0.0606	0.9394	0.4677	0.5960
eeg	0.1671	0.1041	0.1671	0.0298	0.3884
eeg-eye	0.6008	0.3992	0.6008	0.1245	0.6004
EPA_FHM	0.9836	0.0164	0.9836	0.8486	0.0595
er_lit_cdk_ECFP2	0.8205	0.1795	0.8205	0.6255	0.6346
er_tox_cdk_ECFP2	0.8000	0.2000	0.8000	0.5402	0.6695
er_tox_rdkit_ATOMPAIR	0.9672	0.0328	0.9672	0.6494	0.4899

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9508	0.0492	0.9508	0.7951	0.4272
er_tox_rdkit_descriptors	0.8361	0.1639	0.8361	0.6369	0.6155
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9516	0.0484	0.9516	0.7965	0.1446
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9677	0.0323	0.9677	0.9218	0.1241
er_tox_rdkit_RDKITFP	0.9016	0.0984	0.9016	0.7636	0.4676
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6986	0.1205	0.6986	0.6050	0.2864
euthyroid	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc	0.5650	0.0512	0.5650	0.4894	0.2396
fda.atompair_fp	0.7273	0.2727	0.7273	0.1316	0.7706
fertility	0.9000	0.1000	0.9000	0.0000	0.2236
flags	0.7500	0.0625	0.7500	0.6805	0.1497
fontaine_MACCS	0.9545	0.0455	0.9545	0.9043	0.2404
fonts10%	0.4080	0.0077	0.4080	0.3515	0.2692
forest	0.9038	0.0481	0.9038	0.8669	0.1249
gas	0.8303	0.0566	0.8303	0.7942	0.1535
gastrointestinal	0.8125	0.1250	0.8125	0.6981	0.2631
gender	0.5895	0.2737	0.5895	0.0065	0.3493
gene	0.9432	0.0379	0.9432	0.9094	0.1698
german	0.7000	0.3000	0.7000	0.2288	0.7345
gina	0.8617	0.1383	0.8617	0.7225	0.5074
glass	0.7143	0.0952	0.7143	0.6062	0.3155
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.9048	0.0952	0.9048	0.7692	0.2605
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.9375	0.0625	0.9375	0.8621	0.2092
glassNW	0.9524	0.0476	0.9524	0.8591	0.1529
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	1.0000	0.0000	1.0000	1.0000	0.0000
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8810	0.1190	0.8810	0.7571	0.4898
green	0.6000	0.4000	0.6000	0.0476	0.9294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.4667	0.2667	0.4667	0.2771	0.5108
haberman	0.7333	0.2667	0.7333	0.1892	0.8058
hapt	0.9671	0.0055	0.9671	0.9611	0.0366
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.5294	0.4706	0.5294	0.0286	0.9808
heart	0.8148	0.1852	0.8148	0.6110	0.6376
heart-c	0.9000	0.1000	0.9000	0.7982	0.4212
hepatitis	0.8667	0.1333	0.8667	0.5833	0.6219
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.5714	0.4286	0.5714	-0.2353	0.9755
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higher	0.2857	0.1786	0.2857	0.1566	0.3021
hinselmann	0.8000	0.2000	0.8000	0.3750	0.7500
hiv1-proteasa	0.9191	0.0809	0.9191	0.6810	0.4248
hiva	0.9622	0.0378	0.9622	0.1005	0.4517
horse	0.6111	0.2593	0.6111	0.3019	0.6122
htru2	0.9793	0.0207	0.9793	0.8712	0.2334
hypothyroid	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7458	0.2542	0.7458	0.2643	0.7483
immuno-therapy	0.7778	0.2222	0.7778	0.3571	0.7720
ionosphere	1.0000	0.0000	1.0000	1.0000	0.0000
iris	1.0000	0.0000	1.0000	1.0000	0.0000
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.6470	0.0272	0.6470	0.6329	0.1791
jm1	0.8118	0.1882	0.8118	0.0767	0.4738
lvowels	0.8313	0.0375	0.8313	0.8087	0.1954
kc1	0.8720	0.1280	0.8720	0.3454	0.5134
kc1-class-level-defectiveornot	0.8000	0.2000	0.8000	0.5946	0.6559
kc1-class-level-numericdefect	0.6429	0.0298	0.6429	0.3269	0.1466
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.7500	0.2500	0.7500	0.2248	0.8173
kidney-disease	1.0000	0.0000	1.0000	1.0000	0.0000
krkopt	0.8749	0.0139	0.8749	0.8602	0.1623
krvskp	0.9969	0.0031	0.9969	0.9937	0.0271
la1s-wc	0.5016	0.1661	0.5016	0.3077	0.3232
la2s-wc	0.5000	0.1667	0.5000	0.2991	0.3244
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.7353	0.0132	0.7353	0.7216	0.0535
led24	0.6000	0.0800	0.6000	0.5506	0.1878
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.4345	0.0435	0.4345	0.4126	0.2795
leukemia	1.0000	0.0000	1.0000	1.0000	0.0000
leukemia2	1.0000	0.0000	1.0000	1.0000	0.0000
libra	0.8611	0.0185	0.8611	0.8507	0.0612
liver	0.6765	0.3235	0.6765	0.3100	0.8329
lrs	0.8679	0.0264	0.8679	0.8169	0.1021
lsvt	0.8462	0.1538	0.8462	0.6829	0.4644
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.3333	0.4444	0.3333	0.0000	0.3333
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-michigan	1.0000	0.0000	1.0000	1.0000	0.0000
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.8750	0.0357	0.8750	0.8462	0.0000
lupus	0.7778	0.2222	0.7778	0.5500	0.7072
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	1.0000	0.0000	1.0000	1.0000	0.0000
madelon	0.5231	0.4769	0.5231	0.0462	0.9799
magic04	0.8054	0.1946	0.8054	0.5251	0.5418
mammography	0.7917	0.2083	0.7917	0.5850	0.6661
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7740	0.3393
messidor	0.6783	0.3217	0.6783	0.3701	0.7978
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9400	0.0120	0.9400	0.9333	0.0669
mfeat-fou	0.7850	0.0430	0.7850	0.7611	0.1736
mfeat-kar	0.8500	0.0300	0.8500	0.8333	0.1319
mfeat-mor	0.6900	0.0620	0.6900	0.6556	0.1971
mfeat-pix	0.9750	0.0050	0.9750	0.9722	0.0314
mfeat-zer	0.7000	0.0600	0.7000	0.6667	0.1957
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.5588	0.1765	0.5588	0.4463	0.4278
mobile	0.6084	0.0140	0.6084	0.6013	0.1479

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9636	0.0364	0.9636	0.8487	0.1811
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9908
mutagen_class_2	0.4412	0.5588	0.4412	-0.1176	0.9915
mutagen_class_3	0.4928	0.5072	0.4928	-0.0211	0.9732
mutagens_ExtendedFingerprinter	0.7500	0.2500	0.7500	0.5000	0.7445
MUT_ci034254q_MACCS	0.7541	0.2459	0.7541	0.5008	0.7391
MUT_ci300400a	0.6917	0.3083	0.6917	0.3958	0.7819
MUT_ci300400a_cdk_ECFP2	0.6439	0.3561	0.6439	0.1774	0.6480
myocardial	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid	0.9690	0.0310	0.9690	0.9379	0.1858
nci9	0.6667	0.0741	0.6667	0.6129	0.0440
newspop	0.5323	0.4677	0.5323	0.0000	0.5226
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9588	0.0412	0.9588	0.8985	0.2553
NPHA-doctor-visits	0.4861	0.3426	0.4861	0.0111	0.6286
nursery	1.0000	0.0000	1.0000	1.0000	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9947	0.0053	0.9947	0.9850	0.0673
Occupancy_Estimation	0.9941	0.0030	0.9941	0.9819	0.0134
oh0-wc	0.7228	0.0554	0.7228	0.6769	0.1438
oh10-wc	0.6000	0.0800	0.6000	0.5346	0.2546
oh15-wc	0.5870	0.0826	0.5870	0.5165	0.2151
oh5-wc	0.6264	0.0747	0.6264	0.5665	0.2127
optdigits	0.9573	0.0085	0.9573	0.9525	0.0577
optdigitsZ	0.9982	0.0018	0.9982	0.9889	0.0098
orl	0.8500	0.0075	0.8500	0.8462	0.0252
orlraws10P	1.0000	0.0000	1.0000	1.0000	0.0000
ovarian-cancer	1.0000	0.0000	1.0000	1.0000	0.0000
ozone1hr	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr	0.9328	0.0672	0.9328	0.2410	0.3595
p53-mutants10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks	0.9835	0.0066	0.9835	0.9066	0.1397
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	0.9917	0.0083	0.9917	0.9828	0.0670
parkinsons	0.9474	0.0526	0.9474	0.8725	0.3145
pasture	0.5000	0.3333	0.5000	0.2000	0.3750
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5619	0.4381	0.5619	0.0034	0.8969
pd	0.8947	0.1053	0.8947	0.7091	0.4943
pediatric-leukemia	0.8235	0.0504	0.8235	0.7821	0.1427
pendigits	0.9936	0.0013	0.9936	0.9929	0.0122
period	0.8889	0.1111	0.8889	0.7273	0.2846
period-10f	0.6667	0.3333	0.6667	0.1818	0.8798
P-Glycoprotein_b_Inhibitor	0.8299	0.1701	0.8299	0.6140	0.6259
P-Glycoprotein_b_Substrate	0.6000	0.4000	0.6000	0.2000	0.9110
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8492	0.1508	0.8492	0.6987	0.5557
P-Glycoprotein_RDkit_AtomPair_FP	0.6500	0.3500	0.6500	0.3000	0.8743
Pgp_desc	0.8000	0.2000	0.8000	0.5833	0.6737
phishing	0.9878	0.0122	0.9878	0.9743	0.0880
phoneme	0.8463	0.1537	0.8463	0.6380	0.6099
phy	0.6334	0.3666	0.6334	0.2649	0.8026
pima	0.7500	0.2500	0.7500	0.4412	0.6999

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6667	0.3333	0.6667	0.0526	0.9011
polish-1st	0.9730	0.0270	0.9730	0.4474	0.0856
polish-2nd	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th	0.9592	0.0408	0.9592	0.4419	0.3694
polish-5th	0.9560	0.0440	0.9560	0.5468	0.2822
polya	0.6595	0.3405	0.6595	0.0707	0.5692
popularity	0.6313	0.2458	0.6313	0.0010	0.3100
post-operative	0.7778	0.1481	0.7778	0.4000	0.2005
postures	0.7159	0.1136	0.7159	0.6442	0.2785
pred-tox_mutagen_ref-desc	0.6324	0.3676	0.6324	0.2647	0.8981
primary-tumor	0.4242	0.0523	0.4242	0.3654	0.1779
profb	0.7463	0.2537	0.7463	0.3738	0.7632
promoters	0.9000	0.1000	0.9000	0.8000	0.3522
prostate	0.7857	0.2143	0.7857	0.5532	0.6777
prostate_GE	1.0000	0.0000	1.0000	1.0000	0.0000
raisin	0.8889	0.1111	0.8889	0.7778	0.4479
re0-wc	0.4667	0.0821	0.4667	0.1654	0.2633
re1-wc	0.5301	0.0376	0.5301	0.4383	0.1921
rejafada	1.0000	0.0000	1.0000	1.0000	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	1.0000	0.0000	1.0000	1.0000	0.0000
rocket	0.5907	0.4093	0.5907	0.0023	0.6035
satimage	0.8398	0.0534	0.8398	0.8010	0.2040
satimageF	0.9922	0.0078	0.9922	0.9602	0.1342
satimageT	0.9036	0.0964	0.9036	0.1013	0.3041
scadi	0.5714	0.1224	0.5714	0.4474	0.1793
schiller	0.7778	0.2222	0.7778	0.3571	0.7720
schizo	0.5000	0.5000	0.5000	0.0000	0.9853
secom	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom	0.6809	0.3191	0.6809	0.3952	0.5570
segment	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO	1.0000	0.0000	1.0000	1.0000	0.0000
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram	0.8711	0.1289	0.8711	0.0342	0.2664
sens-2-gram	0.8684	0.1316	0.8684	0.1055	0.5237
sens-3-gram	0.8737	0.1263	0.8737	0.0675	0.2632
sens-4-gram	0.8737	0.1263	0.8737	0.0934	0.3668
sensorless	0.9944	0.0010	0.9944	0.9938	0.0115
shoppers	0.8962	0.1038	0.8962	0.5622	0.5640
shuttle	0.9998	0.0000	0.9998	0.9995	0.0136
sick	0.9788	0.0212	0.9788	0.7987	0.0728
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.6842	0.3158	0.6842	0.3667	0.8414
solar-flare	0.7626	0.0791	0.7626	0.6952	0.2110
sonar	0.6500	0.3500	0.6500	0.3000	0.8418
soybean	0.9559	0.0046	0.9559	0.9516	0.0223
spambase	0.9261	0.0739	0.9261	0.8443	0.3511
spect	0.7778	0.2222	0.7778	0.2703	0.7789
spectf	0.9143	0.0857	0.9143	0.7692	0.2345
spectrometer	0.5094	0.0204	0.5094	0.4762	0.1369
splice-EI	0.9779	0.0221	0.9779	0.9427	0.1928
splice-IE	0.9558	0.0442	0.9558	0.8810	0.3118
sport-articles	0.8300	0.1700	0.8300	0.6374	0.6209
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.6000	0.2667	0.6000	0.3333	0.2250
steel-b	0.8256	0.1744	0.8256	0.3742	0.6660

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9949	0.0051	0.9949	0.9065	0.0226
steel_industry	0.8984	0.0677	0.8984	0.8351	0.2324
steel-k	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o	0.7333	0.2667	0.7333	0.3091	0.6210
steel-p	0.9385	0.0615	0.9385	0.5074	0.4915
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9897	0.0103	0.9897	0.9417	0.1621
studentap	0.4615	0.3590	0.4615	0.1574	0.6947
student-weekend	0.3692	0.2523	0.3692	0.0613	0.5923
student-workday	0.7031	0.1187	0.7031	0.1072	0.3416
swarm_aligned	1.0000	0.0000	0.9655	0.9917	0.0000
swarm_flocking	0.9780	0.0000	0.9709	0.9823	0.0000
swarm_grouped	1.0000	0.0000	1.0000	1.0000	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.5760
Tdp_desc	0.8611	0.1389	0.8611	0.5794	0.6112
texture	0.9527	0.0086	0.9527	0.9479	0.0601
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8298	0.1702	0.8298	-0.0387	0.6696
Thyroid_Diff	0.9211	0.0789	0.9211	0.8028	0.3830
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.8841	0.1159	0.8841	0.6705	0.5151
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0941
tox_171	0.8235	0.0882	0.8235	0.7650	0.1709
toxicity	0.5882	0.4118	0.5882	-0.0171	0.9466
toxicity-13f	0.8824	0.1176	0.8824	0.7213	0.2987
trains	0.5000	0.5000	0.5000	0.0000	0.5283
transfusion	0.6400	0.3600	0.6400	-0.1383	0.9275
trec11-wc	0.9024	0.0217	0.9024	0.8799	0.0798
trec12-wc	0.9355	0.0161	0.9355	0.9221	0.0486
trec21-wc	0.9697	0.0101	0.9697	0.9398	0.1157
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9785	0.0061	0.9785	0.9715	0.0135
trec41-wc	0.9545	0.0091	0.9545	0.9445	0.0489
trec45-wc	0.9710	0.0058	0.9710	0.9662	0.0183
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.8750	0.0625	0.8750	0.8333	0.1618
urban	0.8358	0.0365	0.8358	0.8066	0.1400
vehicle	0.7857	0.1071	0.7857	0.7098	0.2479
vehicleVAN	0.9762	0.0238	0.9762	0.9385	0.2027
voice	0.9167	0.0833	0.9167	0.8235	0.3522
vote	0.8837	0.1163	0.8837	0.7681	0.4411
vowel	0.6162	0.0698	0.6162	0.5778	0.2143
vowelZ	0.9495	0.0505	0.9495	0.5926	0.1408
wap-wc	0.3333	0.0667	0.3333	0.1703	0.2802
warpar10p	0.7692	0.0462	0.7692	0.7400	0.0732
warppie10p	1.0000	0.0000	1.0000	1.0000	0.0000
waveform	0.8100	0.1267	0.8100	0.7150	0.4125
web-phishing	0.8593	0.0938	0.8593	0.7518	0.4019
weight-lift	0.5325	0.1870	0.5325	0.3706	0.2969
white-clover	0.5000	0.2500	0.5000	0.0000	0.3597
wifi-loc	1.0000	0.0000	1.0000	1.0000	0.0000
wilt	0.9855	0.0145	0.9855	0.8435	0.2875
wine	1.0000	0.0000	1.0000	1.0000	0.0000
winequality-red	0.6289	0.1237	0.6289	0.3835	0.3906
winequality-white	0.5133	0.1391	0.5133	0.2099	0.5012
yale	0.6875	0.0417	0.6875	0.6667	0.0607
yeast	0.5405	0.0919	0.5405	0.4137	0.3804

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2	0.9459	0.0541	0.9459	-0.0120	0.5053
zip	0.7430	0.0514	0.7430	0.7115	0.2107
zoo	1.0000	0.0000	1.0000	1.0000	0.0000

Table 230: Detailed results for NewtonBoost (500)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone	0.1655	0.0576	0.1655	0.0860	0.5696
abalone19	0.9880	0.0120	0.9880	-0.0058	0.5581
abalone9-18	0.9589	0.0411	0.9589	0.5503	0.4891
accelerometer	0.9841	0.0159	0.9841	0.2766	0.2863
ads	0.9756	0.0244	0.9756	0.8970	0.2238
adult	0.8779	0.1254	0.8749	0.6030	0.5602
AID1284Morered	0.8333	0.1667	0.8333	0.1628	0.7500
AID1284red	0.8611	0.1389	0.8611	0.0000	0.2794
AID_1431	0.9127	0.0873	0.9127	0.0000	0.2033
AID1608Morered	0.9223	0.0777	0.9223	-0.0173	0.5455
AID1608red	0.9320	0.0680	0.9320	-0.0169	0.5534
AID_1878	0.7810	0.2190	0.7810	0.0458	0.8007
AID362red	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red	0.9952	0.0007	0.9690	-0.0002	0.3156
AID373red	0.9656	0.0018	0.9639	-0.0009	0.5230
AID439Morered	0.8571	0.1429	0.8571	0.0000	0.2846
AID439red	0.7143	0.2857	0.7143	-0.1667	0.7987
AID456red	0.9940	0.0060	0.9940	-0.0030	0.5141
AID600_MACCS	0.6757	0.3243	0.6757	0.3412	0.8452
AID_602330	0.9531	0.0469	0.9531	-0.0093	0.4706
AID604	0.9682	0.0017	0.9807	0.7088	0.2680
AID604AID644_AllRed	0.9696	0.0013	1.0000	0.1926	0.5159
AID644Morered	0.7500	0.2500	0.7500	0.3056	0.7334
AID644red	0.7000	0.3000	0.7000	0.2105	0.8520
AID_652128	0.8788	0.0808	0.8788	0.0000	0.1499
AID687AID721red	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red	0.9924	0.0076	0.9924	-0.0036	0.4564
AID688red	0.9886	0.0114	0.9886	-0.0036	0.4944
AID721morered	0.6667	0.3333	0.6667	-0.1739	0.9159
AID721red	0.6667	0.3333	0.6667	-0.1739	0.9159
AID746AID1284red	0.9874	0.0036	0.9638	-0.0014	0.3383
AID746red	0.9768	0.0099	0.9671	0.0556	0.5398
AID_773	0.8519	0.1481	0.8519	-0.0588	0.7435
AID852_MACCS	0.8615	0.1385	0.8615	0.6007	0.6089
all-aml	0.6667	0.3333	0.6667	0.2500	0.8750
anneal	0.9888	0.0045	0.9888	0.9766	0.0639
antivirus	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family	0.9889	0.0056	0.9889	0.9788	0.0324
anuran-f-b	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-genus	0.9903	0.0024	0.9903	0.9840	0.0701
anuran-species	0.9889	0.0022	0.9889	0.9845	0.0359
aps-failure	0.9716	0.0074	1.0000	0.7742	0.3024
arcene	0.8000	0.2000	0.8000	0.5652	0.6314
arrhythmia	0.8000	0.0308	0.8000	0.6680	0.1634
auction	0.9951	0.0049	0.9951	0.9776	0.0238
audiology	0.8696	0.0109	0.8696	0.8490	0.0399
audit-risk	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adolescent	1.0000	0.0000	1.0000	1.0000	0.0000
autism-adult	1.0000	0.0000	1.0000	1.0000	0.0000
autism-child	1.0000	0.0000	1.0000	1.0000	0.0000
autos	0.8500	0.0500	0.8500	0.8020	0.1409
avila	0.9976	0.0004	0.9976	0.9969	0.0290
balance	0.8065	0.1290	0.8065	0.6649	0.3989
bank	0.9179	0.0821	0.9179	0.5658	0.5643
banknote	0.9854	0.0146	0.9854	0.9705	0.0960

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
bankruptcy	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria	0.9078	0.0922	0.9078	0.7924	0.3563
basehock	0.9497	0.0503	0.9497	0.8995	0.2368
biodeg	0.8857	0.1143	0.8857	0.7577	0.4851
biomed	1.0000	0.0000	1.0000	1.0000	0.0000
breast-cancer	0.7500	0.2500	0.7500	0.3636	0.7920
breast-cancer-co	0.9091	0.0909	0.9091	0.8136	0.2846
breast-cancer-ma	0.2727	0.7273	0.2727	-0.4667	1.0000
breast-tissue	0.8182	0.0606	0.8182	0.7800	0.1122
bridges	0.7000	0.0857	0.7000	0.5714	0.1672
bze_3d_rdkit_descriptors	0.9268	0.0732	0.9268	0.7574	0.2006
cad	1.0000	0.0000	1.0000	1.0000	0.0000
caesarian	0.8750	0.1250	0.8750	0.7143	0.3145
cancer	0.9710	0.0290	0.9710	0.9348	0.1201
car	1.0000	0.0000	1.0000	1.0000	0.0000
card	0.8986	0.1014	0.8986	0.7908	0.4379
cardiotocography	0.8685	0.0263	0.8685	0.8424	0.1586
cardiotocography-nsp	0.9531	0.0313	0.9531	0.8677	0.1902
cargo2k	1.0000	0.0000	1.0000	1.0000	0.0000
cars	0.9000	0.0667	0.9000	0.8174	0.1727
cas_N6512_cdk_ECFP2	0.7573	0.2427	0.7573	0.5137	0.7370
census10%	0.9387	0.0437	0.9483	0.4832	0.4075
central-nervous-system	0.8333	0.1667	0.8333	0.5714	0.3522
cervical-B	0.9419	0.0581	0.9419	0.5147	0.5542
cervical-C	0.9302	0.0698	0.9302	-0.0198	0.5830
cervical-H	0.9651	0.0349	0.9651	0.7101	0.5112
cervical-S	0.9419	0.0581	0.9419	0.5857	0.4183
chemo_fontaine	1.0000	0.0000	1.0000	1.0000	0.0000
Choi_MACCS	0.8750	0.1250	0.8750	0.6000	0.2846
ci100410h_MACCS	0.8125	0.1875	0.8125	0.4514	0.7198
ci200186.atompair_fp	0.8727	0.1273	0.8727	0.7220	0.5184
ci200186m_DESC_PADEL	0.9074	0.0926	0.9074	0.7994	0.4164
ci200186m_ExtendedFingerprinter	0.8909	0.1091	0.8909	0.7591	0.4552
ci900367j_MACCS	0.7053	0.2947	0.7053	0.3738	0.8243
cirrhosis	0.8333	0.1111	0.8333	0.6581	0.2775
cjs	0.9964	0.0012	0.9964	0.9956	0.0059
ckd	1.0000	0.0000	1.0000	1.0000	0.0000
clave	0.8769	0.0616	0.8769	0.8087	0.2669
climate	0.9074	0.0926	0.9074	0.2373	0.6671
cll_sub_111	0.6667	0.2222	0.6667	0.4286	0.3779
cm1	0.8800	0.1200	0.8800	-0.0345	0.6560
cmc	0.5646	0.2902	0.5646	0.3111	0.6696
cnae-9	0.9444	0.0123	0.9444	0.9375	0.0608
codon_usage	0.9432	0.0103	0.9432	0.9309	0.0929
coil20	0.9586	0.0014	0.9655	0.9523	0.0096
collins	0.9800	0.0027	0.9800	0.9780	0.0066
colon-tumor	0.3333	0.6667	0.3333	0.0000	0.5000
colposcopies-1	0.6207	0.3793	0.6207	0.1799	0.9066
colposcopies-2	0.6552	0.3448	0.6552	0.2120	0.8709
colposcopies-3	0.6897	0.3103	0.6897	0.3359	0.8266
colposcopies-4	0.7931	0.2069	0.7931	0.3873	0.6468
colposcopies-5	0.7241	0.2759	0.7241	-0.1485	0.8628
colposcopies-6	0.7931	0.2069	0.7931	0.5817	0.5977
colposcopies-c	0.7586	0.2414	0.7586	0.3072	0.7986
column-2c	0.8710	0.1290	0.8710	0.7048	0.5414
column-3c	0.8710	0.0860	0.8710	0.7902	0.2274
connect-4	0.9760	0.0001	0.9802	0.9710	0.0005
cottonmeloidogyne	0.8053	0.1947	0.8053	0.6107	0.6516

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
coupon	0.7587	0.2413	0.7587	0.5006	0.7337
covtypeCD	0.9911	0.0089	0.9911	0.9619	0.1068
covtypeT	0.9842	0.0158	0.9842	0.8758	0.2470
cox2_cdk_ECFP2	0.8913	0.1087	0.8913	0.6048	0.4821
crowdsourced	0.9548	0.0151	0.9548	0.9067	0.1112
cryotherapy	0.7778	0.2222	0.7778	0.5714	0.4644
cultivars	0.4375	0.0281	0.4375	0.4205	0.0957
cyclopentane	0.7037	0.2963	0.7037	0.4000	0.8184
cylinder-bands	0.7407	0.2593	0.7407	0.4638	0.7670
darwin	0.8889	0.1111	0.8889	0.7778	0.4633
datatrieve	0.9231	0.0769	0.9231	0.0000	0.1858
dbworld	0.8571	0.1429	0.8571	0.6957	0.3522
default	0.8237	0.1763	0.8237	0.3924	0.6559
deposit	0.9056	0.0944	0.9056	0.4832	0.5872
dermatology	0.9459	0.0180	0.9459	0.9325	0.0590
desharnais	0.7500	0.1667	0.7500	0.5429	0.3496
dexter	0.9500	0.0500	0.9500	0.9000	0.2092
dhfr_cdk_ECFP2	0.7895	0.2105	0.7895	0.5490	0.6852
diabetes	0.9423	0.0577	0.9423	0.8815	0.2680
diabetic10%	0.5439	0.3027	0.5301	0.1264	0.6239
diagnosis	1.0000	0.0000	1.0000	1.0000	0.0000
dishonest	1.0000	0.0000	1.0000	1.0000	0.0000
dlbcl-harvard-outcome	0.6000	0.4000	0.6000	0.1667	0.9308
dlbcl-harvard-tumor	0.6250	0.3750	0.6250	0.1429	0.8433
dlbcl-nih	0.5417	0.4583	0.5417	0.0959	0.9453
dlbcl-stanford	0.8000	0.2000	0.8000	0.6154	0.4644
dropout	0.7743	0.1505	0.7743	0.6257	0.4654
drug-01	0.3457	0.1869	0.3457	0.0454	0.6465
drug-02	0.5266	0.1353	0.5266	0.2051	0.5948
drug-03	0.6436	0.1018	0.6436	0.1200	0.5055
drug-04	0.4574	0.1550	0.4574	0.0686	0.7943
drug-05	0.7234	0.0790	0.7234	-0.0160	0.2475
drug-06	0.3830	0.1763	0.3830	0.2261	0.6262
drug-07	0.3936	0.1733	0.3936	0.0221	0.5232
drug-08	0.5053	0.1413	0.5053	0.1206	0.6246
drug-09	0.8670	0.0380	0.8670	0.0617	0.2179
drug-10	0.5532	0.1277	0.5532	0.2000	0.5338
drug-11	0.8191	0.0517	0.8191	0.0136	0.4714
drug-12	0.7447	0.0729	0.7447	-0.0020	0.4606
drug-13	0.6011	0.1140	0.6011	0.2651	0.4753
drug-14	0.5691	0.1231	0.5691	0.2667	0.6044
drug-15	0.7447	0.0729	0.7447	0.1573	0.4048
drug-16	0.5585	0.1261	0.5585	0.2772	0.5151
drug-17	0.3457	0.1869	0.3457	0.1348	0.7174
drug-18	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19	0.7553	0.0699	0.7553	0.0929	0.5293
drybean	0.9251	0.0214	0.9251	0.9094	0.1182
ecoli	0.8824	0.0294	0.8824	0.8369	0.0987
ecoliCP-IM	1.0000	0.0000	1.0000	1.0000	0.0000
ecoliM	0.8788	0.1212	0.8788	0.6700	0.5608
ecoliMU	0.8485	0.1515	0.8485	0.3678	0.6223
ecoliOM	0.9697	0.0303	0.9697	0.6526	0.0949
eeg	0.5673	0.0536	0.5698	0.4982	0.4934
eeg-eye	0.8598	0.1402	0.8598	0.7146	0.5304
EPA_FHM	0.9508	0.0492	0.9508	0.5459	0.5027
er_lit_cdk_ECFP2	0.7436	0.2564	0.7436	0.4298	0.7489
er_tox_cdk_ECFP2	0.8500	0.1500	0.8500	0.6667	0.5796
er_tox_rdkit_ATOMPAIR	0.9344	0.0656	0.9344	0.2989	0.6293

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
er_tox_rdkit_AVALON	0.9180	0.0820	0.9180	0.6202	0.5322
er_tox_rdkit_descriptors	0.8197	0.1803	0.8197	0.5960	0.6483
er_tox_rdkit_FEATMORGAN	0.9516	0.0484	0.9516	0.9026	0.2601
er_tox_rdkit_LAYERED	0.9355	0.0645	0.9355	0.7156	0.1761
er_tox_rdkit_MACCS	0.9677	0.0323	0.9677	0.7339	0.5000
er_tox_rdkit_MORGAN	0.9677	0.0323	0.9677	0.6497	0.4892
er_tox_rdkit_PATTERN	0.9839	0.0161	0.9839	0.9615	0.0741
er_tox_rdkit_RDKITFP	0.8689	0.1311	0.8689	0.6848	0.5581
er_tox_rdkit_TORSION	0.9516	0.0484	0.9516	0.3758	0.5635
eucalyptus	0.6301	0.1479	0.6301	0.5238	0.3878
euthyroid	0.9684	0.0316	0.9684	0.8103	0.2985
fbis-wc	0.8249	0.0176	0.8510	0.8036	0.0956
fda.atompair_fp	0.6818	0.3182	0.6818	0.0494	0.8833
fertility	0.8000	0.2000	0.8000	-0.1111	0.7317
flags	0.6500	0.0875	0.6500	0.5484	0.1619
fontaine_MACCS	0.9318	0.0682	0.9318	0.8584	0.3038
fonts10%	0.4040	0.0074	0.4137	0.3720	0.2699
forest	0.9231	0.0385	0.9231	0.8937	0.0884
gas	0.9950	0.0017	0.9950	0.9939	0.0131
gastrointestinal	0.8750	0.0833	0.8750	0.7949	0.2147
gender	0.5768	0.2821	0.5768	0.1052	0.6086
gene	0.9527	0.0315	0.9527	0.9244	0.1599
german	0.7500	0.2500	0.7500	0.3719	0.6479
gina	0.9597	0.0403	0.9597	0.9193	0.2273
glass	0.8571	0.0476	0.8571	0.8013	0.1361
glassBWFP	0.9524	0.0476	0.9524	0.8966	0.1761
glassBWNFP	0.7619	0.2381	0.7619	0.5161	0.6769
glassContainers	0.9545	0.0455	0.9545	0.6452	0.1307
glass-g2	0.8750	0.1250	0.8750	0.7143	0.3145
glassNW	1.0000	0.0000	1.0000	1.0000	0.0000
glassTableware	1.0000	0.0000	1.0000	1.0000	0.0000
glassVWFP	0.9048	0.0952	0.9048	-0.0500	0.6330
gli_85	0.7500	0.2500	0.7500	0.5000	0.5283
glioma	0.8000	0.1000	0.8000	0.7059	0.1226
glioma-grade	0.8690	0.1310	0.8690	0.7339	0.5168
green	0.6000	0.4000	0.6000	0.2000	0.8294
GREY_MAO_DESC_PADEL	0.8571	0.1429	0.8571	0.6957	0.3522
GREY_MAO_ExtendedFingerprinter	1.0000	0.0000	1.0000	1.0000	0.0000
grub-damage	0.5333	0.2333	0.5333	0.3713	0.4230
haberman	0.6667	0.3333	0.6667	0.0741	0.8997
hapt	0.9652	0.0035	0.9459	0.9546	0.0246
hayes-roth	0.8125	0.1250	0.8125	0.7091	0.1887
hcc-survival	0.6471	0.3529	0.6471	0.2714	0.8868
heart	0.8148	0.1852	0.8148	0.5994	0.5812
heart-c	0.8333	0.1667	0.8333	0.6606	0.5434
hepatitis	0.8000	0.2000	0.8000	0.2857	0.7559
hERG-121inputs	1.0000	0.0000	1.0000	1.0000	0.0000
hERG-64inputs	0.8571	0.1429	0.8571	0.5882	0.3145
hERG-9inputs	1.0000	0.0000	1.0000	1.0000	0.0000
HIA_desc	0.7500	0.2500	0.7500	0.4318	0.7663
higher	0.3571	0.1607	0.3571	0.2410	0.2752
hinselmann	0.6000	0.4000	0.6000	-0.2500	0.8750
hiv1-proteasa	0.8988	0.1012	0.8988	0.5867	0.4905
hiva	0.9574	0.0426	0.9574	0.0838	0.5641
horse	0.7222	0.1852	0.7222	0.5142	0.4924
htru2	0.9804	0.0196	0.9804	0.8775	0.2125
hypothyroid	0.9947	0.0027	0.9947	0.9675	0.0098
hypothyroidT	0.9947	0.0053	0.9947	0.9638	0.1636

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
ilpd	0.7627	0.2373	0.7627	0.3780	0.7673
immuno-therapy	0.6667	0.3333	0.6667	0.1818	0.8134
ionsphere	0.9143	0.0857	0.9143	0.8059	0.4246
iris	0.9333	0.0444	0.9333	0.8993	0.1057
irish	1.0000	0.0000	1.0000	1.0000	0.0000
isolet	0.9347	0.0058	0.9146	0.8868	0.0702
jm1	0.8237	0.1763	0.8237	0.2345	0.6091
lvowels	0.9890	0.0025	0.9890	0.9875	0.0198
kc1	0.8768	0.1232	0.8768	0.4181	0.5663
kc1-class-level-defectiveornot	0.8667	0.1333	0.8667	0.7222	0.5304
kc1-class-level-numericdefect	0.5000	0.0417	0.5000	0.1967	0.1250
kc1-class-level-top5percentDF	0.8667	0.1333	0.8667	-0.0714	0.6717
kc2	0.8269	0.1731	0.8269	0.4236	0.6904
kidney-disease	0.9250	0.0750	0.9250	0.8421	0.3697
krkopt	0.7418	0.0279	0.7321	0.6892	0.2456
krvskp	0.9906	0.0094	0.9906	0.9812	0.0727
la1s-wc	0.9227	0.0285	0.9229	0.8892	0.1529
la2s-wc	0.9363	0.0256	0.9173	0.8846	0.1550
labor	0.8333	0.1667	0.8333	0.6667	0.4644
leaf	0.6176	0.0191	0.6176	0.5993	0.0791
led24	0.6500	0.0700	0.6500	0.6045	0.1502
lenses	1.0000	0.0000	1.0000	1.0000	0.0000
letter	0.9287	0.0035	0.9587	0.9386	0.0530
leukemia	0.8571	0.0952	0.8571	0.7879	0.1659
leukemia2	0.8571	0.1429	0.8571	0.7200	0.4011
libra	0.7778	0.0296	0.7778	0.7616	0.0972
liver	0.6471	0.3529	0.6471	0.2302	0.8750
lrs	0.8113	0.0377	0.8113	0.7361	0.1398
lsvt	0.9231	0.0769	0.9231	0.8312	0.3522
lung	0.9524	0.0190	0.9524	0.9045	0.0425
lung-cancer	0.6667	0.2222	0.6667	0.5000	0.1761
lung-cancer-harvard1	0.9500	0.0200	0.9500	0.8901	0.0447
lung-cancer-harvard2	0.9444	0.0556	0.9444	0.8235	0.4011
lung-cancer-michigan	0.8889	0.1111	0.8889	0.0000	0.2404
lung-cancer-ontario	0.6667	0.3333	0.6667	0.4000	0.5283
lung_discrete	0.7500	0.0714	0.7500	0.6863	0.1255
lupus	0.6667	0.3333	0.6667	0.3415	0.8344
lymphography	0.8571	0.0714	0.8571	0.7500	0.1548
lymphoma2	0.7778	0.0494	0.7778	0.7049	0.0294
madelon	0.8423	0.1577	0.8423	0.6846	0.5778
magic04	0.8859	0.1142	0.8859	0.7417	0.4631
mammography	0.8125	0.1875	0.8125	0.6255	0.6342
MAO_MACCS	0.8571	0.1429	0.8571	0.7200	0.4011
maternal	0.8515	0.0990	0.8515	0.7744	0.3403
messidor	0.6609	0.3391	0.6609	0.3084	0.8710
meter-A	0.8750	0.1250	0.8750	0.7500	0.4011
meter-B	1.0000	0.0000	1.0000	1.0000	0.0000
meter-C	0.9444	0.0278	0.9444	0.9234	0.0743
meter-D	0.9444	0.0278	0.9444	0.9221	0.0473
mfeat-fac	0.9600	0.0080	0.9600	0.9556	0.0427
mfeat-fou	0.8500	0.0300	0.8500	0.8333	0.1298
mfeat-kar	0.9500	0.0100	0.9500	0.9444	0.0607
mfeat-mor	0.7100	0.0580	0.7100	0.6778	0.1955
mfeat-pix	0.9700	0.0060	0.9700	0.9667	0.0349
mfeat-zer	0.7850	0.0430	0.7850	0.7611	0.1504
mice-prot	1.0000	0.0000	1.0000	1.0000	0.0000
mines	0.6471	0.1412	0.6471	0.5570	0.3772
mobile	0.8601	0.0050	0.8601	0.8576	0.0657

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
monks-1	1.0000	0.0000	1.0000	1.0000	0.0000
monks-2	1.0000	0.0000	1.0000	1.0000	0.0000
monks-3	0.9643	0.0357	0.9643	0.9283	0.1636
mushroom	1.0000	0.0000	1.0000	1.0000	0.0000
musk	0.9697	0.0303	0.9697	0.8739	0.1026
mutagen_class_1	0.5000	0.5000	0.5000	0.0000	0.9853
mutagen_class_2	0.4265	0.5735	0.4265	-0.1471	1.0000
mutagen_class_3	0.4203	0.5797	0.4203	-0.1597	1.0000
mutagens_ExtendedFingerprinter	0.6912	0.3088	0.6912	0.3824	0.8319
MUT_ci034254q_MACCS	0.6557	0.3443	0.6557	0.3049	0.8751
MUT_ci300400a	0.8434	0.1566	0.8434	0.6793	0.5806
MUT_ci300400a_cdk_ECFP2	0.8070	0.1930	0.8070	0.6016	0.6571
myocardial	0.8882	0.0279	0.8882	0.4439	0.0935
naticusdroid	0.9683	0.0317	0.9683	0.9366	0.1892
nci9	0.6667	0.0741	0.6667	0.6000	0.0833
newspop	0.6789	0.3211	0.6789	0.3518	0.8467
new-thyroid	1.0000	0.0000	1.0000	1.0000	0.0000
new-thyroidT	0.9524	0.0476	0.9524	0.7742	0.1408
NHANES_age_prediction	1.0000	0.0000	1.0000	1.0000	0.0000
nomao	0.9366	0.0333	0.9509	0.9083	0.2302
NPHA-doctor-visits	0.5417	0.3056	0.5417	0.1747	0.6666
nursery	0.9992	0.0003	0.9992	0.9989	0.0000
obs	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy	0.9932	0.0068	0.9932	0.9809	0.0835
Occupancy_Estimation	0.9931	0.0035	0.9931	0.9789	0.0149
oh0-wc	0.8762	0.0197	0.9006	0.8751	0.1003
oh10-wc	0.7790	0.0381	0.7843	0.7757	0.1634
oh15-wc	0.8319	0.0281	0.8346	0.8066	0.1189
oh5-wc	0.7840	0.0423	0.7809	0.7589	0.1818
optdigits	0.9698	0.0060	0.9698	0.9664	0.0431
optdigitsZ	0.9947	0.0053	0.9947	0.9674	0.1218
orl	0.8000	0.0100	0.8000	0.7949	0.0365
orlraws10P	0.8000	0.0400	0.8000	0.7778	0.0507
ovarian-cancer	0.9600	0.0400	0.9600	0.9110	0.1529
ozone1hr	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr	0.9209	0.0791	0.9209	0.1397	0.5452
p53-mutants10%	0.9618	0.0032	1.0000	0.0000	0.0144
page-blocks	0.9872	0.0051	0.9872	0.9273	0.1045
pah.atompair_fp	0.9000	0.1000	0.9000	0.7826	0.2846
parkinson	1.0000	0.0000	1.0000	1.0000	0.0000
parkinsons	0.8421	0.1579	0.8421	0.6175	0.6233
pasture	0.2500	0.5000	0.2500	-0.0909	0.3444
pc1	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac	0.5103	0.4897	0.5103	-0.0764	0.9895
pd	0.9605	0.0395	0.9605	0.8889	0.1355
pediatric-leukemia	0.7962	0.0487	0.7911	0.7806	0.1594
pendigits	0.9936	0.0013	0.9936	0.9929	0.0123
period	0.6667	0.3333	0.6667	0.1818	0.8798
period-10f	0.2222	0.7778	0.2222	-0.4000	0.9533
P-Glycoprotein_b_Inhibitor	0.8402	0.1598	0.8402	0.6401	0.6056
P-Glycoprotein_b_Substrate	0.6800	0.3200	0.6800	0.3600	0.7934
P-Glycoprotein_c_RDkit_AtomPair_FP	0.8810	0.1190	0.8810	0.7617	0.4826
P-Glycoprotein_RDkit_AtomPair_FP	0.8000	0.2000	0.8000	0.6040	0.6266
Pgp_desc	0.7500	0.2500	0.7500	0.4898	0.7480
phishing	0.9673	0.0327	0.9673	0.9312	0.1929
phoneme	0.8963	0.1037	0.8963	0.7456	0.4901
phy	0.7394	0.2586	0.7392	0.4596	0.7637
pima	0.7632	0.2368	0.7632	0.4865	0.7232

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
plrx	0.6667	0.3333	0.6667	-0.1020	0.8617
polish-1st	0.9815	0.0185	0.9815	0.6744	0.0639
polish-2nd	0.9735	0.0265	0.9735	0.5305	0.2958
polish-3rd	0.9638	0.0362	0.9638	0.4564	0.3639
polish-4th	0.9724	0.0276	0.9724	0.6826	0.3350
polish-5th	0.9712	0.0288	0.9712	0.7389	0.2318
polya	0.7957	0.2043	0.7957	0.5448	0.6874
popularity	0.6783	0.2103	0.6888	0.2661	0.5057
post-operative	0.6667	0.2222	0.6667	0.1818	0.4399
postures	0.9988	0.0026	0.9619	0.9915	0.0189
pred-tox_mutagen_ref-desc	0.7206	0.2794	0.7206	0.4412	0.7929
primary-tumor	0.3030	0.0634	0.3030	0.2333	0.2753
profb	0.7164	0.2836	0.7164	0.3339	0.8243
promoters	0.8000	0.2000	0.8000	0.6154	0.4644
prostate	0.8571	0.1429	0.8571	0.7083	0.5487
prostate_GE	0.9091	0.0909	0.9091	0.8136	0.2846
raisin	0.8778	0.1222	0.8778	0.7556	0.4920
re0-wc	0.8450	0.0244	0.8492	0.7656	0.2389
re1-wc	0.8549	0.0102	0.8715	0.8456	0.1115
rejafada	0.9680	0.0000	0.9881	0.9719	0.0000
relathe	1.0000	0.0000	1.0000	1.0000	0.0000
rnaseq	0.9767	0.0000	0.9660	0.9759	0.0000
rocket	0.7054	0.2946	0.7054	0.3849	0.8210
satimage	0.9067	0.0311	0.9067	0.8848	0.1523
satimageF	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT	0.9409	0.0591	0.9409	0.6293	0.4397
scadi	0.7143	0.0816	0.7143	0.6316	0.1395
schiller	0.5556	0.4444	0.5556	-0.2857	0.9011
schizo	0.5882	0.4118	0.5882	0.1765	0.9389
secom	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom	0.9918	0.0151	0.9994	0.9751	0.1035
segment	0.9740	0.0074	0.9740	0.9696	0.0292
segmentO	0.9957	0.0043	0.9957	0.9830	0.0885
seismic	0.9341	0.0659	0.9341	0.0000	0.1661
semeion	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-2-gram	0.8711	0.1289	0.8711	0.1116	0.4810
sens-3-gram	0.8658	0.1342	0.8658	0.0994	0.5596
sens-4-gram	0.8940	0.1151	0.8630	0.2526	0.4375
sensorless	0.9809	0.0002	0.9982	1.0000	0.0019
shoppers	0.8986	0.1014	0.8986	0.5755	0.5579
shuttle	0.9694	0.0000	0.9669	1.0000	0.0000
sick	0.9841	0.0159	0.9841	0.8612	0.1705
sirtuin6	1.0000	0.0000	1.0000	1.0000	0.0000
smk_can_187	0.5789	0.4211	0.5789	0.1739	0.8862
solar-flare	0.7626	0.0791	0.7626	0.6964	0.2108
sonar	0.5000	0.5000	0.5000	0.0000	1.0000
soybean	0.9706	0.0031	0.9706	0.9677	0.0167
spambase	0.9500	0.0500	0.9500	0.8949	0.2662
spect	0.7407	0.2593	0.7407	0.2025	0.8299
spectf	0.8857	0.1143	0.8857	0.7021	0.4691
spectrometer	0.5660	0.0181	0.5660	0.5412	0.1263
splice-EI	0.9748	0.0252	0.9748	0.9347	0.2116
splice-IE	0.9558	0.0442	0.9558	0.8800	0.3080
sport-articles	0.8500	0.1500	0.8500	0.6800	0.5773
squash-stored	1.0000	0.0000	1.0000	1.0000	0.0000
squash-unstored	0.4000	0.4000	0.4000	0.0625	0.2379
steel-b	0.8821	0.1179	0.8821	0.6211	0.5536

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
steel-d	0.9897	0.0103	0.9897	0.8280	0.3214
steel_industry	0.9070	0.0620	0.9070	0.8488	0.2220
steel-k	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o	0.7846	0.2154	0.7846	0.5159	0.7123
steel-p	0.9385	0.0615	0.9385	0.5390	0.5226
steel-s	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z	0.9846	0.0154	0.9846	0.9145	0.2439
studentap	0.4615	0.3590	0.4615	0.1727	0.6264
student-weekend	0.3231	0.2708	0.3231	0.0813	0.7201
student-workday	0.7344	0.1062	0.7344	0.2718	0.3954
swarm_aligned	0.9766	0.0000	0.9984	1.0000	0.0000
swarm_flocking	1.0000	0.0000	1.0000	0.9882	0.0000
swarm_grouped	1.0000	0.0000	0.9907	0.9780	0.0000
tae	0.5333	0.3111	0.5333	0.3000	0.6406
Tdp_desc	0.8889	0.1111	0.8889	0.6471	0.4930
texture	0.9855	0.0026	0.9855	0.9840	0.0226
theorem	1.0000	0.0000	1.0000	1.0000	0.0000
thoracic	0.8936	0.1064	0.8936	0.4051	0.2404
Thyroid_Diff	0.9211	0.0789	0.9211	0.7912	0.2236
tic-tac-toe	0.9895	0.0105	0.9895	0.9763	0.0550
tis	0.9152	0.0657	0.9061	0.8010	0.3393
titanic	0.8182	0.1818	0.8182	0.5163	0.4251
tourist	0.7500	0.0833	0.7500	0.6364	0.0779
tox_171	0.6471	0.1765	0.6471	0.5321	0.2107
toxicity	0.6471	0.3529	0.6471	0.0893	0.8324
toxicity-13f	0.7647	0.2353	0.7647	0.4426	0.7072
trains	0.5055	0.4938	0.4892	0.0000	0.5288
transfusion	0.6800	0.3200	0.6800	0.0099	0.8961
trec11-wc	0.8581	0.0264	0.8506	0.8614	0.1129
trec12-wc	0.9355	0.0161	0.9355	0.9228	0.0528
trec21-wc	0.9071	0.0295	0.9183	0.8053	0.3057
trec23-wc	0.9524	0.0159	0.9524	0.9327	0.0449
trec31-wc	0.9367	0.0092	0.9503	0.9318	0.0429
trec41-wc	0.9268	0.0113	0.9484	0.9064	0.0709
trec45-wc	0.8944	0.0173	0.9191	0.8874	0.0679
tuandromd	0.9888	0.0112	0.9888	0.9651	0.1057
turkish	0.7250	0.1375	0.7250	0.6333	0.2940
urban	0.8209	0.0398	0.8209	0.7900	0.1588
vehicle	0.8095	0.0952	0.8095	0.7428	0.1781
vehicleVAN	0.9881	0.0119	0.9881	0.9677	0.0550
voice	0.8333	0.1667	0.8333	0.6250	0.6250
vote	0.8605	0.1395	0.8605	0.7214	0.5237
vowel	0.5960	0.0735	0.5960	0.5556	0.2372
vowelZ	0.9596	0.0404	0.9596	0.7778	0.4525
wap-wc	0.3009	0.0683	0.3026	0.1351	0.2926
warpar10p	0.7692	0.0462	0.7692	0.7417	0.0682
warppiel0p	0.9524	0.0095	0.9524	0.9470	0.0212
waveform	0.8400	0.1067	0.8400	0.7600	0.3665
web-phishing	0.8741	0.0840	0.8741	0.7789	0.3882
weight-lift	0.4200	0.2303	0.4052	0.2081	0.3265
white-clover	0.6667	0.1667	0.6667	0.4000	0.2044
wifi-loc	0.9900	0.0050	0.9900	0.9867	0.0257
wilt	0.9917	0.0083	0.9917	0.9123	0.2103
wine	0.9412	0.0392	0.9412	0.9000	0.1450
winequality-red	0.7296	0.0901	0.7296	0.5603	0.3231
winequality-white	0.6524	0.0993	0.6524	0.4675	0.3838
yale	0.5000	0.0667	0.5000	0.4667	0.1007
yeast	0.5676	0.0865	0.5676	0.4375	0.3682

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
yeastCYT-POX	0.9796	0.0204	0.9796	0.7897	0.4644
yeastEXC	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2	0.9595	0.0405	0.9595	0.3825	0.4343
zip	0.9478	0.0085	0.9556	0.9555	0.0684
zoo	1.0000	0.0000	1.0000	1.0000	0.0000



## 5 Detailed results for noise experiments

### 5.1 Noise 5%

Table 231: Detailed results for RotationForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1247	0.0604	0.1247	0.0679	0.6785
abalone19_05%	0.9856	0.0144	0.9856	-0.0072	0.5293
accelerometer_05%	0.9462	0.0538	0.9462	0.3195	0.4527
ads_05%	0.9665	0.0335	0.9665	0.8646	0.3281
adult_05%	0.8204	0.1796	0.8204	0.5730	0.6281
AID_1431_05%	0.8456	0.1272	0.8415	-0.0447	0.6548
AID_1878_05%	0.7854	0.2015	0.8041	0.0946	0.7183
AID_602330_05%	0.9019	0.0744	0.9030	-0.0651	0.4931
AID1608Morered_05%	0.8155	0.1845	0.8155	0.0051	0.5887
AID1608red_05%	0.8738	0.1262	0.8738	-0.0669	0.6366
AID362red_05%	0.9673	0.0327	0.9673	0.2074	0.5079
AID373AID439red_05%	0.7811	0.2189	0.7811	-0.0003	0.0024
AID373red_05%	0.9351	0.0649	0.9351	0.0082	0.0331
AID456red_05%	0.9729	0.0271	0.9729	-0.0054	0.1653
AID604_05%	0.9521	0.0479	0.9521	0.1099	0.1694
AID604AID644_AllRed_05%	0.9933	0.0377	0.9437	0.2340	0.0477
AID687AID721red_05%	0.9087	0.0913	0.9087	-0.0012	0.0132
AID687red_05%	0.8984	0.1016	0.8984	0.0059	0.0623
AID688red_05%	0.8783	0.1217	0.8783	0.0067	0.1506
AID746AID1284red_05%	0.8505	0.1495	0.8505	0.0025	0.0169
AID746red_05%	0.7881	0.2119	0.7881	0.0266	0.0755
anuran-f-b_05%	0.9847	0.0153	0.9847	0.5158	0.5089
anuran-family_05%	0.9805	0.0097	0.9805	0.9627	0.0475
anuran-genus_05%	0.9805	0.0049	0.9805	0.9681	0.1111
anuran-species_05%	0.9806	0.0039	0.9806	0.9730	0.0700
aps-failure_05%	0.9859	0.0351	0.9530	0.8124	0.1988
auction_05%	0.9853	0.0147	0.9853	0.9349	0.2023
avila_05%	0.9904	0.0016	0.9904	0.9876	0.0865
bank_05%	0.8519	0.1481	0.8519	0.5044	0.5752
banknote_05%	0.9781	0.0219	0.9781	0.9559	0.1291
barleyblumeria_05%	0.9078	0.0922	0.9078	0.7930	0.3656
basehock_05%	0.9849	0.0151	0.9849	0.9698	0.1051
biodeg_05%	0.9143	0.0857	0.9143	0.8191	0.4034
car_05%	0.9253	0.0374	0.9253	0.8503	0.3588
cardiotocography_05%	0.8920	0.0216	0.8920	0.8717	0.1519
cardiotocography-nsp_05%	0.9061	0.0626	0.9061	0.7621	0.3919
cargo2k_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_05%	0.7087	0.2563	0.7231	0.5120	0.7189
census10%_05%	0.7941	0.2059	0.7941	0.2714	0.4441
cjs_05%	0.9929	0.0024	0.9929	0.9913	0.0188
clave_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_05%	0.5306	0.3129	0.5306	0.2825	0.7039
cnae-9_05%	0.9444	0.0123	0.9444	0.9370	0.0594
codon_usage_05%	0.8890	0.0373	0.9207	0.8913	0.0805
coil20_05%	1.0000	0.0000	1.0000	1.0000	0.0000
connect-4_05%	0.9504	0.0331	0.9504	0.4319	0.4986
cottonmeloidogyne_05%	0.7500	0.2500	0.7500	0.5006	0.7387
coupon_05%	0.7524	0.2476	0.7524	0.4966	0.7496
covtypeCD_05%	0.9750	0.0292	1.0000	0.9587	0.1002
covtypeT_05%	0.9764	0.0236	0.9764	0.8333	0.3928
crowdsourced_05%	0.9300	0.0233	0.9300	0.8601	0.2869
default_05%	0.7880	0.2120	0.7880	0.4259	0.7380
deposit_05%	0.8337	0.1663	0.8337	0.4704	0.5833
diabetic10%_05%	0.5422	0.3052	0.5422	0.2082	0.7445
dropout_05%	0.7472	0.1685	0.7472	0.5916	0.4657

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3617	0.1824	0.3617	0.0327	0.5696
drug-02_05%	0.4574	0.1550	0.4574	0.2737	0.7319
drug-03_05%	0.5638	0.1246	0.5638	0.1963	0.4983
drug-04_05%	0.4096	0.1687	0.4096	0.1924	0.7772
drug-05_05%	0.6011	0.1140	0.6011	-0.0041	0.7591
drug-06_05%	0.3670	0.1809	0.3670	0.2305	0.6671
drug-07_05%	0.3989	0.1717	0.3989	0.0786	0.5525
drug-08_05%	0.3989	0.1717	0.3989	0.1474	0.7121
drug-09_05%	0.7500	0.0714	0.7500	0.0418	0.4527
drug-10_05%	0.4947	0.1444	0.4947	0.2166	0.6870
drug-11_05%	0.6702	0.0942	0.6702	0.1570	0.5562
drug-12_05%	0.5957	0.1155	0.5957	0.1543	0.7003
drug-13_05%	0.5426	0.1307	0.5426	0.2583	0.7535
drug-14_05%	0.5053	0.1413	0.5053	0.3064	0.6450
drug-15_05%	0.6011	0.1140	0.6011	0.1545	0.8554
drug-16_05%	0.5585	0.1261	0.5585	0.3785	0.5710
drug-17_05%	0.3085	0.1976	0.3085	0.1454	0.7846
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.5479	0.1292	0.5479	0.1302	0.4843
drybean_05%	0.9177	0.0235	0.9177	0.9005	0.1331
eeg_05%	0.5432	0.0571	0.5432	0.4968	0.5802
eeg-eye_05%	0.9065	0.0935	0.9065	0.8105	0.4105
euthyroid_05%	0.9557	0.0443	0.9557	0.7695	0.4573
fbis-wc_05%	0.0244	0.1148	0.0244	-0.0021	0.4604
fonts10%_05%	0.6202	0.0601	0.6015	0.5756	0.3067
gas_05%	0.9957	0.0014	0.9957	0.9948	0.0106
gender_05%	0.5811	0.2793	0.5811	0.2287	0.7124
gene_05%	0.9274	0.0484	0.9274	0.8842	0.2173
german_05%	0.6800	0.3200	0.6800	0.2873	0.8618
gina_05%	0.9452	0.0548	0.9452	0.8905	0.2843
hapt_05%	0.9552	0.0075	0.9552	0.9470	0.0559
hiv1-proteasa_05%	0.8988	0.1012	0.8988	0.6752	0.5571
hiva_05%	0.9433	0.0567	0.9433	0.2206	0.6119
htru2_05%	0.9749	0.0251	0.9749	0.8518	0.3296
hypothyroid_05%	0.9814	0.0093	0.9814	0.8979	0.3028
hypothyroidT_05%	0.9920	0.0080	0.9920	0.9465	0.2137
isolet_05%	0.8960	0.0080	0.8960	0.8919	0.0870
jm1_05%	0.7612	0.2388	0.7612	0.3403	0.7499
jvowels_05%	0.9699	0.0067	0.9699	0.9659	0.0479
kc1_05%	0.8246	0.1754	0.8246	0.3883	0.7166
krkopt_05%	0.7355	0.0294	0.7355	0.7053	0.4159
krvskp_05%	0.9687	0.0313	0.9687	0.9369	0.1888
la1s-wc_05%	0.3187	0.2725	0.3187	0.0261	0.5136
la2s-wc_05%	0.1039	0.3584	0.1039	0.0027	0.4527
letter_05%	0.9480	0.0040	0.9480	0.9459	0.0616
madelon_05%	0.7500	0.2500	0.7500	0.5000	0.7466
magic04_05%	0.8769	0.1231	0.8769	0.7279	0.5132
maternal_05%	0.7228	0.1848	0.7228	0.5792	0.5189
messidor_05%	0.6957	0.3043	0.6957	0.3850	0.8264
mfeat-fac_05%	0.9600	0.0080	0.9600	0.9553	0.0500
mfeat-fou_05%	0.8100	0.0380	0.8100	0.7882	0.1380
mfeat-kar_05%	0.9450	0.0110	0.9450	0.9387	0.0674
mfeat-mor_05%	0.7050	0.0590	0.7050	0.6716	0.2252
mfeat-pix_05%	0.9700	0.0060	0.9700	0.9665	0.0381
mfeat-zer_05%	0.7850	0.0430	0.7850	0.7607	0.1482
mice-prot_05%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_05%	0.9476	0.0019	0.9476	0.9466	0.0223
mushroom_05%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.9652	0.0348	0.9652	0.8593	0.2328
MUT_ci300400a_05%	0.8581	0.1458	0.8277	0.6745	0.5629
MUT_ci300400a.cdk.ECFP2_05%	0.7946	0.1831	0.7838	0.5875	0.6468
myocardial_05%	0.8529	0.0368	0.8529	0.5095	0.5228
naticusdroid_05%	0.9669	0.0331	0.9669	0.9339	0.1946
newspop_05%	0.6728	0.3272	0.6728	0.3404	0.8548
NHANES_age_prediction_05%	0.9706	0.0368	0.9688	0.9648	0.0552
nomao_05%	0.9623	0.0377	0.9623	0.9085	0.2547
nursery_05%	0.9907	0.0037	0.9907	0.9830	0.0383
obs_05%	0.9722	0.0139	0.9722	0.9591	0.0599
occupancy_05%	0.9937	0.0063	0.9937	0.9823	0.0826
Occupancy_Estimation_05%	0.9768	0.0099	0.9634	0.9300	0.0554
oh0-wc_05%	0.1200	0.1760	0.1200	0.0231	0.4647
oh10-wc_05%	0.0762	0.1848	0.0762	0.0128	0.5294
optdigits_05%	0.9626	0.0075	0.9626	0.9585	0.0551
optdigitsZ_05%	0.9982	0.0018	0.9982	0.9889	0.0098
ozone1hr_05%	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr_05%	0.9130	0.0870	0.9130	0.3422	0.6484
P-Glycoprotein_b_Inhibitor_05%	0.8542	0.1859	0.8225	0.6087	0.6239
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.8924	0.1192	0.8925	0.7705	0.4650
p53-mutants10%_05%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_05%	0.9634	0.0146	0.9634	0.8201	0.4543
parkinson_05%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_05%	0.9189	0.0811	0.9189	0.3567	0.6383
pcmac_05%	0.4897	0.5103	0.4897	-0.0891	1.0000
pendigits_05%	0.9882	0.0024	0.9882	0.9868	0.0201
phishing_05%	0.9551	0.0449	0.9551	0.9056	0.2507
phoneme_05%	0.9019	0.0981	0.9019	0.7680	0.4738
phy_05%	0.6799	0.3145	0.6887	0.4088	0.8073
polish-1st_05%	0.9730	0.0270	0.9730	0.5241	0.3512
polish-2nd_05%	0.9558	0.0442	0.9558	0.2175	0.5660
polish-3rd_05%	0.9267	0.0733	0.9267	0.2419	0.6320
polish-4th_05%	0.9367	0.0633	0.9367	0.4589	0.6039
polish-5th_05%	0.9408	0.0592	0.9408	0.5139	0.5645
polya_05%	0.7805	0.2195	0.7805	0.5297	0.7143
popularity_05%	0.6794	0.2428	0.6405	0.2243	0.5361
postures_05%	0.9830	0.0068	0.9830	0.9787	0.0429
re0-wc_05%	0.0400	0.1477	0.0400	0.0179	0.4689
re1-wc_05%	0.0242	0.0781	0.0242	0.0156	0.4356
rejafada_05%	0.9899	0.0100	0.9899	0.8699	0.3750
relathe_05%	0.9930	0.0070	0.9930	0.9858	0.0469
rocket_05%	0.6909	0.3091	0.6909	0.4002	0.7561
satimage_05%	0.9020	0.0327	0.9020	0.8791	0.1639
satimageF_05%	0.9860	0.0140	0.9860	0.9301	0.2271
satimageT_05%	0.9207	0.0793	0.9207	0.6357	0.5661
secom_05%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_05%	1.0000	0.0420	0.9778	0.9673	0.0065
segment_05%	0.9654	0.0099	0.9654	0.9595	0.0467
segmentO_05%	0.9913	0.0087	0.9913	0.9663	0.1466
seismic_05%	0.8837	0.1163	0.8837	0.1885	0.6523
semeion_05%	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram_05%	0.8158	0.1842	0.8158	0.1352	0.7681
sens-2-gram_05%	0.8342	0.1658	0.8342	0.2556	0.7391
sens-3-gram_05%	0.8184	0.1816	0.8184	0.3158	0.7133
sens-4-gram_05%	0.7763	0.2237	0.7763	0.1810	0.7336
sensorless_05%	0.9973	0.0005	0.9973	0.9970	0.0058
shoppers_05%	0.8727	0.1273	0.8727	0.5763	0.6200
shuttle_05%	1.0000	0.0555	0.9931	0.9795	0.0699

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9682	0.0318	0.9682	0.7430	0.4257
solar-flare_05%	0.7122	0.0959	0.7122	0.6415	0.2687
spambase_05%	0.9391	0.0609	0.9391	0.8727	0.3145
splice-EI_05%	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE_05%	0.9243	0.0757	0.9243	0.7979	0.4336
sport-articles_05%	0.8000	0.2000	0.8000	0.5757	0.6783
steel_industry_05%	0.8844	0.0716	0.8679	0.8407	0.2221
steel-b_05%	0.8256	0.1744	0.8256	0.5259	0.6735
steel-d_05%	0.9846	0.0154	0.9846	0.6597	0.0550
steel-k_05%	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o_05%	0.8256	0.1744	0.8256	0.6108	0.6337
steel-p_05%	0.9385	0.0615	0.9385	0.6332	0.5553
steel-s_05%	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z_05%	0.9795	0.0205	0.9795	0.8886	0.3044
swarm_aligned_05%	0.9684	0.0219	0.9431	0.9695	0.0534
swarm_flocking_05%	0.9777	0.0537	1.0000	0.9746	0.0150
swarm_grouped_05%	0.9994	0.0000	0.9418	0.9582	0.0275
texture_05%	0.9745	0.0046	0.9745	0.9719	0.0361
theorem_05%	0.9984	0.0016	0.9984	0.9966	0.0176
tis_05%	0.8824	0.1027	0.8975	0.6990	0.4373
titanic_05%	0.7591	0.2409	0.7591	0.4549	0.7599
tuandromd_05%	0.9709	0.0291	0.9709	0.9142	0.2622
wap-wc_05%	0.0192	0.0981	0.0192	0.0038	0.4047
waveform_05%	0.8600	0.0933	0.8600	0.7900	0.3309
web-phishing_05%	0.8593	0.0938	0.8593	0.7547	0.4180
weight-lift_05%	0.9808	0.0000	0.9744	0.9900	0.0480
wifi-loc_05%	0.9950	0.0025	0.9950	0.9933	0.0128
wilt_05%	0.9669	0.0331	0.9669	0.6971	0.5106
winequality-red_05%	0.5597	0.1468	0.5597	0.3377	0.6442
winequality-white_05%	0.6115	0.1110	0.6115	0.4395	0.5515
yeast_05%	0.5743	0.0851	0.5743	0.4567	0.4440
yeastEXC_05%	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME1_05%	0.9662	0.0338	0.9662	0.5293	0.5593
yeastME2_05%	0.9392	0.0608	0.9392	0.3681	0.6156
zip_05%	0.5102	0.0980	0.5102	0.4101	0.6898

Table 232: Detailed results for SVM

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.2038	0.0549	0.2038	0.1130	0.3997
abalone19_05%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_05%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_05%	0.9726	0.0274	0.9726	0.8761	0.0941
adult_05%	0.8397	0.1603	0.8397	0.5103	0.6320
AID_1431_05%	0.9131	0.1452	0.9064	-0.0462	0.2375
AID_1878_05%	0.8094	0.2240	0.8036	-0.0278	0.3297
AID_602330_05%	0.9492	0.0372	0.9316	0.0059	0.1469
AID1608Morered_05%	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red_05%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_05%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_05%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_05%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_05%	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed_05%	0.9740	0.0150	0.9641	-0.0026	0.0474
AID687AID721red_05%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_05%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_05%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_05%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_05%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_05%	0.9430	0.0285	0.9430	0.8897	0.1469
anuran-genus_05%	0.9555	0.0111	0.9555	0.9260	0.1465
anuran-species_05%	0.9778	0.0044	0.9778	0.9690	0.0519
aps-failure_05%	0.9821	0.0179	0.9821	0.3948	0.5068
auction_05%	0.8725	0.1275	0.8725	0.0000	0.2639
avila_05%	0.5290	0.0785	0.5290	0.2643	0.2584
bank_05%	0.9026	0.0974	0.9026	0.3079	0.4761
banknote_05%	0.9854	0.0146	0.9854	0.9705	0.0960
barleyblumeria_05%	0.8940	0.1060	0.8940	0.7606	0.4016
basehock_05%	0.9045	0.0955	0.9045	0.8091	0.4080
biodeg_05%	0.8857	0.1143	0.8857	0.7553	0.4788
car_05%	0.8506	0.0747	0.8506	0.6807	0.3103
cardiotocography_05%	0.8169	0.0366	0.8169	0.7781	0.1729
cardiotocography-nsp_05%	0.8685	0.0876	0.8685	0.6091	0.3902
cargo2k_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_05%	0.7513	0.2205	0.7348	0.5090	0.7231
census10%_05%	0.9509	0.0491	0.9509	0.3707	0.3744
cjs_05%	1.0000	0.0000	1.0000	1.0000	0.0000
clave_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_05%	0.4966	0.3356	0.4966	0.1974	0.7400
cnae-9_05%	0.8704	0.0288	0.8704	0.8532	0.1202
codon_usage_05%	0.9103	0.0019	0.9323	0.8857	0.0917
coil20_05%	1.0000	0.0000	1.0000	1.0000	0.0000
connect-4_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne_05%	0.7692	0.2308	0.7692	0.5385	0.7187
coupon_05%	0.6885	0.3115	0.6885	0.3555	0.8371
covtypeCD_05%	0.9418	0.0582	0.9418	0.7371	0.4025
covtypeT_05%	0.9296	0.0704	0.9296	0.0699	0.3770
crowdsourced_05%	0.8959	0.0347	0.8959	0.7750	0.1861
default_05%	0.7790	0.2210	0.7790	0.0000	0.3738
deposit_05%	0.8910	0.1090	0.8910	0.1670	0.4103
diabetic10%_05%	0.5648	0.2901	0.5648	0.1144	0.5029
dropout_05%	0.7517	0.1655	0.7517	0.5785	0.4766

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02_05%	0.5160	0.1383	0.5160	0.0133	0.3380
drug-03_05%	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04_05%	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05_05%	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06_05%	0.4362	0.1611	0.4362	0.2683	0.3912
drug-07_05%	0.4309	0.1626	0.4309	0.0000	0.2460
drug-08_05%	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09_05%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_05%	0.5426	0.1307	0.5426	0.1174	0.4041
drug-11_05%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_05%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_05%	0.6117	0.1109	0.6117	0.2126	0.3792
drug-14_05%	0.5904	0.1170	0.5904	0.0933	0.3094
drug-15_05%	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16_05%	0.5532	0.1277	0.5532	0.1642	0.3810
drug-17_05%	0.3617	0.1824	0.3617	0.1031	0.4355
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.7713	0.0654	0.7713	0.0000	0.1604
drybean_05%	0.9251	0.0214	0.9251	0.9094	0.1197
eeg_05%	0.3949	0.0756	0.3949	0.3234	0.5684
eeg-eye_05%	0.5507	0.4493	0.5507	0.0000	0.5178
euthyroid_05%	0.9272	0.0728	0.9272	0.3855	0.1818
fbis-wc_05%	0.2073	0.0933	0.2073	0.0000	0.3511
fonts10%_05%	0.4789	0.0181	0.4735	0.4355	0.3234
gas_05%	0.9892	0.0036	0.9892	0.9869	0.0288
gender_05%	0.5853	0.2765	0.5853	-0.0076	0.3517
gene_05%	0.9085	0.0610	0.9085	0.8542	0.2478
german_05%	0.7200	0.2800	0.7200	0.3120	0.7636
gina_05%	0.8847	0.1153	0.8847	0.7692	0.4722
hapt_05%	0.9570	0.0072	0.9570	0.9491	0.0440
hiv1-proteasa_05%	0.9224	0.0776	0.9224	0.7046	0.4414
hiva_05%	0.9645	0.0355	0.9645	0.0000	0.1045
htru2_05%	0.9704	0.0296	0.9704	0.7945	0.1440
hypothyroid_05%	0.9443	0.0279	0.9443	0.5773	0.1773
hypothyroidT_05%	0.9549	0.0451	0.9549	0.5658	0.1285
isolet_05%	0.9384	0.0047	0.9384	0.9359	0.0573
jm1_05%	0.8118	0.1882	0.8118	0.0558	0.4005
jvowels_05%	0.9588	0.0091	0.9588	0.9533	0.0654
kc1_05%	0.8531	0.1469	0.8531	0.1649	0.5017
krkopt_05%	0.2702	0.0811	0.2702	0.1632	0.5641
krvskp_05%	0.9624	0.0376	0.9624	0.9242	0.2166
la1s-wc_05%	0.3094	0.2762	0.3094	-0.0005	0.4301
la2s-wc_05%	0.3149	0.2740	0.3149	0.0000	0.3621
letter_05%	0.8320	0.0129	0.8320	0.8252	0.1771
madelon_05%	0.5692	0.4308	0.5692	0.1385	0.9504
magic04_05%	0.7791	0.2209	0.7791	0.4883	0.7041
maternal_05%	0.6337	0.2442	0.6337	0.4358	0.5425
messidor_05%	0.6957	0.3043	0.6957	0.3961	0.8043
mfeat-fac_05%	0.9800	0.0040	0.9800	0.9776	0.0245
mfeat-fou_05%	0.8100	0.0380	0.8100	0.7880	0.1418
mfeat-kar_05%	0.9500	0.0100	0.9500	0.9443	0.0634
mfeat-mor_05%	0.7500	0.0500	0.7500	0.7213	0.2226
mfeat-pix_05%	0.9750	0.0050	0.9750	0.9721	0.0321
mfeat-zer_05%	0.8550	0.0290	0.8550	0.8386	0.1015
mice-prot_05%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_05%	0.8392	0.0057	0.8392	0.8362	0.0765
mushroom_05%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.9258	0.0742	0.9258	0.6500	0.2363
MUT_ci300400a_05%	0.7820	0.2664	0.7586	0.5343	0.6903
MUT_ci300400a.cdk.ECFP2_05%	0.8498	0.1672	0.8225	0.6782	0.5906
myocardial_05%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_05%	0.9458	0.0542	0.9458	0.8916	0.2710
newspop_05%	0.6107	0.3893	0.6107	0.2125	0.9179
NHANES_age_prediction_05%	0.9646	0.0299	0.9766	0.9559	0.0440
nomao_05%	0.9428	0.0572	0.9428	0.8604	0.3317
nursery_05%	0.9151	0.0340	0.9151	0.8306	0.0603
obs_05%	0.7963	0.1019	0.7963	0.6850	0.2160
occupancy_05%	0.9883	0.0117	0.9883	0.9677	0.1316
Occupancy_Estimation_05%	0.9908	0.0187	0.9349	0.9630	0.0120
oh0-wc_05%	0.2000	0.1600	0.2000	0.0000	0.3757
oh10-wc_05%	0.1524	0.1695	0.1524	-0.0105	0.4377
optdigits_05%	0.9644	0.0071	0.9644	0.9604	0.0466
optdigitsZ_05%	0.9964	0.0036	0.9964	0.9776	0.0175
ozone1hr_05%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_05%	0.9249	0.0751	0.9249	0.0000	0.1826
P-Glycoprotein_b_Inhibitor_05%	0.8604	0.1833	0.8305	0.7053	0.5564
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.8393	0.1707	0.8440	0.7262	0.4427
p53-mutants10%_05%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_05%	0.9543	0.0183	0.9543	0.6900	0.1133
parkinson_05%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_05%	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac_05%	0.5567	0.4433	0.5567	-0.0385	0.8134
pendigits_05%	0.9745	0.0051	0.9745	0.9717	0.0439
phishing_05%	0.9633	0.0367	0.9633	0.9228	0.2155
phoneme_05%	0.7667	0.2333	0.7667	0.3918	0.7660
phy_05%	0.7016	0.2984	0.7016	0.4032	0.8190
polish-1st_05%	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd_05%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_05%	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th_05%	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th_05%	0.9306	0.0694	0.9306	0.0000	0.1724
polya_05%	0.7849	0.2151	0.7849	0.5120	0.6983
popularity_05%	0.6313	0.2458	0.6313	0.0004	0.2960
postures_05%	0.8611	0.0556	0.8611	0.8263	0.2290
re0-wc_05%	0.3000	0.1077	0.3000	0.0376	0.3493
re1-wc_05%	0.2424	0.0606	0.2424	0.0431	0.3713
rejafada_05%	0.9648	0.0352	0.9648	0.0000	0.1039
relathe_05%	1.0000	0.0000	1.0000	1.0000	0.0000
rocket_05%	0.6154	0.3846	0.6154	0.1575	0.9080
satimage_05%	0.8398	0.0534	0.8398	0.8004	0.2034
satimageF_05%	0.9813	0.0187	0.9813	0.8974	0.1179
satimageT_05%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_05%	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom_05%	0.9822	0.0580	1.0000	0.9843	0.0379
segment_05%	0.9567	0.0124	0.9567	0.9494	0.0562
segmentO_05%	0.9957	0.0043	0.9957	0.9825	0.0218
seismic_05%	0.9341	0.0659	0.9341	0.0000	0.1661
semeion_05%	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram_05%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_05%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram_05%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram_05%	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless_05%	0.9282	0.0131	0.9282	0.9209	0.0821
shoppers_05%	0.8775	0.1225	0.8775	0.3648	0.4858
shuttle_05%	0.9622	0.0108	0.9622	0.8893	0.0736

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9496	0.0504	0.9496	0.4051	0.2858
solar-flare_05%	0.7482	0.0839	0.7482	0.6751	0.1924
spambase_05%	0.9152	0.0848	0.9152	0.8188	0.3531
splice-EI_05%	0.9558	0.0442	0.9558	0.8858	0.3029
splice-IE_05%	0.9022	0.0978	0.9022	0.7203	0.4815
sport-articles_05%	0.8300	0.1700	0.8300	0.6205	0.5925
steel_industry_05%	0.8199	0.0754	0.8376	0.7502	0.2754
steel-b_05%	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d_05%	0.9692	0.0308	0.9692	0.0000	0.0938
steel-k_05%	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o_05%	0.7231	0.2769	0.7231	0.3776	0.8095
steel-p_05%	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s_05%	0.9641	0.0359	0.9641	0.2151	0.1059
steel-z_05%	0.9487	0.0513	0.9487	0.7084	0.4722
swarm_aligned_05%	0.9768	0.0000	0.9489	0.9807	0.0203
swarm_flocking_05%	0.9816	0.0470	0.9424	0.9428	0.0000
swarm_grouped_05%	0.9784	0.0572	0.9834	0.9451	0.0272
texture_05%	0.9964	0.0007	0.9964	0.9960	0.0057
theorem_05%	1.0000	0.0000	1.0000	1.0000	0.0000
tis_05%	0.8983	0.1017	0.8983	0.7184	0.4877
titanic_05%	0.8182	0.1818	0.8182	0.5545	0.6262
tuandromd_05%	0.9709	0.0291	0.9709	0.9106	0.2478
wap-wc_05%	0.2179	0.0782	0.2179	0.0000	0.3441
waveform_05%	0.8460	0.1027	0.8460	0.7690	0.3544
web-phishing_05%	0.8000	0.1333	0.8000	0.6250	0.4126
weight-lift_05%	0.6764	0.1294	0.6764	0.5867	0.4175
wifi-loc_05%	0.9950	0.0025	0.9950	0.9933	0.0128
wilt_05%	0.9462	0.0538	0.9462	-0.0077	0.4198
winequality-red_05%	0.5723	0.1426	0.5723	0.2755	0.3228
winequality-white_05%	0.5133	0.1391	0.5133	0.1854	0.3767
yeast_05%	0.5270	0.0946	0.5270	0.3871	0.3571
yeastEXC_05%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1_05%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2_05%	0.9527	0.0473	0.9527	0.0000	0.1300
zip_05%	0.5576	0.0885	0.5576	0.3194	0.5962

Table 233: Detailed results for Stacking

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1487	0.0587	0.1487	0.0642	0.4823
abalone19_05%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_05%	0.9841	0.0159	0.9841	0.1877	0.0560
ads_05%	0.9726	0.0274	0.9726	0.8785	0.1617
adult_05%	0.8542	0.1458	0.8542	0.5569	0.5930
AID_1431_05%	0.9011	0.0878	0.8705	-0.0240	0.2181
AID_1878_05%	0.8238	0.2251	0.7941	-0.0315	0.3620
AID_602330_05%	0.9200	0.0436	0.9098	-0.0483	0.1267
AID1608Mored_05%	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red_05%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_05%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_05%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_05%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_05%	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed_05%	0.9414	0.0562	0.9955	-0.0309	0.0304
AID687AID721red_05%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_05%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_05%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_05%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_05%	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family_05%	0.9805	0.0097	0.9805	0.9627	0.0475
anuran-genus_05%	0.9833	0.0042	0.9833	0.9726	0.0763
anuran-species_05%	0.9889	0.0022	0.9889	0.9846	0.0313
aps-failure_05%	0.9592	0.0282	0.9958	0.7806	0.3161
auction_05%	0.9706	0.0294	0.9706	0.8633	0.2582
avila_05%	0.9818	0.0030	0.9818	0.9764	0.0456
bank_05%	0.9082	0.0918	0.9082	0.4572	0.5707
banknote_05%	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria_05%	0.9124	0.0876	0.9124	0.8033	0.3470
basehock_05%	0.9849	0.0151	0.9849	0.9698	0.1051
biodeg_05%	0.8952	0.1048	0.8952	0.7789	0.4599
car_05%	0.9713	0.0144	0.9713	0.9396	0.1636
cardiotocography_05%	0.8732	0.0254	0.8732	0.8479	0.1336
cardiotocography-nsp_05%	0.9437	0.0376	0.9437	0.8383	0.1741
cargo2k_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_05%	0.7466	0.2642	0.7343	0.5662	0.6814
census10%_05%	0.9482	0.0518	0.9482	0.3605	0.4484
cjs_05%	0.9964	0.0012	0.9964	0.9956	0.0063
clave_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_05%	0.5238	0.3175	0.5238	0.2471	0.7063
cnae-9_05%	0.9259	0.0165	0.9259	0.9160	0.0794
codon_usage_05%	0.9447	0.0640	0.9034	0.8863	0.1522
coil20_05%	1.0000	0.0000	1.0000	1.0000	0.0000
connect-4_05%	0.9997	0.0002	0.9997	0.9933	0.0010
cottonmeloidogyne_05%	0.7740	0.2260	0.7740	0.5482	0.7102
coupon_05%	0.7610	0.2390	0.7610	0.5069	0.7324
covtypeCD_05%	0.9929	0.0552	0.9372	0.9349	0.1300
covtypeT_05%	0.9847	0.0153	0.9847	0.8790	0.2315
crowdsourced_05%	0.9539	0.0154	0.9539	0.9046	0.1004
default_05%	0.8217	0.1783	0.8217	0.3775	0.6529
deposit_05%	0.9029	0.0971	0.9029	0.4607	0.5934
diabetic10%_05%	0.5766	0.2823	0.5766	0.1514	0.5480
dropout_05%	0.7630	0.1580	0.7630	0.6010	0.4510

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3777	0.1778	0.3777	-0.0013	0.4571
drug-02_05%	0.5319	0.1337	0.5319	0.1707	0.5184
drug-03_05%	0.6862	0.0897	0.6862	0.0904	0.3371
drug-04_05%	0.5053	0.1413	0.5053	0.0737	0.6435
drug-05_05%	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06_05%	0.4309	0.1626	0.4309	0.2749	0.4679
drug-07_05%	0.4309	0.1626	0.4309	0.0246	0.3549
drug-08_05%	0.5691	0.1231	0.5691	0.1534	0.4052
drug-09_05%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_05%	0.5372	0.1322	0.5372	0.1312	0.4760
drug-11_05%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_05%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_05%	0.6170	0.1094	0.6170	0.2386	0.3232
drug-14_05%	0.6170	0.1094	0.6170	0.3117	0.4624
drug-15_05%	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16_05%	0.5691	0.1231	0.5691	0.2777	0.4806
drug-17_05%	0.3564	0.1839	0.3564	0.1022	0.5523
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.7713	0.0654	0.7713	0.0000	0.1604
drybean_05%	0.9221	0.0223	0.9221	0.9059	0.1279
eeg_05%	0.4956	0.0630	0.4956	0.4411	0.5875
eeg-eye_05%	0.9159	0.0841	0.9159	0.8296	0.3836
euthyroid_05%	0.9747	0.0253	0.9747	0.8527	0.2759
fbis-wc_05%	0.1504	0.1000	0.1504	-0.0425	0.4703
fonts10%_05%	0.5167	0.0163	0.4929	0.5266	0.6041
gas_05%	0.9942	0.0019	0.9942	0.9930	0.0147
gender_05%	0.6042	0.2639	0.6042	0.1286	0.5122
gene_05%	0.9180	0.0547	0.9180	0.8686	0.2362
german_05%	0.7200	0.2800	0.7200	0.3120	0.7636
gina_05%	0.9597	0.0403	0.9597	0.9193	0.2269
hapt_05%	0.9625	0.0063	0.9625	0.9557	0.0467
hiv1-proteasa_05%	0.9039	0.0961	0.9039	0.6293	0.5131
hiva_05%	0.9622	0.0378	0.9622	0.1005	0.4517
htru2_05%	0.9777	0.0223	0.9777	0.8563	0.2033
hypothyroid_05%	0.9947	0.0027	0.9947	0.9684	0.0506
hypothyroidT_05%	0.9867	0.0133	0.9867	0.9051	0.2034
isolet_05%	0.8922	0.0083	0.8922	0.8879	0.1002
jm1_05%	0.8163	0.1837	0.8163	0.1867	0.6220
jvowels_05%	0.9880	0.0027	0.9880	0.9863	0.0218
kc1_05%	0.8626	0.1374	0.8626	0.3196	0.5977
krkopt_05%	0.8121	0.0209	0.8121	0.7891	0.2233
krvskp_05%	0.9875	0.0125	0.9875	0.9747	0.0922
la1s-wc_05%	0.3250	0.2700	0.3250	0.0239	0.4498
la2s-wc_05%	0.3149	0.2740	0.3149	0.0000	0.3621
letter_05%	0.9340	0.0051	0.9340	0.9313	0.0768
madelon_05%	0.7385	0.2615	0.7385	0.4769	0.7662
magic04_05%	0.8816	0.1184	0.8816	0.7344	0.4875
maternal_05%	0.8416	0.1056	0.8416	0.7591	0.3589
messidor_05%	0.6870	0.3130	0.6870	0.3660	0.8384
mfeat-fac_05%	0.9500	0.0100	0.9500	0.9441	0.0590
mfeat-fou_05%	0.8250	0.0350	0.8250	0.8048	0.1187
mfeat-kar_05%	0.9600	0.0080	0.9600	0.9555	0.0510
mfeat-mor_05%	0.7550	0.0490	0.7550	0.7272	0.2185
mfeat-pix_05%	0.9750	0.0050	0.9750	0.9721	0.0313
mfeat-zer_05%	0.9100	0.0180	0.9100	0.8998	0.0845
mice-prot_05%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_05%	0.7378	0.0094	0.7378	0.7330	0.1118
mushroom_05%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.9530	0.0470	0.9530	0.8003	0.2301
MUT_ci300400a_05%	0.8703	0.1667	0.8348	0.7026	0.5127
MUT_ci300400a.cdk.ECFP2_05%	0.8537	0.1534	0.8010	0.6296	0.5832
myocardial_05%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_05%	0.9727	0.0273	0.9727	0.9454	0.1690
newspop_05%	0.6731	0.3269	0.6731	0.3394	0.8527
NHANES_age_prediction_05%	0.9854	0.0000	0.9963	1.0000	0.0179
nomao_05%	0.9663	0.0337	0.9663	0.9171	0.2195
nursery_05%	0.9853	0.0059	0.9853	0.9729	0.0148
obs_05%	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy_05%	0.9908	0.0092	0.9908	0.9744	0.1112
Occupancy_Estimation_05%	0.9569	0.0272	0.9531	0.9499	0.0388
oh0-wc_05%	0.1900	0.1620	0.1900	-0.0073	0.4488
oh10-wc_05%	0.2000	0.1600	0.2000	0.0490	0.4382
optdigits_05%	0.9733	0.0053	0.9733	0.9703	0.0338
optdigitsZ_05%	0.9964	0.0036	0.9964	0.9776	0.0175
ozone1hr_05%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_05%	0.9328	0.0672	0.9328	0.1787	0.1695
P-Glycoprotein_b_Inhibitor_05%	0.8475	0.1878	0.8207	0.6498	0.6043
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.8651	0.1549	0.8773	0.7755	0.4198
p53-mutants10%_05%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_05%	0.9781	0.0088	0.9781	0.8694	0.1213
parkinson_05%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_05%	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac_05%	0.5825	0.4175	0.5825	0.0000	0.5072
pendigits_05%	0.9909	0.0018	0.9909	0.9899	0.0162
phishing_05%	0.9633	0.0367	0.9633	0.9231	0.2202
phoneme_05%	0.9204	0.0796	0.9204	0.8004	0.3993
phy_05%	0.7194	0.2847	0.6728	0.3827	0.8524
polish-1st_05%	0.9716	0.0284	0.9716	0.4023	0.0889
polish-2nd_05%	0.9577	0.0423	0.9577	0.0360	0.4216
polish-3rd_05%	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th_05%	0.9520	0.0480	0.9520	0.3678	0.4938
polish-5th_05%	0.9594	0.0406	0.9594	0.5938	0.2712
polya_05%	0.7968	0.2032	0.7968	0.5399	0.6759
popularity_05%	0.6710	0.2099	0.6523	0.1472	0.4893
postures_05%	0.9905	0.0038	0.9905	0.9882	0.0270
re0-wc_05%	0.4067	0.0913	0.4067	0.0000	0.2775
re1-wc_05%	0.2424	0.0606	0.2424	0.0431	0.3713
rejafada_05%	1.0000	0.0000	1.0000	1.0000	0.0000
relathe_05%	0.9859	0.0141	0.9859	0.9716	0.0806
rocket_05%	0.6967	0.3033	0.6967	0.3688	0.8320
satimage_05%	0.9207	0.0264	0.9207	0.9020	0.1301
satimageF_05%	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT_05%	0.9440	0.0560	0.9440	0.6316	0.3692
secom_05%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_05%	0.9483	0.0256	0.9516	0.9425	0.0164
segment_05%	0.9740	0.0074	0.9740	0.9696	0.0309
segmentO_05%	1.0000	0.0000	1.0000	1.0000	0.0000
seismic_05%	0.9341	0.0659	0.9341	0.0000	0.1661
semeion_05%	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram_05%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_05%	0.8816	0.1184	0.8816	0.1618	0.2534
sens-3-gram_05%	0.8763	0.1237	0.8763	0.1245	0.3621
sens-4-gram_05%	0.8658	0.1342	0.8658	0.0500	0.4928
sensorless_05%	0.9962	0.0007	0.9962	0.9959	0.0085
shoppers_05%	0.9011	0.0989	0.9011	0.5576	0.5083
shuttle_05%	0.9480	0.0000	0.9721	0.9419	0.0175

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9682	0.0318	0.9682	0.6981	0.2956
solar-flare_05%	0.7410	0.0863	0.7410	0.6669	0.2213
spambase_05%	0.9500	0.0500	0.9500	0.8949	0.2662
splice-EI_05%	0.9621	0.0379	0.9621	0.9044	0.2680
splice-IE_05%	0.9306	0.0694	0.9306	0.8130	0.4109
sport-articles_05%	0.8600	0.1400	0.8600	0.6963	0.5487
steel_industry_05%	0.8660	0.1094	0.8865	0.8129	0.2060
steel-b_05%	0.8821	0.1179	0.8821	0.6137	0.5418
steel-d_05%	0.9795	0.0205	0.9795	0.4922	0.0689
steel-k_05%	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o_05%	0.8051	0.1949	0.8051	0.5589	0.6706
steel-p_05%	0.9231	0.0769	0.9231	0.1895	0.4020
steel-s_05%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_05%	0.9795	0.0205	0.9795	0.8886	0.3044
swarm_aligned_05%	0.9428	0.0436	0.9887	0.9509	0.0067
swarm_flocking_05%	0.9772	0.0058	0.9298	0.9514	0.0323
swarm_grouped_05%	0.9530	0.0147	0.9551	0.9783	0.0151
texture_05%	0.9800	0.0036	0.9800	0.9779	0.0307
theorem_05%	0.9967	0.0033	0.9967	0.9933	0.0238
tis_05%	0.8920	0.1084	0.8867	0.7905	0.4484
titanic_05%	0.8091	0.1909	0.8091	0.5247	0.6309
tuandromd_05%	0.9821	0.0179	0.9821	0.9448	0.1758
wap-wc_05%	0.2115	0.0788	0.2115	0.0051	0.4163
waveform_05%	0.8480	0.1013	0.8480	0.7721	0.3525
web-phishing_05%	0.8741	0.0840	0.8741	0.7750	0.3464
weight-lift_05%	0.9560	0.0284	0.9644	0.9652	0.0108
wifi-loc_05%	0.9950	0.0025	0.9950	0.9933	0.0128
wilt_05%	0.9834	0.0166	0.9834	0.8174	0.2978
winequality-red_05%	0.6604	0.1132	0.6604	0.4462	0.3296
winequality-white_05%	0.6748	0.0929	0.6748	0.4982	0.3701
yeast_05%	0.5878	0.0824	0.5878	0.4612	0.3500
yeastEXC_05%	0.9662	0.0338	0.9662	-0.0109	0.5494
yeastME1_05%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2_05%	0.9527	0.0473	0.9527	0.0000	0.1300
zip_05%	0.6060	0.0788	0.6060	0.4269	0.6077

Table 234: Detailed results for BoostForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1607	0.0579	0.1607	0.0797	0.5615
abalone19_05%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_05%	0.9844	0.0156	0.9844	0.2604	0.2030
ads_05%	0.9787	0.0213	0.9787	0.9107	0.2129
adult_05%	0.8466	0.1534	0.8466	0.5605	0.6385
AID_1431_05%	0.8683	0.1301	0.8918	-0.0338	0.5245
AID_1878_05%	0.8071	0.2383	0.8048	0.1149	0.6707
AID_602330_05%	0.9189	0.0569	0.9349	-0.0100	0.4857
AID1608Morered_05%	0.9126	0.0874	0.9126	0.1393	0.6658
AID1608red_05%	0.9223	0.0777	0.9223	-0.0300	0.6529
AID362red_05%	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red_05%	0.9957	0.0043	0.9957	-0.0003	0.0555
AID373red_05%	0.9936	0.0064	0.9936	0.0484	0.2337
AID456red_05%	0.9950	0.0050	0.9950	-0.0024	0.5429
AID604_05%	0.9570	0.0430	0.9570	0.1216	0.1847
AID604AID644_AllRed_05%	0.9889	0.0604	0.9674	-0.0018	0.0107
AID687AID721red_05%	0.9961	0.0039	0.9961	-0.0010	0.2075
AID687red_05%	0.9906	0.0094	0.9906	-0.0041	0.3948
AID688red_05%	0.9879	0.0121	0.9879	-0.0045	0.5315
AID746AID1284red_05%	0.9925	0.0075	0.9925	-0.0017	0.1844
AID746red_05%	0.9888	0.0112	0.9888	0.0766	0.5370
anuran-f-b_05%	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family_05%	0.9847	0.0076	0.9847	0.9707	0.0348
anuran-genus_05%	0.9847	0.0038	0.9847	0.9748	0.0614
anuran-species_05%	0.9847	0.0031	0.9847	0.9787	0.0217
aps-failure_05%	0.9405	0.0533	0.9595	0.7925	0.2089
auction_05%	0.9804	0.0196	0.9804	0.9056	0.0721
avila_05%	0.9780	0.0037	0.9780	0.9713	0.0413
bank_05%	0.9094	0.0906	0.9094	0.5166	0.5940
banknote_05%	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria_05%	0.9078	0.0922	0.9078	0.7930	0.3656
basehock_05%	0.9497	0.0503	0.9497	0.8995	0.2368
biodeg_05%	0.8952	0.1048	0.8952	0.7789	0.4599
car_05%	0.9943	0.0029	0.9943	0.9877	0.0741
cardiotocography_05%	0.8639	0.0272	0.8639	0.8363	0.1497
cardiotocography-nsp_05%	0.9671	0.0219	0.9671	0.9065	0.0722
cargo2k_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_05%	0.7434	0.1989	0.7493	0.5345	0.7367
census10%_05%	0.9509	0.0491	0.9509	0.4459	0.4784
cjs_05%	0.9964	0.0012	0.9964	0.9956	0.0076
clave_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_05%	0.5442	0.3039	0.5442	0.2844	0.7164
cnae-9_05%	0.9074	0.0206	0.9074	0.8948	0.0917
codon_usage_05%	0.9130	0.0083	0.9048	0.8709	0.1455
coil20_05%	0.9931	0.0007	0.9931	0.9927	0.0048
connect-4_05%	0.9976	0.0016	0.9976	0.9447	0.0064
cottonmeloidogyne_05%	0.7692	0.2308	0.7692	0.5386	0.7171
coupon_05%	0.7547	0.2453	0.7547	0.4946	0.7438
covtypeCD_05%	0.9621	0.0383	0.9958	0.9788	0.1030
covtypeT_05%	0.9873	0.0127	0.9873	0.9009	0.2155
crowdsourced_05%	0.9401	0.0200	0.9401	0.8748	0.1384
default_05%	0.8177	0.1823	0.8177	0.3882	0.6882
deposit_05%	0.9036	0.0964	0.9036	0.4861	0.6013
diabetic10%_05%	0.5648	0.2901	0.5648	0.1540	0.5965
dropout_05%	0.7607	0.1595	0.7607	0.5985	0.4622

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3138	0.1960	0.3138	-0.0372	0.5911
drug-02_05%	0.5106	0.1398	0.5106	0.1831	0.6414
drug-03_05%	0.6968	0.0866	0.6968	0.1661	0.3572
drug-04_05%	0.4947	0.1444	0.4947	0.1252	0.6911
drug-05_05%	0.7394	0.0745	0.7394	0.0314	0.1760
drug-06_05%	0.3989	0.1717	0.3989	0.2450	0.5795
drug-07_05%	0.3883	0.1748	0.3883	-0.0112	0.4740
drug-08_05%	0.5638	0.1246	0.5638	0.1929	0.4968
drug-09_05%	0.8723	0.0365	0.8723	0.0699	0.1044
drug-10_05%	0.5479	0.1292	0.5479	0.1531	0.4986
drug-11_05%	0.8404	0.0456	0.8404	0.0382	0.2477
drug-12_05%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_05%	0.5904	0.1170	0.5904	0.2034	0.4570
drug-14_05%	0.6117	0.1109	0.6117	0.3351	0.5475
drug-15_05%	0.7394	0.0745	0.7394	0.0437	0.4522
drug-16_05%	0.5745	0.1216	0.5745	0.3079	0.4846
drug-17_05%	0.3617	0.1824	0.3617	0.1282	0.6252
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.7500	0.0714	0.7500	0.0191	0.4227
drybean_05%	0.9243	0.0216	0.9243	0.9085	0.1234
eeg_05%	0.5619	0.0548	0.5619	0.5130	0.4968
eeg-eye_05%	0.9272	0.0728	0.9272	0.8524	0.3423
euthyroid_05%	0.9620	0.0380	0.9620	0.7790	0.3765
fbis-wc_05%	0.1057	0.1052	0.1057	0.0222	0.3863
fonts10%_05%	0.4399	0.0000	0.4821	0.4480	0.3401
gas_05%	0.9942	0.0019	0.9942	0.9930	0.0149
gender_05%	0.5979	0.2681	0.5979	0.1478	0.5884
gene_05%	0.9274	0.0484	0.9274	0.8836	0.1923
german_05%	0.7700	0.2300	0.7700	0.4221	0.5816
gina_05%	0.9481	0.0519	0.9481	0.8962	0.2734
hapt_05%	0.9707	0.0049	0.9707	0.9654	0.0323
hiv1-proteasa_05%	0.8820	0.1180	0.8820	0.5505	0.5969
hiva_05%	0.9574	0.0426	0.9574	-0.0120	0.5357
htru2_05%	0.9777	0.0223	0.9777	0.8612	0.2547
hypothyroid_05%	0.9841	0.0080	0.9841	0.9065	0.1629
hypothyroidT_05%	0.9973	0.0027	0.9973	0.9816	0.0997
isolet_05%	0.9166	0.0064	0.9166	0.9132	0.0723
jm1_05%	0.8200	0.1800	0.8200	0.2912	0.6964
jvowels_05%	0.9880	0.0027	0.9880	0.9863	0.0201
kc1_05%	0.8483	0.1517	0.8483	0.3253	0.6935
krkopt_05%	0.8446	0.0173	0.8446	0.8258	0.2180
krvskp_05%	0.9812	0.0188	0.9812	0.9621	0.1236
la1s-wc_05%	0.2344	0.3063	0.2344	-0.0059	0.5011
la2s-wc_05%	0.3019	0.2792	0.3019	-0.0125	0.4969
letter_05%	0.9620	0.0029	0.9620	0.9605	0.0455
madelon_05%	0.7962	0.2038	0.7962	0.5923	0.6671
magic04_05%	0.8722	0.1278	0.8722	0.7112	0.5062
maternal_05%	0.8416	0.1056	0.8416	0.7591	0.3589
messidor_05%	0.7043	0.2957	0.7043	0.3900	0.8159
mfeat-fac_05%	0.9750	0.0050	0.9750	0.9720	0.0327
mfeat-fou_05%	0.8500	0.0300	0.8500	0.8325	0.1170
mfeat-kar_05%	0.9500	0.0100	0.9500	0.9443	0.0643
mfeat-mor_05%	0.6850	0.0630	0.6850	0.6492	0.2560
mfeat-pix_05%	0.9700	0.0060	0.9700	0.9665	0.0381
mfeat-zer_05%	0.8200	0.0360	0.8200	0.7996	0.0887
mice-prot_05%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_05%	0.9336	0.0024	0.9336	0.9324	0.0278
mushroom_05%	0.9704	0.0296	0.9704	0.8559	0.3781

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.9621	0.0379	0.9621	0.8431	0.2067
MUT_ci300400a_05%	0.8749	0.1542	0.8569	0.7398	0.5507
MUT_ci300400a.cdk.ECFP2_05%	0.8115	0.1652	0.8235	0.6507	0.6209
myocardial_05%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_05%	0.9137	0.0863	0.9137	0.8274	0.3404
newspop_05%	0.6678	0.3322	0.6678	0.3305	0.8608
NHANES_age_prediction_05%	0.9737	0.0192	0.9869	0.9553	0.0201
nomao_05%	0.9658	0.0342	0.9658	0.9159	0.2250
nursery_05%	0.9923	0.0031	0.9923	0.9858	0.1238
obs_05%	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy_05%	0.9912	0.0088	0.9912	0.9754	0.0938
Occupancy_Estimation_05%	0.9736	0.0234	0.9525	0.9361	0.0041
oh0-wc_05%	0.1700	0.1660	0.1700	-0.0122	0.5090
oh10-wc_05%	0.2095	0.1581	0.2095	0.0610	0.4593
optdigits_05%	0.9698	0.0060	0.9698	0.9664	0.0432
optdigitsZ_05%	0.9964	0.0036	0.9964	0.9776	0.0175
ozone1hr_05%	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr_05%	0.9328	0.0672	0.9328	0.2410	0.3595
P-Glycoprotein_b_Inhibitor_05%	0.8233	0.1397	0.8573	0.6271	0.5764
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.8921	0.1344	0.8571	0.7249	0.4524
p53-mutants10%_05%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_05%	0.9744	0.0102	0.9744	0.8491	0.1914
parkinson_05%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_05%	0.9099	0.0901	0.9099	0.1246	0.6636
pcmac_05%	0.5155	0.4845	0.5155	0.0176	0.9830
pendigits_05%	0.9936	0.0013	0.9936	0.9929	0.0122
phishing_05%	0.9510	0.0490	0.9510	0.8980	0.2727
phoneme_05%	0.9167	0.0833	0.9167	0.7902	0.4088
phy_05%	0.7117	0.2970	0.7052	0.4163	0.8287
polish-1st_05%	0.9587	0.0413	0.9587	-0.0053	0.3773
polish-2nd_05%	0.9499	0.0501	0.9499	0.0188	0.5968
polish-3rd_05%	0.9505	0.0495	0.9505	-0.0037	0.3116
polish-4th_05%	0.9480	0.0520	0.9480	0.3301	0.5421
polish-5th_05%	0.9459	0.0541	0.9459	0.5020	0.5017
polya_05%	0.7978	0.2022	0.7978	0.5343	0.6559
popularity_05%	0.6124	0.2784	0.5794	0.0701	0.5795
postures_05%	0.9859	0.0056	0.9859	0.9824	0.0374
re0-wc_05%	0.1600	0.1292	0.1600	0.0366	0.3480
re1-wc_05%	0.0909	0.0727	0.0909	0.0133	0.4022
rejafada_05%	1.0000	0.0000	1.0000	1.0000	0.0000
relathe_05%	0.9789	0.0211	0.9789	0.9575	0.1395
rocket_05%	0.6604	0.3396	0.6604	0.2969	0.8731
satimage_05%	0.9082	0.0306	0.9082	0.8866	0.1478
satimageF_05%	0.9891	0.0109	0.9891	0.9449	0.1852
satimageT_05%	0.9487	0.0513	0.9487	0.6538	0.2830
secom_05%	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom_05%	0.9792	0.0290	0.9498	0.9769	0.0581
segment_05%	0.9654	0.0099	0.9654	0.9595	0.0447
segmentO_05%	0.9957	0.0043	0.9957	0.9830	0.0885
seismic_05%	0.9341	0.0659	0.9341	0.1696	0.4759
semeion_05%	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram_05%	0.8605	0.1395	0.8605	-0.0151	0.5048
sens-2-gram_05%	0.8789	0.1211	0.8789	0.1547	0.3573
sens-3-gram_05%	0.8763	0.1237	0.8763	0.1479	0.4234
sens-4-gram_05%	0.8737	0.1263	0.8737	0.1180	0.4289
sensorless_05%	0.9973	0.0005	0.9973	0.9970	0.0059
shoppers_05%	0.8994	0.1006	0.8994	0.5799	0.5559
shuttle_05%	0.9518	0.0099	0.9757	0.9733	0.0591

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9735	0.0265	0.9735	0.7369	0.0862
solar-flare_05%	0.7338	0.0887	0.7338	0.6594	0.2564
spambase_05%	0.9478	0.0522	0.9478	0.8901	0.2689
splice-EI_05%	0.9685	0.0315	0.9685	0.9178	0.2408
splice-IE_05%	0.9274	0.0726	0.9274	0.7982	0.4096
sport-articles_05%	0.8200	0.1800	0.8200	0.6095	0.6396
steel_industry_05%	0.8961	0.0575	0.8782	0.7976	0.2366
steel-b_05%	0.8513	0.1487	0.8513	0.5130	0.6362
steel-d_05%	0.9846	0.0154	0.9846	0.6597	0.0550
steel-k_05%	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o_05%	0.8308	0.1692	0.8308	0.6183	0.6176
steel-p_05%	0.9282	0.0718	0.9282	0.3829	0.5270
steel-s_05%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_05%	0.9744	0.0256	0.9744	0.8638	0.3518
swarm_aligned_05%	0.9479	0.0528	0.9455	0.9989	0.0116
swarm_flocking_05%	0.9572	0.0000	0.9895	0.9433	0.0454
swarm_grouped_05%	0.9658	0.0566	1.0000	0.9917	0.0097
texture_05%	0.9927	0.0013	0.9927	0.9920	0.0118
theorem_05%	0.9935	0.0065	0.9935	0.9866	0.0568
tis_05%	0.8806	0.0955	0.9207	0.7241	0.4133
titanic_05%	0.8182	0.1818	0.8182	0.5163	0.4251
tuandromd_05%	0.9821	0.0179	0.9821	0.9439	0.1494
wap-wc_05%	0.1090	0.0891	0.1090	-0.0142	0.4340
waveform_05%	0.8400	0.1067	0.8400	0.7600	0.3692
web-phishing_05%	0.8519	0.0988	0.8519	0.7376	0.4100
weight-lift_05%	0.9651	0.0115	0.9701	0.9779	0.0325
wifi-loc_05%	0.9900	0.0050	0.9900	0.9867	0.0215
wilt_05%	0.9855	0.0145	0.9855	0.8369	0.2405
winequality-red_05%	0.6918	0.1027	0.6918	0.5080	0.5325
winequality-white_05%	0.6708	0.0941	0.6708	0.4944	0.4534
yeast_05%	0.6014	0.0797	0.6014	0.4788	0.3094
yeastEXC_05%	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1_05%	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2_05%	0.9595	0.0405	0.9595	0.3825	0.4343
zip_05%	0.6469	0.0706	0.6469	0.4915	0.5573

Table 235: Detailed results for ExtraTree

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1583	0.0580	0.1583	0.0648	0.4547
abalone19_05%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_05%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_05%	0.9665	0.0335	0.9665	0.8515	0.2217
adult_05%	0.8552	0.1448	0.8552	0.5540	0.5795
AID_1431_05%	0.8924	0.1120	0.8644	-0.0143	0.2097
AID_1878_05%	0.7463	0.2279	0.7651	0.0181	0.7817
AID_602330_05%	0.9378	0.0678	0.9663	-0.0005	0.1651
AID1608Morered_05%	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red_05%	0.9320	0.0680	0.9320	-0.0169	0.5534
AID362red_05%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_05%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_05%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_05%	0.9963	0.0037	0.9963	-0.0002	0.1628
AID604AID644_AllRed_05%	0.9513	0.0494	1.0000	-0.0098	0.0414
AID687AID721red_05%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_05%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_05%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_05%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_05%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_05%	0.9777	0.0111	0.9777	0.9574	0.0540
anuran-genus_05%	0.9666	0.0083	0.9666	0.9444	0.0427
anuran-species_05%	0.9792	0.0042	0.9792	0.9709	0.0256
aps-failure_05%	0.9855	0.0145	0.9855	0.3253	0.0519
auction_05%	0.9657	0.0343	0.9657	0.8377	0.2742
avila_05%	0.6004	0.0666	0.6004	0.3920	0.2116
bank_05%	0.9109	0.0891	0.9109	0.4862	0.5682
banknote_05%	0.9927	0.0073	0.9927	0.9852	0.0564
barleyblumeria_05%	0.7811	0.2189	0.7811	0.4562	0.4396
basehock_05%	0.8894	0.1106	0.8894	0.7791	0.3322
biodeg_05%	0.8476	0.1524	0.8476	0.6640	0.5381
car_05%	0.9598	0.0201	0.9598	0.9164	0.1877
cardiotocography_05%	0.8216	0.0357	0.8216	0.7837	0.1765
cardiotocography-nsp_05%	0.9390	0.0407	0.9390	0.8152	0.0951
cargo2k_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_05%	0.4992	0.4702	0.5027	0.0271	0.5954
census10%_05%	0.9492	0.0508	0.9492	0.3264	0.3628
cjs_05%	0.9929	0.0024	0.9929	0.9913	0.0124
clave_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_05%	0.5782	0.2812	0.5782	0.3358	0.6484
cnae-9_05%	0.5278	0.1049	0.5278	0.4751	0.1865
codon_usage_05%	0.5691	0.0945	0.5775	0.4960	0.2661
coil20_05%	0.9792	0.0021	0.9792	0.9781	0.0120
connect-4_05%	0.9834	0.0111	0.9834	0.4270	0.0334
cottonmeloidogyne_05%	0.5409	0.4591	0.5409	0.0741	0.6743
coupon_05%	0.7256	0.2744	0.7256	0.4318	0.7857
covtypeCD_05%	0.9861	0.0139	0.9861	0.9394	0.1110
covtypeT_05%	0.9751	0.0249	0.9751	0.7877	0.2597
crowdsourced_05%	0.9051	0.0316	0.9051	0.7933	0.1788
default_05%	0.8253	0.1747	0.8253	0.3977	0.6503
deposit_05%	0.9031	0.0969	0.9031	0.4325	0.5726
diabetic10%_05%	0.5393	0.3071	0.5393	0.0000	0.3426
dropout_05%	0.7562	0.1625	0.7562	0.5853	0.4399

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3936	0.1733	0.3936	0.0011	0.3730
drug-02_05%	0.5160	0.1383	0.5160	0.0740	0.4869
drug-03_05%	0.6968	0.0866	0.6968	0.0270	0.1911
drug-04_05%	0.5319	0.1337	0.5319	0.0236	0.3986
drug-05_05%	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06_05%	0.4255	0.1641	0.4255	0.2623	0.4421
drug-07_05%	0.4309	0.1626	0.4309	0.0190	0.3689
drug-08_05%	0.5691	0.1231	0.5691	0.0923	0.3342
drug-09_05%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_05%	0.5479	0.1292	0.5479	0.1247	0.4429
drug-11_05%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_05%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_05%	0.6117	0.1109	0.6117	0.2286	0.3397
drug-14_05%	0.6277	0.1064	0.6277	0.3248	0.4166
drug-15_05%	0.7606	0.0684	0.7606	0.0149	0.1831
drug-16_05%	0.5851	0.1185	0.5851	0.3177	0.4341
drug-17_05%	0.4043	0.1702	0.4043	0.1581	0.4178
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.7713	0.0654	0.7713	0.0000	0.1604
drybean_05%	0.9265	0.0210	0.9265	0.9111	0.1222
eeg_05%	0.1541	0.1057	0.1541	0.0151	0.3777
eeg-eye_05%	0.6542	0.3458	0.6542	0.2503	0.5729
euthyroid_05%	0.9620	0.0380	0.9620	0.7723	0.3520
fbis-wc_05%	0.2073	0.0933	0.2073	0.0000	0.3511
fonts10%_05%	0.4028	0.0601	0.3573	0.3051	0.2928
gas_05%	0.9065	0.0312	0.9065	0.8869	0.0980
gender_05%	0.5895	0.2737	0.5895	0.0039	0.3341
gene_05%	0.9306	0.0463	0.9306	0.8888	0.1926
german_05%	0.7200	0.2800	0.7200	0.3120	0.7636
gina_05%	0.8530	0.1470	0.8530	0.7050	0.5170
hapt_05%	0.6688	0.0552	0.6688	0.6053	0.1305
hiv1-proteasa_05%	0.8853	0.1147	0.8853	0.5273	0.5442
hiva_05%	0.9574	0.0426	0.9574	0.0838	0.5641
htru2_05%	0.9788	0.0212	0.9788	0.8635	0.1889
hypothyroid_05%	0.9814	0.0093	0.9814	0.8830	0.1055
hypothyroidT_05%	0.9947	0.0053	0.9947	0.9614	0.0242
isolet_05%	0.6457	0.0273	0.6457	0.6315	0.1822
jm1_05%	0.8127	0.1873	0.8127	0.0631	0.3995
jvowels_05%	0.9548	0.0100	0.9548	0.9488	0.0668
kc1_05%	0.8626	0.1374	0.8626	0.2727	0.5332
krkopt_05%	0.6859	0.0349	0.6859	0.6468	0.3096
krvskp_05%	0.9875	0.0125	0.9875	0.9747	0.0922
la1s-wc_05%	0.3125	0.2750	0.3125	0.0000	0.3675
la2s-wc_05%	0.3149	0.2740	0.3149	0.0000	0.3621
letter_05%	0.6930	0.0236	0.6930	0.6810	0.1976
madelon_05%	0.4962	0.5038	0.4962	-0.0077	0.5821
magic04_05%	0.8327	0.1673	0.8327	0.6013	0.5182
maternal_05%	0.7723	0.1518	0.7723	0.6516	0.4341
messidor_05%	0.6174	0.3826	0.6174	0.2751	0.7639
mfeat-fac_05%	0.9400	0.0120	0.9400	0.9329	0.0706
mfeat-fou_05%	0.7700	0.0460	0.7700	0.7443	0.1350
mfeat-kar_05%	0.9200	0.0160	0.9200	0.9109	0.0937
mfeat-mor_05%	0.7200	0.0560	0.7200	0.6881	0.2137
mfeat-pix_05%	0.9550	0.0090	0.9550	0.9498	0.0547
mfeat-zer_05%	0.7350	0.0530	0.7350	0.7053	0.1906
mice-prot_05%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_05%	0.6678	0.0119	0.6678	0.6618	0.1249
mushroom_05%	0.9938	0.0062	0.9938	0.9673	0.1490

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.9258	0.0742	0.9258	0.6465	0.1923
MUT_ci300400a_05%	0.5697	0.4553	0.5601	0.0145	0.5339
MUT_ci300400a.cdk.ECFP2_05%	0.5604	0.4286	0.5466	0.0130	0.5487
myocardial_05%	0.8882	0.0279	0.8882	0.4318	0.0922
naticusdroid_05%	0.9543	0.0457	0.9543	0.9086	0.2411
newspop_05%	0.6216	0.3784	0.6216	0.2264	0.8889
NHANES_age_prediction_05%	0.9911	0.0287	0.9719	0.9781	0.0377
nomao_05%	0.9440	0.0560	0.9440	0.8616	0.3165
nursery_05%	0.9815	0.0074	0.9815	0.9654	0.0213
obs_05%	0.9907	0.0046	0.9907	0.9862	0.0146
occupancy_05%	0.9947	0.0053	0.9947	0.9850	0.0723
Occupancy_Estimation_05%	0.9495	0.0386	0.9911	0.9433	0.0671
oh0-wc_05%	0.2000	0.1600	0.2000	0.0000	0.3757
oh10-wc_05%	0.2000	0.1600	0.2000	0.0492	0.4380
optdigits_05%	0.9537	0.0093	0.9537	0.9486	0.0618
optdigitsZ_05%	0.9964	0.0036	0.9964	0.9776	0.0175
ozone1hr_05%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_05%	0.9328	0.0672	0.9328	0.1787	0.1695
P-Glycoprotein_b_Inhibitor_05%	0.8351	0.1602	0.8376	0.6535	0.5928
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.7993	0.1345	0.8024	0.6606	0.5441
p53-mutants10%_05%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_05%	0.9708	0.0117	0.9708	0.8193	0.1338
parkinson_05%	0.9833	0.0167	0.9833	0.9655	0.1178
pc1_05%	0.9369	0.0631	0.9369	0.3376	0.4605
pcmac_05%	0.5825	0.4175	0.5825	0.0041	0.5832
pendigits_05%	0.9818	0.0036	0.9818	0.9798	0.0277
phishing_05%	0.9551	0.0449	0.9551	0.9046	0.2206
phoneme_05%	0.8907	0.1093	0.8907	0.7193	0.4775
phy_05%	0.6576	0.3424	0.6576	0.3136	0.7921
polish-1st_05%	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd_05%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_05%	0.9514	0.0486	0.9514	-0.0019	0.2419
polish-4th_05%	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th_05%	0.9306	0.0694	0.9306	0.0403	0.2959
polya_05%	0.6454	0.3546	0.6454	0.0116	0.4778
popularity_05%	0.6310	0.2460	0.6310	-0.0005	0.2961
postures_05%	0.7197	0.1121	0.7197	0.6495	0.2676
re0-wc_05%	0.4067	0.0913	0.4067	0.0000	0.2775
re1-wc_05%	0.2303	0.0616	0.2303	0.0000	0.3286
rejafada_05%	1.0000	0.0000	1.0000	1.0000	0.0000
relathe_05%	0.9718	0.0282	0.9718	0.9433	0.1740
rocket_05%	0.6430	0.3570	0.6430	0.2319	0.8883
satimage_05%	0.8585	0.0472	0.8585	0.8231	0.1665
satimageF_05%	0.9907	0.0093	0.9907	0.9519	0.1413
satimageT_05%	0.9005	0.0995	0.9005	0.0273	0.2231
secom_05%	0.9423	0.0577	0.9423	0.1722	0.1514
secondary_mushroom_05%	0.6215	0.3905	0.6357	0.2645	0.5927
segment_05%	0.9740	0.0074	0.9740	0.9696	0.0368
segmentO_05%	1.0000	0.0000	1.0000	1.0000	0.0000
seismic_05%	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion_05%	0.9748	0.0252	0.9748	0.8528	0.2322
sens-1-gram_05%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_05%	0.8684	0.1316	0.8684	0.0286	0.3763
sens-3-gram_05%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram_05%	0.8658	0.1342	0.8658	-0.0052	0.3810
sensorless_05%	0.9903	0.0018	0.9903	0.9893	0.0176
shoppers_05%	0.8929	0.1071	0.8929	0.5507	0.5776
shuttle_05%	0.9988	0.0003	0.9988	0.9966	0.0019

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9655	0.0345	0.9655	0.6329	0.1049
solar-flare_05%	0.7626	0.0791	0.7626	0.6943	0.1857
spambase_05%	0.8957	0.1043	0.8957	0.7736	0.3667
splice-EI_05%	0.9685	0.0315	0.9685	0.9171	0.2344
splice-IE_05%	0.9401	0.0599	0.9401	0.8378	0.3749
sport-articles_05%	0.8300	0.1700	0.8300	0.6413	0.6178
steel_industry_05%	0.9044	0.1023	0.9036	0.7920	0.2517
steel-b_05%	0.8564	0.1436	0.8564	0.5251	0.6179
steel-d_05%	0.9846	0.0154	0.9846	0.6597	0.0550
steel-k_05%	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o_05%	0.7333	0.2667	0.7333	0.3091	0.6210
steel-p_05%	0.9179	0.0821	0.9179	0.0946	0.4184
steel-s_05%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_05%	0.9744	0.0256	0.9744	0.8576	0.3271
swarm_aligned_05%	0.9964	0.0242	1.0000	0.9703	0.0582
swarm_flocking_05%	1.0000	0.0414	0.9822	0.9894	0.0266
swarm_grouped_05%	0.9848	0.0372	0.9829	0.9530	0.0411
texture_05%	0.9673	0.0060	0.9673	0.9639	0.0430
theorem_05%	1.0000	0.0000	1.0000	1.0000	0.0000
tis_05%	0.8751	0.1249	0.8751	0.6495	0.5517
titanic_05%	0.8182	0.1818	0.8182	0.5163	0.4251
tuandromd_05%	0.9753	0.0247	0.9753	0.9225	0.1889
wap-wc_05%	0.2179	0.0782	0.2179	0.0000	0.3441
waveform_05%	0.8240	0.1173	0.8240	0.7360	0.3599
web-phishing_05%	0.8593	0.0938	0.8593	0.7507	0.3927
weight-lift_05%	0.4132	0.2347	0.4132	0.1952	0.3343
wifi-loc_05%	0.9900	0.0050	0.9900	0.9867	0.0215
wilt_05%	0.9855	0.0145	0.9855	0.8219	0.0533
winequality-red_05%	0.6478	0.1174	0.6478	0.4084	0.2877
winequality-white_05%	0.5174	0.1379	0.5174	0.1965	0.3763
yeast_05%	0.5608	0.0878	0.5608	0.4351	0.3111
yeastEXC_05%	0.9595	0.0405	0.9595	-0.0183	0.6136
yeastME1_05%	0.9865	0.0135	0.9865	0.6605	0.0495
yeastME2_05%	0.9595	0.0405	0.9595	0.2410	0.1164
zip_05%	0.6168	0.0766	0.6168	0.4494	0.5903

Table 236: Detailed results for HistGradientBoostingTrees

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1583	0.0580	0.1583	0.0798	0.6003
abalone19_05%	0.9880	0.0120	0.9880	-0.0058	0.5581
accelerometer_05%	0.9825	0.0175	0.9825	0.1947	0.3590
ads_05%	0.9756	0.0244	0.9756	0.8950	0.1934
adult_05%	0.8653	0.1347	0.8653	0.6032	0.5797
AID_1431_05%	0.8826	0.0982	0.8806	-0.0391	0.2212
AID_1878_05%	0.8374	0.1651	0.8353	0.2800	0.6530
AID_602330_05%	0.9407	0.0816	0.9116	-0.0003	0.4825
AID1608Moredred_05%	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red_05%	0.9223	0.0777	0.9223	-0.0300	0.6529
AID362red_05%	0.9813	0.0187	0.9813	-0.0071	0.5505
AID373AID439red_05%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_05%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_05%	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed_05%	0.9973	0.0108	0.9804	0.0460	0.3725
AID687AID721red_05%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_05%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_05%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_05%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_05%	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family_05%	0.9847	0.0076	0.9847	0.9707	0.0348
anuran-genus_05%	0.9819	0.0045	0.9819	0.9702	0.0739
anuran-species_05%	0.9889	0.0022	0.9889	0.9845	0.0347
aps-failure_05%	0.9453	0.0665	0.9328	0.7793	0.2628
auction_05%	0.9853	0.0147	0.9853	0.9349	0.2023
avila_05%	0.9952	0.0008	0.9952	0.9938	0.0577
bank_05%	0.9150	0.0850	0.9150	0.5394	0.5700
banknote_05%	0.9781	0.0219	0.9781	0.9557	0.1446
barleyblumeria_05%	0.9055	0.0945	0.9055	0.7881	0.3788
basehock_05%	0.9397	0.0603	0.9397	0.8794	0.3033
biodeg_05%	0.8667	0.1333	0.8667	0.7146	0.5298
car_05%	0.9713	0.0144	0.9713	0.9395	0.1641
cardiotocography_05%	0.8779	0.0244	0.8779	0.8536	0.1326
cardiotocography-nsp_05%	0.9343	0.0438	0.9343	0.8114	0.2531
cargo2k_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_05%	0.7636	0.2796	0.7200	0.4691	0.7263
census10%_05%	0.9539	0.0461	0.9539	0.4638	0.4244
cjs_05%	0.9929	0.0024	0.9929	0.9913	0.0135
clave_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_05%	0.5578	0.2948	0.5578	0.3058	0.6964
cnae-9_05%	0.8241	0.0391	0.8241	0.8009	0.1608
codon_usage_05%	0.8651	0.0712	0.9000	0.8318	0.2316
coil20_05%	0.9931	0.0007	0.9931	0.9927	0.0052
connect-4_05%	0.9948	0.0035	0.9948	0.8717	0.0374
cottonmeloidogyne_05%	0.7981	0.2019	0.7981	0.5963	0.6666
coupon_05%	0.7539	0.2461	0.7539	0.4933	0.7455
covtypeCD_05%	0.9648	0.0172	0.9616	0.9687	0.1014
covtypeT_05%	0.9842	0.0158	0.9842	0.8722	0.2083
crowdsourced_05%	0.9548	0.0151	0.9548	0.9066	0.1157
default_05%	0.8257	0.1743	0.8257	0.4061	0.6575
deposit_05%	0.9049	0.0951	0.9049	0.4913	0.5957
diabetic10%_05%	0.5678	0.2881	0.5678	0.1813	0.6618
dropout_05%	0.7698	0.1535	0.7698	0.6178	0.4654

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3245	0.1930	0.3245	0.0034	0.6749
drug-02_05%	0.4840	0.1474	0.4840	0.1201	0.6844
drug-03_05%	0.6330	0.1049	0.6330	0.0628	0.5015
drug-04_05%	0.5000	0.1429	0.5000	0.1149	0.7216
drug-05_05%	0.7128	0.0821	0.7128	0.0267	0.3734
drug-06_05%	0.3351	0.1900	0.3351	0.1747	0.6715
drug-07_05%	0.3989	0.1717	0.3989	0.0312	0.5123
drug-08_05%	0.5053	0.1413	0.5053	0.1477	0.6814
drug-09_05%	0.8670	0.0380	0.8670	0.1416	0.2375
drug-10_05%	0.4947	0.1444	0.4947	0.1236	0.6287
drug-11_05%	0.8191	0.0517	0.8191	0.0131	0.4848
drug-12_05%	0.7606	0.0684	0.7606	0.0735	0.4922
drug-13_05%	0.5745	0.1216	0.5745	0.2166	0.4989
drug-14_05%	0.5585	0.1261	0.5585	0.2480	0.6275
drug-15_05%	0.7447	0.0729	0.7447	0.1025	0.5517
drug-16_05%	0.5638	0.1246	0.5638	0.2670	0.5379
drug-17_05%	0.3564	0.1839	0.3564	0.1553	0.7099
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.7660	0.0669	0.7660	0.1535	0.3455
drybean_05%	0.9280	0.0206	0.9280	0.9129	0.1189
eeg_05%	0.5540	0.0558	0.5540	0.5049	0.5372
eeg-eye_05%	0.8812	0.1188	0.8812	0.7581	0.4742
euthyroid_05%	0.9589	0.0411	0.9589	0.7708	0.4215
fbis-wc_05%	0.1992	0.0942	0.1992	-0.0065	0.3992
fonts10%_05%	0.3676	0.0391	0.3903	0.3545	1.0000
gas_05%	0.9921	0.0026	0.9921	0.9904	0.0200
gender_05%	0.5600	0.2933	0.5600	0.0788	0.6155
gene_05%	0.9274	0.0484	0.9274	0.8831	0.2134
german_05%	0.7300	0.2700	0.7300	0.3317	0.7314
gina_05%	0.9539	0.0461	0.9539	0.9078	0.2489
hapt_05%	0.9744	0.0043	0.9744	0.9697	0.0278
hiv1-proteasa_05%	0.9005	0.0995	0.9005	0.6163	0.5265
hiva_05%	0.9574	0.0426	0.9574	0.0838	0.5641
htru2_05%	0.9788	0.0212	0.9788	0.8681	0.2432
hypothyroid_05%	0.9841	0.0080	0.9841	0.9101	0.1879
hypothyroidT_05%	0.9973	0.0027	0.9973	0.9816	0.0997
isolet_05%	0.9358	0.0049	0.9358	0.9332	0.0575
jm1_05%	0.8191	0.1809	0.8191	0.2459	0.6660
jvowels_05%	0.9839	0.0036	0.9839	0.9818	0.0294
kc1_05%	0.8483	0.1517	0.8483	0.3052	0.6871
krkopt_05%	0.7922	0.0231	0.7922	0.7669	0.2482
krvskp_05%	0.9812	0.0188	0.9812	0.9621	0.1272
la1s-wc_05%	0.3187	0.2725	0.3187	0.0160	0.4616
la2s-wc_05%	0.3084	0.2766	0.3084	-0.0039	0.4629
letter_05%	0.9355	0.0050	0.9355	0.9329	0.0752
madelon_05%	0.8077	0.1923	0.8077	0.6154	0.6459
magic04_05%	0.8790	0.1210	0.8790	0.7267	0.4867
maternal_05%	0.8416	0.1056	0.8416	0.7596	0.3413
messidor_05%	0.7304	0.2696	0.7304	0.4451	0.7802
mfeat-fac_05%	0.9700	0.0060	0.9700	0.9665	0.0369
mfeat-fou_05%	0.8450	0.0310	0.8450	0.8269	0.1200
mfeat-kar_05%	0.9400	0.0120	0.9400	0.9332	0.0761
mfeat-mor_05%	0.6600	0.0680	0.6600	0.6216	0.2719
mfeat-pix_05%	0.9750	0.0050	0.9750	0.9721	0.0306
mfeat-zer_05%	0.8200	0.0360	0.8200	0.7995	0.0905
mice-prot_05%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_05%	0.9371	0.0022	0.9371	0.9359	0.0295
mushroom_05%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.9682	0.0318	0.9682	0.8671	0.1064
MUT_ci300400a_05%	0.7944	0.1779	0.8183	0.6408	0.6151
MUT_ci300400a.cdk.ECFP2_05%	0.8129	0.2303	0.7875	0.6040	0.6798
myocardial_05%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_05%	0.9673	0.0327	0.9673	0.9345	0.1942
newspop_05%	0.6703	0.3297	0.6703	0.3346	0.8570
NHANES_age_prediction_05%	0.9808	0.0412	0.9949	0.9867	0.0318
nomao_05%	0.9640	0.0360	0.9640	0.9113	0.2293
nursery_05%	0.9985	0.0006	0.9985	0.9972	0.0018
obs_05%	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy_05%	0.9937	0.0063	0.9937	0.9823	0.0783
Occupancy_Estimation_05%	0.9973	0.0149	0.9385	0.9836	0.0416
oh0-wc_05%	0.1700	0.1660	0.1700	-0.0085	0.5096
oh10-wc_05%	0.2095	0.1581	0.2095	0.0610	0.4593
optdigits_05%	0.9662	0.0068	0.9662	0.9624	0.0479
optdigitsZ_05%	0.9964	0.0036	0.9964	0.9776	0.0175
ozone1hr_05%	0.9644	0.0356	0.9644	0.1711	0.4107
ozone8hr_05%	0.9170	0.0830	0.9170	0.1860	0.6144
P-Glycoprotein_b_Inhibitor_05%	0.8129	0.1840	0.8396	0.6258	0.6397
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.8207	0.1279	0.8441	0.7369	0.5746
p53-mutants10%_05%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_05%	0.9835	0.0066	0.9835	0.9057	0.1114
parkinson_05%	0.9917	0.0083	0.9917	0.9827	0.0501
pc1_05%	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac_05%	0.5000	0.5000	0.5000	-0.0481	1.0000
pendigits_05%	0.9882	0.0024	0.9882	0.9868	0.0220
phishing_05%	0.9633	0.0367	0.9633	0.9225	0.2075
phoneme_05%	0.8981	0.1019	0.8981	0.7447	0.4743
phy_05%	0.7402	0.2992	0.7450	0.4178	0.7918
polish-1st_05%	0.9815	0.0185	0.9815	0.6744	0.0639
polish-2nd_05%	0.9695	0.0305	0.9695	0.4431	0.3536
polish-3rd_05%	0.9600	0.0400	0.9600	0.3486	0.3524
polish-4th_05%	0.9735	0.0265	0.9735	0.6976	0.3305
polish-5th_05%	0.9628	0.0372	0.9628	0.6482	0.3027
polya_05%	0.8032	0.1968	0.8032	0.5571	0.6666
popularity_05%	0.6881	0.2081	0.6400	0.2445	0.5148
postures_05%	0.9931	0.0028	0.9931	0.9914	0.0207
re0-wc_05%	0.4067	0.0913	0.4067	0.0000	0.2775
re1-wc_05%	0.2242	0.0621	0.2242	-0.0072	0.3569
rejafada_05%	1.0000	0.0000	1.0000	1.0000	0.0000
relathe_05%	1.0000	0.0000	1.0000	1.0000	0.0000
rocket_05%	0.7141	0.2859	0.7141	0.4064	0.8091
satimage_05%	0.9129	0.0290	0.9129	0.8924	0.1408
satimageF_05%	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT_05%	0.9378	0.0622	0.9378	0.6097	0.4607
secom_05%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_05%	0.9634	0.0225	0.9651	0.9874	0.0263
segment_05%	0.9654	0.0099	0.9654	0.9595	0.0387
segmentO_05%	0.9913	0.0087	0.9913	0.9663	0.1466
seismic_05%	0.9186	0.0814	0.9186	0.1230	0.6479
semeion_05%	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram_05%	0.8579	0.1421	0.8579	0.0587	0.6232
sens-2-gram_05%	0.8816	0.1184	0.8816	0.2447	0.4930
sens-3-gram_05%	0.8737	0.1263	0.8737	0.2232	0.5844
sens-4-gram_05%	0.8737	0.1263	0.8737	0.1633	0.5114
sensorless_05%	0.9950	0.0009	0.9950	0.9945	0.0109
shoppers_05%	0.8978	0.1022	0.8978	0.5711	0.5599
shuttle_05%	0.9391	0.0485	1.0000	0.9365	0.1895

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9761	0.0239	0.9761	0.7875	0.2654
solar-flare_05%	0.7698	0.0767	0.7698	0.7069	0.2357
spambase_05%	0.9391	0.0609	0.9391	0.8725	0.3126
splice-EI_05%	0.9716	0.0284	0.9716	0.9263	0.2270
splice-IE_05%	0.9495	0.0505	0.9495	0.8615	0.3301
sport-articles_05%	0.8400	0.1600	0.8400	0.6490	0.5884
steel_industry_05%	0.8628	0.0645	0.8859	0.8233	0.2413
steel-b_05%	0.8564	0.1436	0.8564	0.5431	0.6314
steel-d_05%	0.9846	0.0154	0.9846	0.7194	0.3544
steel-k_05%	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o_05%	0.8205	0.1795	0.8205	0.5923	0.6360
steel-p_05%	0.9385	0.0615	0.9385	0.5668	0.5414
steel-s_05%	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z_05%	0.9692	0.0308	0.9692	0.8329	0.3748
swarm_aligned_05%	0.9482	0.0069	0.9492	0.9441	0.0000
swarm_flocking_05%	0.9876	0.0121	0.9886	0.9538	0.0284
swarm_grouped_05%	0.9479	0.0058	0.9486	0.9414	0.0189
texture_05%	0.9873	0.0023	0.9873	0.9860	0.0200
theorem_05%	0.9967	0.0033	0.9967	0.9933	0.0312
tis_05%	0.9122	0.0870	0.9064	0.7552	0.4243
titanic_05%	0.8182	0.1818	0.8182	0.5163	0.4251
tuandromd_05%	0.9821	0.0179	0.9821	0.9439	0.1494
wap-wc_05%	0.2115	0.0788	0.2115	-0.0014	0.3830
waveform_05%	0.8420	0.1053	0.8420	0.7630	0.3658
web-phishing_05%	0.8370	0.1086	0.8370	0.7109	0.4159
weight-lift_05%	0.9850	0.0103	0.9671	0.9626	0.0462
wifi-loc_05%	0.9700	0.0150	0.9700	0.9600	0.0630
wilt_05%	0.9772	0.0228	0.9772	0.7723	0.4275
winequality-red_05%	0.6981	0.1006	0.6981	0.5156	0.5521
winequality-white_05%	0.6708	0.0941	0.6708	0.4975	0.4639
yeast_05%	0.5608	0.0878	0.5608	0.4243	0.3661
yeastEXC_05%	0.9595	0.0405	0.9595	0.3799	0.5788
yeastME1_05%	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2_05%	0.9392	0.0608	0.9392	0.2761	0.6261
zip_05%	0.6706	0.0659	0.6706	0.5244	0.5316

Table 237: Detailed results for HybridGB

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1607	0.0579	0.1607	0.0795	0.5552
abalone19_05%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_05%	0.9844	0.0156	0.9844	0.2387	0.1459
ads_05%	0.9726	0.0274	0.9726	0.8785	0.1617
adult_05%	0.8677	0.1323	0.8677	0.6037	0.5612
AID_1431_05%	0.8739	0.0933	0.8979	-0.0063	0.2022
AID_1878_05%	0.7951	0.1714	0.7804	0.1397	0.6556
AID_602330_05%	0.9237	0.0528	0.9060	-0.0011	0.4620
AID1608Mored_05%	0.8835	0.1165	0.8835	-0.0600	0.6992
AID1608red_05%	0.9320	0.0680	0.9320	-0.0169	0.5534
AID362red_05%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_05%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_05%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_05%	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed_05%	0.9896	0.0355	0.9887	0.0990	0.5025
AID687AID721red_05%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_05%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_05%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_05%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_05%	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family_05%	0.9805	0.0097	0.9805	0.9627	0.0446
anuran-genus_05%	0.9833	0.0042	0.9833	0.9725	0.0647
anuran-species_05%	0.9847	0.0031	0.9847	0.9787	0.0216
aps-failure_05%	0.9728	0.0511	0.9994	0.7429	0.2729
auction_05%	0.9902	0.0098	0.9902	0.9559	0.1334
avila_05%	0.9890	0.0018	0.9890	0.9857	0.0686
bank_05%	0.9153	0.0847	0.9153	0.5422	0.5698
banknote_05%	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria_05%	0.9009	0.0991	0.9009	0.7771	0.3881
basehock_05%	0.9548	0.0452	0.9548	0.9096	0.2220
biodeg_05%	0.9238	0.0762	0.9238	0.8385	0.3706
car_05%	0.9713	0.0144	0.9713	0.9392	0.0834
cardiotocography_05%	0.8685	0.0263	0.8685	0.8423	0.1581
cardiotocography-nsp_05%	0.9390	0.0407	0.9390	0.8265	0.2349
cargo2k_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_05%	0.7500	0.2770	0.7437	0.4705	0.7871
census10%_05%	0.9549	0.0451	0.9549	0.4588	0.3821
cjs_05%	0.9929	0.0024	0.9929	0.9913	0.0135
clave_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_05%	0.5306	0.3129	0.5306	0.2685	0.6985
cnae-9_05%	0.8981	0.0226	0.8981	0.8847	0.0831
codon_usage_05%	0.8774	0.0565	0.9039	0.8626	0.1386
coil20_05%	0.9931	0.0007	0.9931	0.9927	0.0052
connect-4_05%	0.9853	0.0098	0.9853	0.5263	0.0304
cottonmeloidogyne_05%	0.7885	0.2115	0.7885	0.5772	0.6816
coupon_05%	0.7429	0.2571	0.7429	0.4699	0.7622
covtypeCD_05%	0.9910	0.0164	0.9468	0.9273	0.1479
covtypeT_05%	0.9782	0.0218	0.9782	0.8184	0.2478
crowdsourced_05%	0.9429	0.0190	0.9429	0.8806	0.1293
default_05%	0.8247	0.1753	0.8247	0.3946	0.6515
deposit_05%	0.9062	0.0938	0.9062	0.4665	0.5708
diabetic10%_05%	0.5747	0.2836	0.5747	0.1646	0.5941
dropout_05%	0.7698	0.1535	0.7698	0.6137	0.4519

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3351	0.1900	0.3351	0.0034	0.6693
drug-02_05%	0.5053	0.1413	0.5053	0.1334	0.6509
drug-03_05%	0.6649	0.0957	0.6649	0.1094	0.3946
drug-04_05%	0.5213	0.1368	0.5213	0.1479	0.5965
drug-05_05%	0.7287	0.0775	0.7287	-0.0081	0.2227
drug-06_05%	0.3989	0.1717	0.3989	0.2416	0.5585
drug-07_05%	0.4309	0.1626	0.4309	0.0603	0.4496
drug-08_05%	0.5479	0.1292	0.5479	0.1757	0.5043
drug-09_05%	0.8670	0.0380	0.8670	0.0902	0.2178
drug-10_05%	0.5266	0.1353	0.5266	0.1523	0.6729
drug-11_05%	0.8404	0.0456	0.8404	0.0392	0.3263
drug-12_05%	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13_05%	0.6011	0.1140	0.6011	0.2035	0.4320
drug-14_05%	0.6117	0.1109	0.6117	0.3287	0.5314
drug-15_05%	0.7553	0.0699	0.7553	0.1152	0.4456
drug-16_05%	0.5798	0.1201	0.5798	0.3010	0.5725
drug-17_05%	0.3830	0.1763	0.3830	0.1689	0.6588
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.7819	0.0623	0.7819	0.1275	0.2053
drybean_05%	0.9280	0.0206	0.9280	0.9129	0.1188
eeg_05%	0.5307	0.0587	0.5307	0.4788	0.5515
eeg-eye_05%	0.8491	0.1509	0.8491	0.6920	0.5494
euthyroid_05%	0.9715	0.0285	0.9715	0.8318	0.2874
fbis-wc_05%	0.1992	0.0942	0.1992	-0.0065	0.3992
fonts10%_05%	0.0840	0.0077	0.1030	0.0109	0.6820
gas_05%	0.9892	0.0036	0.9892	0.9869	0.0262
gender_05%	0.5874	0.2751	0.5874	0.1195	0.5471
gene_05%	0.9558	0.0294	0.9558	0.9293	0.1367
german_05%	0.7100	0.2900	0.7100	0.2822	0.7745
gina_05%	0.9568	0.0432	0.9568	0.9135	0.2382
hapt_05%	0.9570	0.0072	0.9570	0.9491	0.0435
hiv1-proteasa_05%	0.8921	0.1079	0.8921	0.5510	0.5057
hiva_05%	0.9622	0.0378	0.9622	0.1005	0.4517
htru2_05%	0.9782	0.0218	0.9782	0.8635	0.2376
hypothyroid_05%	0.9920	0.0040	0.9920	0.9519	0.0836
hypothyroidT_05%	0.9973	0.0027	0.9973	0.9816	0.0997
isolet_05%	0.9191	0.0062	0.9191	0.9159	0.0729
jm1_05%	0.8191	0.1809	0.8191	0.1847	0.5855
jvowels_05%	0.9759	0.0054	0.9759	0.9727	0.0430
kc1_05%	0.8531	0.1469	0.8531	0.3368	0.6769
krkopt_05%	0.7119	0.0320	0.7119	0.6759	0.2804
krvskp_05%	0.9812	0.0188	0.9812	0.9622	0.1275
la1s-wc_05%	0.3156	0.2737	0.3156	0.0116	0.4639
la2s-wc_05%	0.3052	0.2779	0.3052	-0.0082	0.4834
letter_05%	0.9360	0.0049	0.9360	0.9334	0.0740
madelon_05%	0.8269	0.1731	0.8269	0.6538	0.6055
magic04_05%	0.8774	0.1226	0.8774	0.7207	0.4774
maternal_05%	0.8020	0.1320	0.8020	0.6977	0.3989
messidor_05%	0.6783	0.3217	0.6783	0.3469	0.8499
mfeat-fac_05%	0.9600	0.0080	0.9600	0.9553	0.0476
mfeat-fou_05%	0.8450	0.0310	0.8450	0.8269	0.1139
mfeat-kar_05%	0.9600	0.0080	0.9600	0.9555	0.0523
mfeat-mor_05%	0.6650	0.0670	0.6650	0.6270	0.2690
mfeat-pix_05%	0.9700	0.0060	0.9700	0.9665	0.0409
mfeat-zer_05%	0.8000	0.0400	0.8000	0.7773	0.1275
mice-prot_05%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_05%	0.8951	0.0037	0.8951	0.8932	0.0483
mushroom_05%	0.9963	0.0037	0.9963	0.9802	0.1032

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.9545	0.0455	0.9545	0.8023	0.1376
MUT_ci300400a_05%	0.8249	0.1814	0.8450	0.6654	0.6231
MUT_ci300400a.cdk.ECFP2_05%	0.7560	0.2556	0.7613	0.5539	0.6815
myocardial_05%	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid_05%	0.9652	0.0348	0.9652	0.9304	0.2016
newspop_05%	0.6693	0.3307	0.6693	0.3320	0.8575
NHANES_age_prediction_05%	0.9593	0.0159	0.9489	0.9774	0.0215
nomao_05%	0.9594	0.0406	0.9594	0.9001	0.2541
nursery_05%	0.9769	0.0093	0.9769	0.9565	0.0251
obs_05%	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy_05%	0.9927	0.0073	0.9927	0.9796	0.0907
Occupancy_Estimation_05%	0.9400	0.0432	0.9509	0.9463	0.0328
oh0-wc_05%	0.1700	0.1660	0.1700	-0.0115	0.5026
oh10-wc_05%	0.2095	0.1581	0.2095	0.0610	0.4593
optdigits_05%	0.9626	0.0075	0.9626	0.9585	0.0537
optdigitsZ_05%	0.9964	0.0036	0.9964	0.9776	0.0175
ozone1hr_05%	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr_05%	0.9209	0.0791	0.9209	0.1397	0.5452
P-Glycoprotein_b_Inhibitor_05%	0.7987	0.1887	0.8206	0.5934	0.6288
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.8745	0.1196	0.8904	0.7665	0.4537
p53-mutants10%_05%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_05%	0.9817	0.0073	0.9817	0.8942	0.1151
parkinson_05%	1.0000	0.0000	1.0000	1.0000	0.0000
pc1_05%	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac_05%	0.4845	0.5155	0.4845	-0.1184	1.0000
pendigits_05%	0.9845	0.0031	0.9845	0.9828	0.0287
phishing_05%	0.9714	0.0286	0.9714	0.9397	0.1676
phoneme_05%	0.8889	0.1111	0.8889	0.7253	0.5090
phy_05%	0.7205	0.3004	0.7383	0.4515	0.8099
polish-1st_05%	0.9815	0.0185	0.9815	0.6888	0.1863
polish-2nd_05%	0.9695	0.0305	0.9695	0.3581	0.0937
polish-3rd_05%	0.9590	0.0410	0.9590	0.3038	0.3205
polish-4th_05%	0.9724	0.0276	0.9724	0.6613	0.2536
polish-5th_05%	0.9594	0.0406	0.9594	0.6162	0.3491
polya_05%	0.7795	0.2205	0.7795	0.4980	0.7063
popularity_05%	0.6755	0.2218	0.6535	0.2553	0.4614
postures_05%	0.9818	0.0073	0.9818	0.9773	0.0480
re0-wc_05%	0.4133	0.0903	0.4133	0.0155	0.2770
re1-wc_05%	0.2242	0.0621	0.2242	-0.0072	0.3569
rejafada_05%	1.0000	0.0000	1.0000	1.0000	0.0000
relathe_05%	1.0000	0.0000	1.0000	1.0000	0.0000
rocket_05%	0.6981	0.3019	0.6981	0.3659	0.8300
satimage_05%	0.9020	0.0327	0.9020	0.8787	0.1505
satimageF_05%	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT_05%	0.9347	0.0653	0.9347	0.5702	0.4464
secom_05%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_05%	0.9929	0.0592	0.9560	0.9843	0.1037
segment_05%	0.9697	0.0087	0.9697	0.9646	0.0337
segmentO_05%	0.9957	0.0043	0.9957	0.9830	0.0885
seismic_05%	0.9341	0.0659	0.9341	0.1696	0.4759
semeion_05%	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram_05%	0.8658	0.1342	0.8658	0.0232	0.4453
sens-2-gram_05%	0.8842	0.1158	0.8842	0.2128	0.3478
sens-3-gram_05%	0.8763	0.1237	0.8763	0.1701	0.4692
sens-4-gram_05%	0.8711	0.1289	0.8711	0.1348	0.5175
sensorless_05%	0.9918	0.0015	0.9918	0.9910	0.0166
shoppers_05%	0.9011	0.0989	0.9011	0.5847	0.5476
shuttle_05%	0.8993	0.0055	0.9421	0.8020	0.2966

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9761	0.0239	0.9761	0.7685	0.0796
solar-flare_05%	0.7626	0.0791	0.7626	0.6956	0.2256
spambase_05%	0.9348	0.0652	0.9348	0.8623	0.3158
splice-EI_05%	0.9653	0.0347	0.9653	0.9099	0.2583
splice-IE_05%	0.9527	0.0473	0.9527	0.8696	0.3131
sport-articles_05%	0.8500	0.1500	0.8500	0.6728	0.5692
steel_industry_05%	0.8965	0.0665	0.8640	0.8382	0.2482
steel-b_05%	0.8513	0.1487	0.8513	0.5398	0.6486
steel-d_05%	0.9846	0.0154	0.9846	0.7194	0.3544
steel-k_05%	0.9897	0.0103	0.9897	0.9680	0.0467
steel-o_05%	0.8000	0.2000	0.8000	0.5489	0.6823
steel-p_05%	0.9333	0.0667	0.9333	0.4474	0.5093
steel-s_05%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_05%	0.9846	0.0154	0.9846	0.9104	0.1831
swarm_aligned_05%	0.9954	0.0349	0.9724	0.9616	0.0000
swarm_flocking_05%	0.9544	0.0107	0.9728	1.0000	0.0430
swarm_grouped_05%	0.9610	0.0394	0.9811	0.9582	0.0267
texture_05%	0.9891	0.0020	0.9891	0.9880	0.0172
theorem_05%	1.0000	0.0000	1.0000	1.0000	0.0000
tis_05%	0.9019	0.1149	0.8861	0.7909	0.4183
titanic_05%	0.8182	0.1818	0.8182	0.5163	0.4251
tuandromd_05%	0.9798	0.0202	0.9798	0.9376	0.1851
wap-wc_05%	0.2115	0.0788	0.2115	-0.0027	0.3837
waveform_05%	0.8320	0.1120	0.8320	0.7481	0.3802
web-phishing_05%	0.8593	0.0938	0.8593	0.7504	0.3891
weight-lift_05%	0.9894	0.0162	0.9683	0.9606	0.0322
wifi-loc_05%	0.9750	0.0125	0.9750	0.9667	0.0548
wilt_05%	0.9834	0.0166	0.9834	0.8096	0.2500
winequality-red_05%	0.6792	0.1069	0.6792	0.4887	0.5371
winequality-white_05%	0.6074	0.1122	0.6074	0.3892	0.4516
yeast_05%	0.5743	0.0851	0.5743	0.4410	0.3181
yeastEXC_05%	0.9730	0.0270	0.9730	0.4861	0.5498
yeastME1_05%	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2_05%	0.9662	0.0338	0.9662	0.4325	0.1018
zip_05%	0.6760	0.0648	0.6760	0.5381	0.5315

Table 238: Detailed results for DiscreteAdaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1007	0.0620	0.1007	0.0353	0.4895
abalone19_05%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_05%	0.9816	0.0184	0.9816	-0.0012	0.2266
ads_05%	0.9665	0.0335	0.9665	0.8570	0.2794
adult_05%	0.8602	0.1398	0.8602	0.5734	0.5717
AID_1431_05%	0.8752	0.1334	0.9169	0.1062	0.4873
AID_1878_05%	0.7602	0.2124	0.7338	-0.0418	0.7607
AID_602330_05%	0.9368	0.0978	0.9349	-0.0230	0.4610
AID1608Morered_05%	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red_05%	0.9320	0.0680	0.9320	-0.0169	0.5534
AID362red_05%	0.9813	0.0187	0.9813	-0.0071	0.5505
AID373AID439red_05%	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_05%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_05%	0.9959	0.0041	0.9959	-0.0009	0.3962
AID604AID644_AllRed_05%	0.9482	0.0012	0.9684	0.1717	0.5275
AID687AID721red_05%	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red_05%	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red_05%	0.9904	0.0096	0.9904	-0.0007	0.2166
AID746AID1284red_05%	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red_05%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_05%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_05%	0.9444	0.0278	0.9444	0.8936	0.2476
anuran-genus_05%	0.9666	0.0083	0.9666	0.9444	0.0844
anuran-species_05%	0.9583	0.0083	0.9583	0.9419	0.0820
aps-failure_05%	0.9855	0.0145	0.9855	0.3409	0.1273
auction_05%	0.9755	0.0245	0.9755	0.8841	0.1869
avila_05%	0.7935	0.0344	0.7935	0.7226	0.2431
bank_05%	0.9065	0.0935	0.9065	0.4724	0.5933
banknote_05%	0.9854	0.0146	0.9854	0.9704	0.1045
barleyblumeria_05%	0.8364	0.1636	0.8364	0.6155	0.4825
basehock_05%	0.9246	0.0754	0.9246	0.8492	0.3563
biodeg_05%	0.8667	0.1333	0.8667	0.7118	0.5200
car_05%	0.9540	0.0230	0.9540	0.9047	0.2752
cardiotocography_05%	0.8592	0.0282	0.8592	0.8311	0.1703
cardiotocography-nsp_05%	0.9155	0.0563	0.9155	0.7617	0.3354
cargo2k_05%	0.9898	0.0068	0.9898	0.9848	0.0346
cas_N6512_cdk_ECFP2_05%	0.5619	0.4757	0.5703	0.0008	0.6388
census10%_05%	0.9465	0.0535	0.9465	0.3124	0.4374
cjs_05%	0.9821	0.0060	0.9821	0.9782	0.0394
clave_05%	0.9917	0.0083	0.9917	0.9705	0.1263
cmc_05%	0.5510	0.2993	0.5510	0.2954	0.6916
cnae-9_05%	0.8704	0.0288	0.8704	0.8528	0.1347
codon_usage_05%	0.6738	0.1065	0.6664	0.6188	0.4147
coil20_05%	1.0000	0.0000	1.0000	1.0000	0.0000
connect-4_05%	0.9821	0.0119	0.9821	0.4655	0.3255
cottonmeloidogyne_05%	0.5865	0.4135	0.5865	0.1676	0.7541
coupon_05%	0.7271	0.2729	0.7271	0.4376	0.7862
covtypeCD_05%	0.9647	0.0353	0.9647	0.8394	0.2335
covtypeT_05%	0.9696	0.0304	0.9696	0.7466	0.3485
crowdsourced_05%	0.8774	0.0409	0.8774	0.7325	0.2483
default_05%	0.8243	0.1757	0.8243	0.3771	0.6307
deposit_05%	0.9007	0.0993	0.9007	0.4410	0.5983
diabetic10%_05%	0.5334	0.3111	0.5334	-0.0040	0.4228
dropout_05%	0.7133	0.1911	0.7133	0.5115	0.5373

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3032	0.1991	0.3032	0.0439	0.7495
drug-02_05%	0.5000	0.1429	0.5000	0.1665	0.6733
drug-03_05%	0.6383	0.1033	0.6383	0.0317	0.4884
drug-04_05%	0.4468	0.1581	0.4468	0.0896	0.8281
drug-05_05%	0.7181	0.0805	0.7181	0.0499	0.3727
drug-06_05%	0.4043	0.1702	0.4043	0.2553	0.6083
drug-07_05%	0.3032	0.1991	0.3032	-0.0139	0.5760
drug-08_05%	0.4947	0.1444	0.4947	0.0937	0.6252
drug-09_05%	0.8457	0.0441	0.8457	-0.0265	0.3448
drug-10_05%	0.5479	0.1292	0.5479	0.2219	0.5812
drug-11_05%	0.8245	0.0502	0.8245	0.0864	0.4576
drug-12_05%	0.7606	0.0684	0.7606	-0.0039	0.4868
drug-13_05%	0.5638	0.1246	0.5638	0.2448	0.5678
drug-14_05%	0.5638	0.1246	0.5638	0.2566	0.6389
drug-15_05%	0.7074	0.0836	0.7074	0.1598	0.7187
drug-16_05%	0.5798	0.1201	0.5798	0.3454	0.5653
drug-17_05%	0.3138	0.1960	0.3138	0.1082	0.7291
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.7287	0.0775	0.7287	0.0111	0.4425
drybean_05%	0.9089	0.0260	0.9089	0.8898	0.1523
eeg_05%	0.2164	0.0980	0.2164	0.1616	0.6209
eeg-eye_05%	0.5614	0.4386	0.5614	0.0264	0.5296
euthyroid_05%	0.9494	0.0506	0.9494	0.7139	0.4676
fbis-wc_05%	0.1992	0.0942	0.1992	0.0371	0.5068
fonts10%_05%	0.5463	0.0589	0.5245	0.5261	0.7347
gas_05%	0.9389	0.0204	0.9389	0.9260	0.1170
gender_05%	0.5916	0.2723	0.5916	0.0129	0.3477
gene_05%	0.9117	0.0589	0.9117	0.8575	0.2431
german_05%	0.6500	0.3500	0.6500	0.0642	0.7808
gina_05%	0.8098	0.1902	0.8098	0.6185	0.6288
hapt_05%	0.9231	0.0128	0.9231	0.9092	0.0985
hiv1-proteasa_05%	0.8954	0.1046	0.8954	0.6085	0.5586
hiva_05%	0.9527	0.0473	0.9527	0.0699	0.6111
htru2_05%	0.9760	0.0240	0.9760	0.8460	0.2285
hypothyroid_05%	0.9841	0.0080	0.9841	0.9053	0.1262
hypothyroidT_05%	0.9894	0.0106	0.9894	0.9228	0.1375
isolet_05%	0.8999	0.0077	0.8999	0.8959	0.0882
jm1_05%	0.8072	0.1928	0.8072	0.0463	0.4949
jvowels_05%	0.8735	0.0281	0.8735	0.8566	0.1828
kc1_05%	0.8341	0.1659	0.8341	0.2726	0.7296
krkopt_05%	0.8745	0.0139	0.8745	0.8596	0.2975
krvskp_05%	0.9624	0.0376	0.9624	0.9243	0.2171
la1s-wc_05%	0.3219	0.2712	0.3219	0.0305	0.5121
la2s-wc_05%	0.3019	0.2792	0.3019	-0.0127	0.4878
letter_05%	0.8640	0.0105	0.8640	0.8585	0.1511
madelon_05%	0.5192	0.4808	0.5192	0.0385	0.9765
magic04_05%	0.7969	0.2031	0.7969	0.5000	0.5410
maternal_05%	0.8416	0.1056	0.8416	0.7591	0.3494
messidor_05%	0.6609	0.3391	0.6609	0.3390	0.8092
mfeat-fac_05%	0.9750	0.0050	0.9750	0.9721	0.0325
mfeat-fou_05%	0.7950	0.0410	0.7950	0.7710	0.1533
mfeat-kar_05%	0.8900	0.0220	0.8900	0.8775	0.1290
mfeat-mor_05%	0.7000	0.0600	0.7000	0.6661	0.2669
mfeat-pix_05%	0.9750	0.0050	0.9750	0.9721	0.0325
mfeat-zer_05%	0.8000	0.0400	0.8000	0.7772	0.1317
mice-prot_05%	0.9907	0.0023	0.9907	0.9894	0.0127
mobile_05%	0.9231	0.0027	0.9231	0.9217	0.0368
mushroom_05%	0.9458	0.0542	0.9458	0.7524	0.4865

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.8939	0.1061	0.8939	0.4422	0.2911
MUT_ci300400a_05%	0.5636	0.4496	0.5345	0.0147	0.6190
MUT_ci300400a.cdk.ECFP2_05%	0.5788	0.4497	0.5507	0.0143	0.5416
myocardial_05%	0.8824	0.0294	0.8824	0.4156	0.0923
naticusdroid_05%	0.9567	0.0433	0.9567	0.9134	0.2343
newspop_05%	0.5325	0.4675	0.5325	0.0006	0.5225
NHANES_age_prediction_05%	0.9682	0.0114	1.0000	0.9535	0.0509
nomao_05%	0.9440	0.0560	0.9440	0.8598	0.2990
nursery_05%	0.9884	0.0046	0.9884	0.9787	0.0122
obs_05%	0.9815	0.0093	0.9815	0.9725	0.0510
occupancy_05%	0.9908	0.0092	0.9908	0.9743	0.1107
Occupancy_Estimation_05%	0.9680	0.0608	0.9384	0.9388	0.0540
oh0-wc_05%	0.1700	0.1660	0.1700	0.0533	0.4435
oh10-wc_05%	0.0667	0.1867	0.0667	-0.0001	0.4487
optdigits_05%	0.9377	0.0125	0.9377	0.9308	0.0823
optdigitsZ_05%	0.9929	0.0071	0.9929	0.9545	0.0312
ozone1hr_05%	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr_05%	0.9289	0.0711	0.9289	0.2258	0.4618
P-Glycoprotein_b_Inhibitor_05%	0.7496	0.2097	0.7718	0.5406	0.6642
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.7837	0.2342	0.8172	0.5957	0.6307
p53-mutants10%_05%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks_05%	0.9762	0.0095	0.9762	0.8638	0.1083
parkinson_05%	0.9667	0.0333	0.9667	0.9314	0.2027
pc1_05%	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac_05%	0.5361	0.4639	0.5361	0.0188	0.9817
pendigits_05%	0.9782	0.0044	0.9782	0.9757	0.0391
phishing_05%	0.9469	0.0531	0.9469	0.8893	0.2887
phoneme_05%	0.8074	0.1926	0.8074	0.5540	0.6772
phy_05%	0.6312	0.3688	0.6312	0.2603	0.7854
polish-1st_05%	0.9559	0.0441	0.9559	-0.0100	0.4925
polish-2nd_05%	0.9567	0.0433	0.9567	-0.0072	0.4278
polish-3rd_05%	0.9495	0.0505	0.9495	-0.0054	0.3653
polish-4th_05%	0.9551	0.0449	0.9551	0.3703	0.4122
polish-5th_05%	0.9509	0.0491	0.9509	0.4534	0.2376
polya_05%	0.6422	0.3578	0.6422	0.0085	0.5669
popularity_05%	0.6315	0.2456	0.6315	0.0019	0.3100
postures_05%	0.8474	0.0611	0.8474	0.8094	0.2123
re0-wc_05%	0.0400	0.1477	0.0400	-0.0010	0.3830
re1-wc_05%	0.0424	0.0766	0.0424	0.0231	0.4030
rejafada_05%	1.0000	0.0000	1.0000	1.0000	0.0000
relathe_05%	0.9577	0.0423	0.9577	0.9149	0.2362
rocket_05%	0.5922	0.4078	0.5922	0.0052	0.5878
satimage_05%	0.8507	0.0498	0.8507	0.8155	0.2363
satimageF_05%	0.9844	0.0156	0.9844	0.9188	0.1877
satimageT_05%	0.8942	0.1058	0.8942	-0.0090	0.4243
secom_05%	0.8590	0.1410	0.8590	0.0092	0.6354
secondary_mushroom_05%	0.5938	0.3878	0.5953	0.2361	0.5384
segment_05%	0.9654	0.0099	0.9654	0.9595	0.0548
segmentO_05%	0.9827	0.0173	0.9827	0.9293	0.1449
seismic_05%	0.9225	0.0775	0.9225	0.0628	0.6074
semeion_05%	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram_05%	0.8579	0.1421	0.8579	-0.0199	0.5487
sens-2-gram_05%	0.8711	0.1289	0.8711	0.1116	0.4810
sens-3-gram_05%	0.8684	0.1316	0.8684	0.1055	0.5237
sens-4-gram_05%	0.8421	0.1579	0.8421	0.0290	0.7247
sensorless_05%	0.9516	0.0088	0.9516	0.9467	0.0739
shoppers_05%	0.8856	0.1144	0.8856	0.5166	0.6003
shuttle_05%	0.9984	0.0004	0.9984	0.9956	0.1456

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9576	0.0424	0.9576	0.5974	0.4224
solar-flare_05%	0.7410	0.0863	0.7410	0.6704	0.2443
spambase_05%	0.8804	0.1196	0.8804	0.7473	0.4883
splice-EI_05%	0.9464	0.0536	0.9464	0.8608	0.3409
splice-IE_05%	0.9211	0.0789	0.9211	0.7866	0.4426
sport-articles_05%	0.8000	0.2000	0.8000	0.5612	0.6749
steel_industry_05%	0.8760	0.0727	0.8425	0.7936	0.2909
steel-b_05%	0.8103	0.1897	0.8103	0.1681	0.4595
steel-d_05%	0.9846	0.0154	0.9846	0.7613	0.4382
steel-k_05%	0.9590	0.0410	0.9590	0.8718	0.2764
steel-o_05%	0.6769	0.3231	0.6769	0.1387	0.7222
steel-p_05%	0.9179	0.0821	0.9179	0.2948	0.5925
steel-s_05%	0.9795	0.0205	0.9795	0.7393	0.4154
steel-z_05%	0.9590	0.0410	0.9590	0.7868	0.4438
swarm_aligned_05%	0.9950	0.0507	0.9684	0.9729	0.0202
swarm_flocking_05%	0.9539	0.0363	0.9473	0.9659	0.0556
swarm_grouped_05%	0.9571	0.0253	0.9764	0.9931	0.0062
texture_05%	0.9782	0.0040	0.9782	0.9759	0.0324
theorem_05%	0.9836	0.0164	0.9836	0.9664	0.1178
tis_05%	0.8691	0.1309	0.8691	0.6334	0.5701
titanic_05%	0.8182	0.1818	0.8182	0.5163	0.4251
tuandromd_05%	0.9753	0.0247	0.9753	0.9225	0.1889
wap-wc_05%	0.0321	0.0968	0.0321	-0.0068	0.4204
waveform_05%	0.7760	0.1493	0.7760	0.6645	0.4390
web-phishing_05%	0.8519	0.0988	0.8519	0.7341	0.3660
weight-lift_05%	0.9034	0.0386	0.9034	0.8778	0.1602
wifi-loc_05%	0.9600	0.0200	0.9600	0.9467	0.0839
wilt_05%	0.9503	0.0497	0.9503	0.0000	0.1349
winequality-red_05%	0.5849	0.1384	0.5849	0.3400	0.5586
winequality-white_05%	0.3845	0.1759	0.3845	0.2111	0.6670
yeast_05%	0.5270	0.0946	0.5270	0.3935	0.4301
yeastEXC_05%	0.9527	0.0473	0.9527	0.1981	0.5887
yeastME1_05%	0.9595	0.0405	0.9595	0.3799	0.5788
yeastME2_05%	0.9257	0.0743	0.9257	0.1152	0.6481
zip_05%	0.5823	0.0835	0.5823	0.3844	0.6531

Table 239: Detailed results for MultiBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1775	0.0567	0.1775	0.0839	0.3643
abalone19_05%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_05%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_05%	0.9695	0.0305	0.9695	0.8688	0.2443
adult_05%	0.8595	0.1405	0.8595	0.5706	0.5718
AID_1431_05%	0.8677	0.1296	0.8669	-0.0189	0.6240
AID_1878_05%	0.7980	0.1758	0.8280	0.0671	0.6378
AID_602330_05%	0.9482	0.0605	0.9029	-0.0129	0.6085
AID1608Morered_05%	0.8544	0.1456	0.8544	-0.0782	0.6585
AID1608red_05%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_05%	0.9813	0.0187	0.9813	-0.0071	0.5505
AID373AID439red_05%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_05%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_05%	0.9962	0.0038	0.9962	-0.0004	0.2479
AID604AID644_AllRed_05%	0.9551	0.0466	0.9446	0.0023	0.0034
AID687AID721red_05%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_05%	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red_05%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_05%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_05%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_05%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_05%	0.9263	0.0369	0.9263	0.8540	0.1106
anuran-genus_05%	0.8873	0.0282	0.8873	0.8073	0.1291
anuran-species_05%	0.9625	0.0075	0.9625	0.9476	0.0573
aps-failure_05%	0.9866	0.0134	0.9866	0.4284	0.1694
auction_05%	0.9608	0.0392	0.9608	0.8237	0.3574
avila_05%	0.6229	0.0628	0.6229	0.4536	0.2425
bank_05%	0.9121	0.0879	0.9121	0.5044	0.5707
banknote_05%	0.9854	0.0146	0.9854	0.9704	0.1045
barleyblumeria_05%	0.8318	0.1682	0.8318	0.6035	0.4886
basehock_05%	0.9598	0.0402	0.9598	0.9196	0.2061
biodeg_05%	0.8381	0.1619	0.8381	0.6448	0.5726
car_05%	0.9598	0.0201	0.9598	0.9156	0.1867
cardiotocography_05%	0.8310	0.0338	0.8310	0.7958	0.1598
cardiotocography-nsp_05%	0.9014	0.0657	0.9014	0.7074	0.3211
cargo2k_05%	0.9924	0.0051	0.9924	0.9886	0.0309
cas_N6512_cdk_ECFP2_05%	0.5682	0.4472	0.6034	0.1169	0.7827
census10%_05%	0.9489	0.0511	0.9489	0.2738	0.2618
cjs_05%	0.9929	0.0024	0.9929	0.9913	0.0124
clave_05%	0.9954	0.0046	0.9954	0.9834	0.0777
cmc_05%	0.5782	0.2812	0.5782	0.3489	0.6896
cnae-9_05%	0.7593	0.0535	0.7593	0.7282	0.1365
codon_usage_05%	0.5582	0.1021	0.5817	0.4790	0.2624
coil20_05%	0.8958	0.0104	0.8958	0.8903	0.0404
connect-4_05%	0.9836	0.0110	0.9836	0.4458	0.0984
cottonmeloidogyne_05%	0.6466	0.3534	0.6466	0.2968	0.7370
coupon_05%	0.7256	0.2744	0.7256	0.4331	0.7873
covtypeCD_05%	0.9672	0.0328	0.9672	0.8529	0.2375
covtypeT_05%	0.9694	0.0306	0.9694	0.7401	0.3353
crowdsourced_05%	0.8065	0.0645	0.8065	0.5278	0.2302
default_05%	0.8243	0.1757	0.8243	0.3746	0.6270
deposit_05%	0.8989	0.1011	0.8989	0.4166	0.5975
diabetic10%_05%	0.5393	0.3071	0.5393	0.0000	0.3426
dropout_05%	0.7269	0.1821	0.7269	0.5237	0.4876

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.4043	0.1702	0.4043	0.0175	0.3470
drug-02_05%	0.5000	0.1429	0.5000	-0.0002	0.4566
drug-03_05%	0.6702	0.0942	0.6702	-0.0174	0.3038
drug-04_05%	0.5160	0.1383	0.5160	0.0070	0.4632
drug-05_05%	0.7287	0.0775	0.7287	0.0068	0.2555
drug-06_05%	0.3883	0.1748	0.3883	0.2109	0.4407
drug-07_05%	0.4149	0.1672	0.4149	-0.0222	0.3230
drug-08_05%	0.5319	0.1337	0.5319	0.0106	0.4106
drug-09_05%	0.8617	0.0395	0.8617	-0.0064	0.2133
drug-10_05%	0.5372	0.1322	0.5372	0.0133	0.3732
drug-11_05%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_05%	0.7926	0.0593	0.7926	0.0194	0.1576
drug-13_05%	0.6064	0.1125	0.6064	0.2668	0.3352
drug-14_05%	0.5745	0.1216	0.5745	0.0509	0.3261
drug-15_05%	0.7660	0.0669	0.7660	0.0808	0.1860
drug-16_05%	0.5798	0.1201	0.5798	0.2982	0.3648
drug-17_05%	0.3298	0.1915	0.3298	0.0105	0.3522
drug-18_05%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_05%	0.7660	0.0669	0.7660	-0.0060	0.2613
drybean_05%	0.9155	0.0241	0.9155	0.8976	0.1289
eeg_05%	0.1548	0.1056	0.1548	0.0153	0.3808
eeg-eye_05%	0.5614	0.4386	0.5614	0.0261	0.5160
euthyroid_05%	0.9620	0.0380	0.9620	0.7723	0.3520
fbis-wc_05%	0.1992	0.0942	0.1992	-0.0065	0.3992
fonts10%_05%	0.3624	0.0592	0.3640	0.3406	0.2764
gas_05%	0.8102	0.0633	0.8102	0.7699	0.1854
gender_05%	0.5895	0.2737	0.5895	0.0065	0.3493
gene_05%	0.9243	0.0505	0.9243	0.8785	0.1971
german_05%	0.6900	0.3100	0.6900	0.2092	0.7730
gina_05%	0.8271	0.1729	0.8271	0.6531	0.5877
hapt_05%	0.6624	0.0563	0.6624	0.5980	0.1476
hiv1-proteasa_05%	0.9073	0.0927	0.9073	0.6541	0.5184
hiva_05%	0.9622	0.0378	0.9622	-0.0045	0.3546
htru2_05%	0.9754	0.0246	0.9754	0.8381	0.1885
hypothyroid_05%	0.9867	0.0066	0.9867	0.9199	0.1356
hypothyroidT_05%	0.9841	0.0159	0.9841	0.8843	0.2144
isolet_05%	0.3646	0.0489	0.3646	0.3391	0.2462
jm1_05%	0.8099	0.1901	0.8099	0.0520	0.4433
jvowels_05%	0.7801	0.0489	0.7801	0.7501	0.2109
kc1_05%	0.8768	0.1232	0.8768	0.3590	0.4552
krkopt_05%	0.8107	0.0210	0.8107	0.7877	0.2286
krvskp_05%	0.9812	0.0188	0.9812	0.9621	0.1236
la1s-wc_05%	0.3187	0.2725	0.3187	0.0160	0.4616
la2s-wc_05%	0.3052	0.2779	0.3052	-0.0082	0.4834
letter_05%	0.3745	0.0481	0.3745	0.3503	0.2974
madelon_05%	0.5231	0.4769	0.5231	0.0462	0.9853
magic04_05%	0.7933	0.2067	0.7933	0.4900	0.5479
maternal_05%	0.7921	0.1386	0.7921	0.6844	0.4310
messidor_05%	0.6522	0.3478	0.6522	0.3235	0.8145
mfeat-fac_05%	0.8850	0.0230	0.8850	0.8718	0.1257
mfeat-fou_05%	0.6750	0.0650	0.6750	0.6387	0.2269
mfeat-kar_05%	0.6500	0.0700	0.6500	0.6127	0.2374
mfeat-mor_05%	0.6900	0.0620	0.6900	0.6548	0.2387
mfeat-pix_05%	0.9450	0.0110	0.9450	0.9386	0.0693
mfeat-zer_05%	0.5950	0.0810	0.5950	0.5486	0.2398
mice-prot_05%	0.9815	0.0046	0.9815	0.9788	0.0241
mobile_05%	0.4161	0.0209	0.4161	0.4055	0.2099
mushroom_05%	0.9828	0.0172	0.9828	0.9126	0.2866

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.8833	0.1167	0.8833	0.3690	0.3436
MUT_ci300400a_05%	0.6739	0.3027	0.6914	0.3347	0.8173
MUT_ci300400a.cdk.ECFP2_05%	0.5834	0.4191	0.5838	0.0774	0.6336
myocardial_05%	0.8824	0.0294	0.8824	0.4016	0.0961
naticusdroid_05%	0.9570	0.0430	0.9570	0.9141	0.2312
newspop_05%	0.5325	0.4675	0.5325	0.0006	0.5225
NHANES_age_prediction_05%	0.9921	0.0546	0.9458	0.9850	0.0433
nomao_05%	0.9428	0.0572	0.9428	0.8573	0.3088
nursery_05%	0.9961	0.0015	0.9961	0.9929	0.1131
obs_05%	0.9907	0.0046	0.9907	0.9863	0.0279
occupancy_05%	0.9898	0.0102	0.9898	0.9716	0.1181
Occupancy_Estimation_05%	0.9783	0.0061	0.9580	0.9836	0.0413
oh0-wc_05%	0.1700	0.1660	0.1700	-0.0137	0.5024
oh10-wc_05%	0.2000	0.1600	0.2000	0.0493	0.4369
optdigits_05%	0.8950	0.0210	0.8950	0.8833	0.1343
optdigitsZ_05%	0.9893	0.0107	0.9893	0.9304	0.0432
ozone1hr_05%	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr_05%	0.9407	0.0593	0.9407	0.3303	0.1556
P-Glycoprotein_b_Inhibitor_05%	0.7919	0.1775	0.8019	0.5899	0.6311
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.7873	0.1772	0.8495	0.6551	0.5693
p53-mutants10%_05%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks_05%	0.9744	0.0102	0.9744	0.8418	0.0652
parkinson_05%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_05%	0.9189	0.0811	0.9189	0.1483	0.6102
pcmac_05%	0.5979	0.4021	0.5979	0.0801	0.8186
pendigits_05%	0.9709	0.0058	0.9709	0.9676	0.0415
phishing_05%	0.9551	0.0449	0.9551	0.9067	0.2554
phoneme_05%	0.8111	0.1889	0.8111	0.5609	0.6726
phy_05%	0.6334	0.3666	0.6334	0.2648	0.7956
polish-1st_05%	0.9630	0.0370	0.9630	0.0689	0.1081
polish-2nd_05%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_05%	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th_05%	0.9582	0.0418	0.9582	0.3898	0.3100
polish-5th_05%	0.9509	0.0491	0.9509	0.4351	0.1357
polya_05%	0.6508	0.3492	0.6508	0.0308	0.4758
popularity_05%	0.6315	0.2456	0.6315	0.0019	0.3100
postures_05%	0.6866	0.1254	0.6866	0.6086	0.3048
re0-wc_05%	0.4133	0.0903	0.4133	0.0155	0.2770
re1-wc_05%	0.2242	0.0621	0.2242	-0.0055	0.3659
rejafada_05%	1.0000	0.0000	1.0000	1.0000	0.0000
relathe_05%	0.9718	0.0282	0.9718	0.9433	0.1740
rocket_05%	0.5893	0.4107	0.5893	-0.0019	0.6041
satimage_05%	0.8351	0.0550	0.8351	0.7956	0.2185
satimageF_05%	0.9876	0.0124	0.9876	0.9351	0.1542
satimageT_05%	0.8942	0.1058	0.8942	-0.0090	0.4243
secom_05%	0.9103	0.0897	0.9103	0.0808	0.6776
secondary_mushroom_05%	0.6395	0.3415	0.6396	0.3999	0.5946
segment_05%	0.9567	0.0124	0.9567	0.9494	0.0492
segmentO_05%	0.9913	0.0087	0.9913	0.9647	0.0385
seismic_05%	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion_05%	0.9811	0.0189	0.9811	0.8928	0.2097
sens-1-gram_05%	0.8684	0.1316	0.8684	0.0286	0.3763
sens-2-gram_05%	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram_05%	0.8737	0.1263	0.8737	0.0675	0.2632
sens-4-gram_05%	0.8658	0.1342	0.8658	0.0232	0.4453
sensorless_05%	0.8781	0.0222	0.8781	0.8655	0.0991
shoppers_05%	0.8865	0.1135	0.8865	0.5344	0.6058
shuttle_05%	0.9990	0.0003	0.9990	0.9971	0.0644

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9655	0.0345	0.9655	0.6500	0.2345
solar-flare_05%	0.7338	0.0887	0.7338	0.6602	0.2596
spambase_05%	0.9087	0.0913	0.9087	0.8069	0.4029
splice-EI_05%	0.9716	0.0284	0.9716	0.9251	0.2138
splice-IE_05%	0.9338	0.0662	0.9338	0.8191	0.3954
sport-articles_05%	0.8200	0.1800	0.8200	0.6051	0.6337
steel_industry_05%	0.8865	0.1018	0.8930	0.7974	0.2415
steel-b_05%	0.8154	0.1846	0.8154	0.2921	0.6520
steel-d_05%	0.9846	0.0154	0.9846	0.6597	0.0550
steel-k_05%	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o_05%	0.7128	0.2872	0.7128	0.2499	0.6662
steel-p_05%	0.9077	0.0923	0.9077	-0.0186	0.5474
steel-s_05%	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z_05%	0.9744	0.0256	0.9744	0.8507	0.2860
swarm_aligned_05%	1.0000	0.0328	0.9921	0.9520	0.0000
swarm_flocking_05%	0.9533	0.0351	0.9549	0.9858	0.0077
swarm_grouped_05%	0.9465	0.0559	0.9901	0.9502	0.0186
texture_05%	0.8618	0.0251	0.8618	0.8477	0.1110
theorem_05%	0.9902	0.0098	0.9902	0.9798	0.0786
tis_05%	0.8743	0.1257	0.8743	0.6470	0.5533
titanic_05%	0.8182	0.1818	0.8182	0.5163	0.4251
tuandromd_05%	0.9776	0.0224	0.9776	0.9298	0.1810
wap-wc_05%	0.2115	0.0788	0.2115	-0.0027	0.3837
waveform_05%	0.7640	0.1573	0.7640	0.6463	0.4612
web-phishing_05%	0.8148	0.1235	0.8148	0.6758	0.4524
weight-lift_05%	0.4769	0.2092	0.4769	0.2894	0.3011
wifi-loc_05%	0.9900	0.0050	0.9900	0.9867	0.0255
wilt_05%	0.9503	0.0497	0.9503	0.0000	0.1349
winequality-red_05%	0.5912	0.1363	0.5912	0.3167	0.4105
winequality-white_05%	0.4499	0.1572	0.4499	0.0165	0.3629
yeast_05%	0.4865	0.1027	0.4865	0.3536	0.3506
yeastEXC_05%	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1_05%	0.9730	0.0270	0.9730	0.5866	0.5496
yeastME2_05%	0.9459	0.0541	0.9459	-0.0120	0.5053
zip_05%	0.6071	0.0786	0.6071	0.4545	0.6001

Table 240: Detailed results for NewtonBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_05%	0.1439	0.0590	0.1439	0.0610	0.6071
abalone19_05%	0.9880	0.0120	0.9880	-0.0058	0.5581
accelerometer_05%	0.9841	0.0159	0.9841	0.2347	0.2055
ads_05%	0.9817	0.0183	0.9817	0.9213	0.1335
adult_05%	0.8714	0.1286	0.8714	0.6179	0.5555
AID_1431_05%	0.8999	0.0799	0.8867	-0.0388	0.1985
AID_1878_05%	0.7277	0.2219	0.7812	-0.0614	0.8504
AID_602330_05%	0.9314	0.0409	0.9017	-0.0246	0.4655
AID1608Morered_05%	0.8932	0.1068	0.8932	-0.0520	0.7030
AID1608red_05%	0.9223	0.0777	0.9223	-0.0300	0.6529
AID362red_05%	0.9860	0.0140	0.9860	0.2447	0.4187
AID373AID439red_05%	0.9993	0.0007	0.9993	-0.0003	0.3124
AID373red_05%	0.9985	0.0015	0.9985	-0.0007	0.5338
AID456red_05%	0.9960	0.0040	0.9960	-0.0015	0.5141
AID604_05%	0.9962	0.0038	0.9962	0.0519	0.3050
AID604AID644_AllRed_05%	0.9827	0.0345	0.9505	0.6246	0.4392
AID687AID721red_05%	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red_05%	0.9958	0.0042	0.9958	-0.0017	0.5306
AID688red_05%	0.9901	0.0099	0.9901	-0.0014	0.3140
AID746AID1284red_05%	0.9987	0.0013	0.9987	-0.0005	0.5055
AID746red_05%	0.9936	0.0064	0.9936	-0.0006	0.2489
anuran-f-b_05%	0.9986	0.0014	0.9986	0.9224	0.2846
anuran-family_05%	0.9847	0.0076	0.9847	0.9707	0.0377
anuran-genus_05%	0.9805	0.0049	0.9805	0.9680	0.0919
anuran-species_05%	0.9847	0.0031	0.9847	0.9787	0.0251
aps-failure_05%	0.9592	0.0198	0.9684	0.7300	0.3532
auction_05%	0.9804	0.0196	0.9804	0.9146	0.2556
avila_05%	0.9760	0.0040	0.9760	0.9691	0.2080
bank_05%	0.9131	0.0869	0.9131	0.5337	0.5799
banknote_05%	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria_05%	0.8963	0.1037	0.8963	0.7674	0.4126
basehock_05%	0.9698	0.0302	0.9698	0.9397	0.1496
biodeg_05%	0.9333	0.0667	0.9333	0.8580	0.3329
car_05%	0.9598	0.0201	0.9598	0.9161	0.2452
cardiotocography_05%	0.8592	0.0282	0.8592	0.8311	0.1875
cardiotocography-nsp_05%	0.9531	0.0313	0.9531	0.8653	0.1342
cargo2k_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_05%	0.7328	0.2646	0.7537	0.4696	0.7573
census10%_05%	0.9545	0.0455	0.9545	0.4715	0.4159
cjs_05%	0.9964	0.0012	0.9964	0.9956	0.0059
clave_05%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_05%	0.5442	0.3039	0.5442	0.2934	0.7067
cnae-9_05%	0.9167	0.0185	0.9167	0.9055	0.0829
codon_usage_05%	0.9295	0.0285	0.9094	0.9058	0.1078
coil20_05%	0.9722	0.0028	0.9722	0.9708	0.0199
connect-4_05%	0.9947	0.0036	0.9947	0.8656	0.0375
cottonmeloidogyne_05%	0.7909	0.2091	0.7909	0.5818	0.6802
coupon_05%	0.7484	0.2516	0.7484	0.4788	0.7495
covtypeCD_05%	0.9632	0.0660	0.9893	0.9370	0.1259
covtypeT_05%	0.9766	0.0234	0.9766	0.8104	0.2987
crowdsourced_05%	0.9502	0.0166	0.9502	0.8975	0.1271
default_05%	0.8237	0.1763	0.8237	0.3993	0.6634
deposit_05%	0.9067	0.0933	0.9067	0.4810	0.5775
diabetic10%_05%	0.5737	0.2842	0.5737	0.1717	0.6071
dropout_05%	0.7562	0.1625	0.7562	0.5918	0.4788

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_05%	0.3191	0.1945	0.3191	0.0167	0.7216
drug-02_05%	0.5000	0.1429	0.5000	0.1622	0.7155
drug-03_05%	0.6809	0.0912	0.6809	0.1857	0.4661
drug-04_05%	0.4894	0.1459	0.4894	0.1071	0.6437
drug-05_05%	0.7128	0.0821	0.7128	-0.0160	0.3695
drug-06_05%	0.3404	0.1885	0.3404	0.1774	0.6676
drug-07_05%	0.3670	0.1809	0.3670	-0.0213	0.5211
drug-08_05%	0.5213	0.1368	0.5213	0.1524	0.6989
drug-09_05%	0.8511	0.0426	0.8511	0.0350	0.2369
drug-10_05%	0.5266	0.1353	0.5266	0.1511	0.6838
drug-11_05%	0.8351	0.0471	0.8351	0.0337	0.4605
drug-12_05%	0.7660	0.0669	0.7660	0.0480	0.3704
drug-13_05%	0.5798	0.1201	0.5798	0.2071	0.5550
drug-14_05%	0.5691	0.1231	0.5691	0.2733	0.6609
drug-15_05%	0.7500	0.0714	0.7500	0.1084	0.4569
drug-16_05%	0.5372	0.1322	0.5372	0.2492	0.5667
drug-17_05%	0.3457	0.1869	0.3457	0.1371	0.7407
drug-18_05%	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19_05%	0.7606	0.0684	0.7606	0.0990	0.4175
drybean_05%	0.9214	0.0225	0.9214	0.9050	0.1427
eeg_05%	0.5417	0.0573	0.5417	0.4918	0.5701
eeg-eye_05%	0.8565	0.1435	0.8565	0.7071	0.5324
euthyroid_05%	0.9652	0.0348	0.9652	0.8004	0.3649
fbis-wc_05%	0.1992	0.0942	0.1992	-0.0065	0.3992
fonts10%_05%	0.5151	0.0111	0.5463	0.5120	0.5866
gas_05%	0.9907	0.0031	0.9907	0.9887	0.0232
gender_05%	0.5726	0.2849	0.5726	0.1094	0.6559
gene_05%	0.9338	0.0442	0.9338	0.8932	0.1897
german_05%	0.7100	0.2900	0.7100	0.2927	0.7913
gina_05%	0.9481	0.0519	0.9481	0.8962	0.2734
hapt_05%	0.9689	0.0052	0.9689	0.9632	0.0502
hiv1-proteasa_05%	0.8921	0.1079	0.8921	0.5670	0.5354
hiva_05%	0.9551	0.0449	0.9551	-0.0152	0.5782
htru2_05%	0.9765	0.0235	0.9765	0.8567	0.2848
hypothyroid_05%	0.9894	0.0053	0.9894	0.9368	0.1292
hypothyroidT_05%	0.9947	0.0053	0.9947	0.9626	0.1146
isolet_05%	0.9384	0.0047	0.9384	0.9359	0.0566
jm1_05%	0.8209	0.1791	0.8209	0.2206	0.6194
jvowels_05%	0.9769	0.0051	0.9769	0.9738	0.0388
kc1_05%	0.8483	0.1517	0.8483	0.3443	0.6978
krkopt_05%	0.7269	0.0303	0.7269	0.6933	0.2841
krvskp_05%	0.9812	0.0188	0.9812	0.9622	0.1275
la1s-wc_05%	0.3187	0.2725	0.3187	0.0160	0.4616
la2s-wc_05%	0.3019	0.2792	0.3019	-0.0125	0.4969
letter_05%	0.9365	0.0049	0.9365	0.9339	0.0741
madelon_05%	0.7846	0.2154	0.7846	0.5692	0.6923
magic04_05%	0.8795	0.1205	0.8795	0.7274	0.4825
maternal_05%	0.8416	0.1056	0.8416	0.7591	0.3494
messidor_05%	0.6609	0.3391	0.6609	0.3147	0.8673
mfeat-fac_05%	0.9750	0.0050	0.9750	0.9721	0.0316
mfeat-fou_05%	0.8300	0.0340	0.8300	0.8102	0.1291
mfeat-kar_05%	0.9350	0.0130	0.9350	0.9276	0.0831
mfeat-mor_05%	0.6450	0.0710	0.6450	0.6048	0.2845
mfeat-pix_05%	0.9650	0.0070	0.9650	0.9609	0.0425
mfeat-zer_05%	0.8000	0.0400	0.8000	0.7773	0.1208
mice-prot_05%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_05%	0.4406	0.0200	0.4406	0.4303	0.2578
mushroom_05%	0.9865	0.0135	0.9865	0.9303	0.2491

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_05%	0.9530	0.0470	0.9530	0.7985	0.2076
MUT_ci300400a_05%	0.8275	0.1851	0.8071	0.6294	0.5936
MUT_ci300400a.cdk.ECFP2_05%	0.7883	0.2329	0.7924	0.5320	0.6693
myocardial_05%	0.8882	0.0279	0.8882	0.4309	0.0941
naticusdroid_05%	0.9662	0.0338	0.9662	0.9325	0.1981
newspop_05%	0.6756	0.3244	0.6756	0.3452	0.8506
NHANES_age_prediction_05%	0.9699	0.0283	0.9647	0.9727	0.0438
nomao_05%	0.9631	0.0369	0.9631	0.9095	0.2382
nursery_05%	0.9961	0.0015	0.9961	0.9929	0.0057
obs_05%	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy_05%	0.9917	0.0083	0.9917	0.9770	0.1018
Occupancy_Estimation_05%	1.0000	0.0000	0.9579	0.9638	0.0633
oh0-wc_05%	0.1800	0.1640	0.1800	0.0012	0.4962
oh10-wc_05%	0.2000	0.1600	0.2000	0.0493	0.4369
optdigits_05%	0.9698	0.0060	0.9698	0.9664	0.0440
optdigitsZ_05%	0.9982	0.0018	0.9982	0.9889	0.0098
ozone1hr_05%	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr_05%	0.9289	0.0711	0.9289	0.2785	0.5157
P-Glycoprotein_b_Inhibitor_05%	0.8169	0.2249	0.8019	0.5743	0.6853
P-Glycoprotein_c_RDkit_AtomPair_FP_05%	0.8014	0.1768	0.8154	0.6624	0.5594
p53-mutants10%_05%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_05%	0.9781	0.0088	0.9781	0.8754	0.2111
parkinson_05%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_05%	0.9189	0.0811	0.9189	0.2671	0.6352
pcmac_05%	0.4845	0.5155	0.4845	-0.1102	1.0000
pendigits_05%	0.9836	0.0033	0.9836	0.9818	0.0298
phishing_05%	0.9592	0.0408	0.9592	0.9137	0.2211
phoneme_05%	0.8944	0.1056	0.8944	0.7375	0.4903
phy_05%	0.7264	0.3100	0.7084	0.4654	0.7827
polish-1st_05%	0.9772	0.0228	0.9772	0.6083	0.2770
polish-2nd_05%	0.9715	0.0285	0.9715	0.4612	0.2584
polish-3rd_05%	0.9552	0.0448	0.9552	0.3188	0.4852
polish-4th_05%	0.9694	0.0306	0.9694	0.6436	0.3685
polish-5th_05%	0.9628	0.0372	0.9628	0.6665	0.3642
polya_05%	0.7849	0.2151	0.7849	0.5154	0.7027
popularity_05%	0.6325	0.2048	0.6500	0.2246	0.5355
postures_05%	0.9900	0.0040	0.9900	0.9875	0.0297
re0-wc_05%	0.4133	0.0903	0.4133	0.0134	0.2763
re1-wc_05%	0.2242	0.0621	0.2242	-0.0055	0.3659
rejafada_05%	0.9950	0.0050	0.9950	0.9307	0.2605
relathe_05%	0.9859	0.0141	0.9859	0.9716	0.0806
rocket_05%	0.7068	0.2932	0.7068	0.3937	0.8178
satimage_05%	0.9098	0.0301	0.9098	0.8887	0.1496
satimageF_05%	0.9844	0.0156	0.9844	0.9208	0.2214
satimageT_05%	0.9393	0.0607	0.9393	0.6041	0.4178
secom_05%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_05%	0.9943	0.0510	0.9759	0.9725	0.1059
segment_05%	0.9697	0.0087	0.9697	0.9646	0.0317
segmentO_05%	0.9913	0.0087	0.9913	0.9663	0.1466
seismic_05%	0.9302	0.0698	0.9302	0.1566	0.5451
semeion_05%	0.9748	0.0252	0.9748	0.8528	0.2322
sens-1-gram_05%	0.8553	0.1447	0.8553	0.0029	0.6097
sens-2-gram_05%	0.8711	0.1289	0.8711	0.1567	0.5469
sens-3-gram_05%	0.8711	0.1289	0.8711	0.1776	0.5710
sens-4-gram_05%	0.8658	0.1342	0.8658	0.1440	0.6038
sensorless_05%	0.9626	0.0068	0.9626	0.9587	0.0751
shoppers_05%	0.8946	0.1054	0.8946	0.5554	0.5700
shuttle_05%	1.0000	0.0548	0.9992	0.9514	0.0264

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_05%	0.9708	0.0292	0.9708	0.7402	0.3335
solar-flare_05%	0.7554	0.0815	0.7554	0.6865	0.2308
spambase_05%	0.9391	0.0609	0.9391	0.8717	0.3034
splice-EI_05%	0.9621	0.0379	0.9621	0.9029	0.2760
splice-IE_05%	0.9369	0.0631	0.9369	0.8269	0.3814
sport-articles_05%	0.8500	0.1500	0.8500	0.6764	0.5756
steel_industry_05%	0.8805	0.0577	0.8849	0.8517	0.2526
steel-b_05%	0.8667	0.1333	0.8667	0.5836	0.6090
steel-d_05%	0.9897	0.0103	0.9897	0.8280	0.3214
steel-k_05%	0.9846	0.0154	0.9846	0.9524	0.1266
steel-o_05%	0.7949	0.2051	0.7949	0.5515	0.6945
steel-p_05%	0.9282	0.0718	0.9282	0.4622	0.5763
steel-s_05%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_05%	0.9846	0.0154	0.9846	0.9145	0.2439
swarm_aligned_05%	0.9708	0.0205	0.9825	0.9574	0.0054
swarm_flocking_05%	0.9518	0.0430	0.9543	0.9451	0.0142
swarm_grouped_05%	0.9767	0.0119	0.9851	0.9512	0.0454
texture_05%	0.9873	0.0023	0.9873	0.9860	0.0198
theorem_05%	0.9967	0.0033	0.9967	0.9933	0.0312
tis_05%	0.9381	0.1272	0.9234	0.7800	0.4108
titanic_05%	0.8182	0.1818	0.8182	0.5163	0.4251
tuandromd_05%	0.9888	0.0112	0.9888	0.9653	0.1219
wap-wc_05%	0.2115	0.0788	0.2115	-0.0027	0.3837
waveform_05%	0.8260	0.1160	0.8260	0.7390	0.3925
web-phishing_05%	0.8444	0.1037	0.8444	0.7237	0.4084
weight-lift_05%	0.9842	0.0123	0.9865	0.9583	0.0525
wifi-loc_05%	0.9750	0.0125	0.9750	0.9667	0.0503
wilt_05%	0.9896	0.0104	0.9896	0.8882	0.2208
winequality-red_05%	0.7233	0.0922	0.7233	0.5555	0.4715
winequality-white_05%	0.6196	0.1087	0.6196	0.4175	0.4925
yeast_05%	0.5473	0.0905	0.5473	0.4094	0.3916
yeastEXC_05%	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1_05%	0.9662	0.0338	0.9662	0.4272	0.5783
yeastME2_05%	0.9459	0.0541	0.9459	0.1766	0.5813
zip_05%	0.6652	0.0670	0.6652	0.5177	0.5235

## 5.2 Noise 10%

Table 241: Detailed results for RotationForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1079	0.0615	0.1079	0.0621	0.6904
abalone19_10%	0.9426	0.0574	0.9426	-0.0127	0.1984
accelerometer_10%	0.9162	0.0838	0.9162	0.2240	0.3639
ads_10%	0.9756	0.0244	0.9756	0.8970	0.2238
adult_10%	0.8149	0.1851	0.8149	0.5604	0.6372
AID_1431_10%	0.8834	0.1037	0.8394	-0.0246	0.6979
AID_1878_10%	0.7913	0.2995	0.8003	0.1402	0.8187
AID_602330_10%	0.8711	0.1464	0.9527	-0.0693	0.4675
AID1608Morered_10%	0.8544	0.1456	0.8544	0.1364	0.6271
AID1608red_10%	0.8835	0.1165	0.8835	-0.0619	0.6551
AID362red_10%	0.9206	0.0794	0.9206	0.0330	0.2962
AID373AID439red_10%	0.9642	0.0122	0.9744	-0.0083	0.5062
AID373red_10%	0.6834	0.3166	0.6834	-0.0009	0.0108
AID456red_10%	0.9780	0.0220	0.9780	-0.0052	0.1969
AID604_10%	0.9254	0.0260	0.9149	0.8813	0.0018
AID604AID644_AllRed_10%	0.9107	0.0229	0.9788	0.1957	0.0000
AID687AID721red_10%	0.9685	0.0550	0.8984	-0.0223	0.0367
AID687red_10%	0.7802	0.2198	0.7802	-0.0032	0.0359
AID688red_10%	0.7668	0.2332	0.7668	0.0009	0.0992
AID746AID1284red_10%	0.7742	0.2258	0.7742	0.0010	0.0128
AID746red_10%	0.6591	0.3409	0.6591	0.0094	0.0530
anuran-f-b_10%	0.9374	0.0626	0.9374	0.1986	0.2692
anuran-family_10%	0.9750	0.0125	0.9750	0.9524	0.1211
anuran-genus_10%	0.9750	0.0063	0.9750	0.9591	0.1293
anuran-species_10%	0.9792	0.0042	0.9792	0.9711	0.0736
aps-failure_10%	0.9160	0.0756	0.9625	0.7227	0.2198
auction_10%	0.9608	0.0392	0.9608	0.8442	0.3876
avila_10%	0.9780	0.0037	0.9780	0.9716	0.1990
bank_10%	0.8461	0.1539	0.8461	0.4945	0.5716
banknote_10%	0.9854	0.0146	0.9854	0.9705	0.0960
barleyblumeria_10%	0.8963	0.1037	0.8963	0.7674	0.4126
basehock_10%	0.9849	0.0151	0.9849	0.9698	0.1051
biodeg_10%	0.8952	0.1048	0.8952	0.7789	0.4599
car_10%	0.8908	0.0546	0.8908	0.7903	0.4193
cardiotocography_10%	0.8826	0.0235	0.8826	0.8606	0.1684
cardiotocography-nsp_10%	0.8920	0.0720	0.8920	0.7328	0.4268
cargo2k_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_10%	0.6993	0.3323	0.7413	0.5123	0.8021
census10%_10%	0.7951	0.2049	0.7951	0.2817	0.4383
cjs_10%	0.9929	0.0024	0.9929	0.9913	0.0173
clave_10%	0.9991	0.0009	0.9991	0.9967	0.0235
cmc_10%	0.5510	0.2993	0.5510	0.3104	0.6857
cnae-9_10%	0.9444	0.0123	0.9444	0.9370	0.0580
codon_usage_10%	0.8678	0.0451	0.8326	0.8646	0.1182
coil20_10%	1.0000	0.0000	1.0000	1.0000	0.0000
connect-4_10%	0.9423	0.0194	0.9281	0.7747	0.2180
cottonmeloidogyne_10%	0.7812	0.2188	0.7812	0.5627	0.6960
coupon_10%	0.7327	0.2673	0.7327	0.4587	0.7771
covtypeCD_10%	0.9592	0.0408	0.9592	0.8449	0.3864
covtypeT_10%	0.9561	0.0439	0.9561	0.7259	0.5058
crowdsourced_10%	0.9244	0.0252	0.9244	0.8503	0.3078
default_10%	0.7873	0.2127	0.7873	0.4217	0.7405
deposit_10%	0.8379	0.1621	0.8379	0.4773	0.5857
diabetic10%_10%	0.5344	0.3104	0.5344	0.2024	0.7506
dropout_10%	0.7381	0.1746	0.7381	0.5754	0.4826

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.2979	0.2006	0.2979	0.0836	0.8819
drug-02_10%	0.4734	0.1505	0.4734	0.2974	0.7520
drug-03_10%	0.4628	0.1535	0.4628	0.1145	0.7697
drug-04_10%	0.3670	0.1809	0.3670	0.1526	0.7858
drug-05_10%	0.4628	0.1535	0.4628	-0.0034	0.8534
drug-06_10%	0.3564	0.1839	0.3564	0.2240	0.6652
drug-07_10%	0.3511	0.1854	0.3511	0.0447	0.7768
drug-08_10%	0.3936	0.1733	0.3936	0.1648	0.7388
drug-09_10%	0.7500	0.0714	0.7500	0.1565	0.6757
drug-10_10%	0.4681	0.1520	0.4681	0.2125	0.7832
drug-11_10%	0.6702	0.0942	0.6702	0.1767	0.7475
drug-12_10%	0.6543	0.0988	0.6543	0.1109	0.7227
drug-13_10%	0.5053	0.1413	0.5053	0.2317	0.7949
drug-14_10%	0.5266	0.1353	0.5266	0.3257	0.6026
drug-15_10%	0.5745	0.1216	0.5745	0.1556	0.8271
drug-16_10%	0.4787	0.1489	0.4787	0.2691	0.7248
drug-17_10%	0.2766	0.2067	0.2766	0.1102	0.8108
drug-18_10%	0.9734	0.0106	0.9734	-0.0043	0.0076
drug-19_10%	0.5532	0.1277	0.5532	0.1540	0.5973
drybean_10%	0.9162	0.0239	0.9162	0.8987	0.1365
eeg_10%	0.5414	0.0573	0.5414	0.4949	0.5816
eeg-eye_10%	0.8985	0.1015	0.8985	0.7943	0.4349
euthyroid_10%	0.9525	0.0475	0.9525	0.7625	0.4738
fbis-wc_10%	0.0285	0.1143	0.0285	0.0023	0.4457
fonts10%_10%	0.6534	0.0539	0.6545	0.5338	0.2802
gas_10%	0.9964	0.0012	0.9964	0.9956	0.0088
gender_10%	0.5726	0.2849	0.5726	0.2125	0.7164
gene_10%	0.9338	0.0442	0.9338	0.8943	0.2012
german_10%	0.6900	0.3100	0.6900	0.3049	0.8513
gina_10%	0.9452	0.0548	0.9452	0.8905	0.2835
hapt_10%	0.9570	0.0072	0.9570	0.9492	0.0540
hiv1-proteasa_10%	0.8836	0.1164	0.8836	0.6406	0.5813
hiva_10%	0.8936	0.1064	0.8936	0.1373	0.4947
htru2_10%	0.9721	0.0279	0.9721	0.8392	0.3642
hypothyroid_10%	0.9257	0.0371	0.9257	0.6786	0.3465
hypothyroidT_10%	0.9761	0.0239	0.9761	0.8528	0.3890
isolet_10%	0.9012	0.0076	0.9012	0.8972	0.0807
jm1_10%	0.7511	0.2489	0.7511	0.3156	0.7578
jvowels_10%	0.9729	0.0060	0.9729	0.9693	0.0443
kc1_10%	0.8057	0.1943	0.8057	0.3222	0.7400
krkopt_10%	0.7112	0.0321	0.7112	0.6792	0.5011
krvskp_10%	0.9624	0.0376	0.9624	0.9243	0.2171
la1s-wc_10%	0.1062	0.3575	0.1062	-0.0137	0.6097
la2s-wc_10%	0.2630	0.2948	0.2630	0.0118	0.5845
letter_10%	0.9480	0.0040	0.9480	0.9459	0.0598
madelon_10%	0.6846	0.3154	0.6846	0.3692	0.8403
magic04_10%	0.8727	0.1273	0.8727	0.7196	0.5259
maternal_10%	0.7624	0.1584	0.7624	0.6379	0.4374
messidor_10%	0.6957	0.3043	0.6957	0.3822	0.8288
mfeat-fac_10%	0.9650	0.0070	0.9650	0.9609	0.0449
mfeat-fou_10%	0.8150	0.0370	0.8150	0.7937	0.1302
mfeat-kar_10%	0.9400	0.0120	0.9400	0.9332	0.0751
mfeat-mor_10%	0.7000	0.0600	0.7000	0.6659	0.2279
mfeat-pix_10%	0.9700	0.0060	0.9700	0.9665	0.0363
mfeat-zer_10%	0.7700	0.0460	0.7700	0.7441	0.1736
mice-prot_10%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_10%	0.9545	0.0016	0.9545	0.9537	0.0212
mushroom_10%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.9364	0.0636	0.9364	0.7603	0.4516
MUT_ci300400a_10%	0.8750	0.2344	0.8140	0.6814	0.5493
MUT_ci300400a.cdk.ECFP2_10%	0.8104	0.2219	0.7891	0.5782	0.6669
myocardial_10%	0.7765	0.0559	0.7765	0.3990	0.6832
naticusdroid_10%	0.9673	0.0327	0.9673	0.9345	0.1938
newspop_10%	0.6700	0.3300	0.6700	0.3343	0.8576
NHANES_age_prediction_10%	1.0000	0.0466	0.9680	0.9713	0.1014
nomao_10%	0.9594	0.0406	0.9594	0.9021	0.2707
nursery_10%	0.9915	0.0034	0.9915	0.9843	0.0238
obs_10%	0.9537	0.0231	0.9537	0.9320	0.1152
occupancy_10%	0.9912	0.0088	0.9912	0.9757	0.1069
Occupancy_Estimation_10%	0.9473	0.0527	0.9992	0.8959	0.0792
oh0-wc_10%	0.1200	0.1760	0.1200	0.0229	0.4634
oh10-wc_10%	0.0762	0.1848	0.0762	0.0116	0.5290
optdigits_10%	0.9626	0.0075	0.9626	0.9585	0.0551
optdigitsZ_10%	0.9982	0.0018	0.9982	0.9889	0.0098
ozone1hr_10%	0.9407	0.0593	0.9407	-0.0293	0.6345
ozone8hr_10%	0.9012	0.0988	0.9012	0.3368	0.6571
P-Glycoprotein_b_Inhibitor_10%	0.8430	0.2413	0.7400	0.5897	0.6110
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.8887	0.1471	0.7979	0.7444	0.5044
p53-mutants10%_10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_10%	0.9415	0.0234	0.9415	0.7408	0.4232
parkinson_10%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_10%	0.8649	0.1351	0.8649	0.2802	0.6222
pcmac_10%	0.4948	0.5052	0.4948	-0.0762	1.0000
pendigits_10%	0.9864	0.0027	0.9864	0.9848	0.0233
phishing_10%	0.9551	0.0449	0.9551	0.9056	0.2507
phoneme_10%	0.8815	0.1185	0.8815	0.7235	0.5236
phy_10%	0.6745	0.3408	0.6119	0.3662	0.8188
polish-1st_10%	0.9360	0.0640	0.9360	0.2041	0.6151
polish-2nd_10%	0.8928	0.1072	0.8928	0.1327	0.5253
polish-3rd_10%	0.9171	0.0829	0.9171	0.2618	0.6131
polish-4th_10%	0.9031	0.0969	0.9031	0.3323	0.5919
polish-5th_10%	0.9289	0.0711	0.9289	0.4845	0.6087
polya_10%	0.7795	0.2205	0.7795	0.5283	0.7153
popularity_10%	0.6513	0.3093	0.6598	0.1673	0.4814
postures_10%	0.9133	0.1100	0.8807	0.9046	0.0277
re0-wc_10%	0.0467	0.1467	0.0467	0.0155	0.4682
re1-wc_10%	0.0121	0.0790	0.0121	0.0050	0.4333
rejafada_10%	0.8643	0.1357	0.8643	-0.0550	0.4288
relathe_10%	0.9930	0.0070	0.9930	0.9858	0.0469
rocket_10%	0.7054	0.2946	0.7054	0.4106	0.7937
satimage_10%	0.9020	0.0327	0.9020	0.8793	0.1627
satimageF_10%	0.9829	0.0171	0.9829	0.9145	0.2532
satimageT_10%	0.9051	0.0949	0.9051	0.5833	0.5892
secom_10%	0.9231	0.0769	0.9231	-0.0218	0.5944
secondary_mushroom_10%	0.9812	0.0012	0.9121	0.9494	0.0321
segment_10%	0.9481	0.0148	0.9481	0.9393	0.0718
segmentO_10%	0.9827	0.0173	0.9827	0.9342	0.2317
seismic_10%	0.8566	0.1434	0.8566	0.1405	0.6197
semeion_10%	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram_10%	0.7789	0.2211	0.7789	0.1483	0.7474
sens-2-gram_10%	0.8421	0.1579	0.8421	0.2588	0.7339
sens-3-gram_10%	0.7947	0.2053	0.7947	0.2742	0.7111
sens-4-gram_10%	0.7632	0.2368	0.7632	0.1509	0.7327
sensorless_10%	0.9971	0.0005	0.9971	0.9968	0.0064
shoppers_10%	0.8759	0.1241	0.8759	0.5917	0.6092
shuttle_10%	0.9714	0.0082	0.9714	0.9235	0.1850

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9549	0.0451	0.9549	0.6880	0.5236
solar-flare_10%	0.7050	0.0983	0.7050	0.6303	0.2680
spambase_10%	0.9391	0.0609	0.9391	0.8725	0.3126
splice-EL_10%	0.9464	0.0536	0.9464	0.8630	0.3437
splice-IE_10%	0.9274	0.0726	0.9274	0.8037	0.4210
sport-articles_10%	0.8000	0.2000	0.8000	0.5893	0.6539
steel_industry_10%	0.8203	0.0685	0.9206	0.7994	0.2890
steel-b_10%	0.8051	0.1949	0.8051	0.4946	0.6817
steel-d_10%	0.9795	0.0205	0.9795	0.6561	0.4708
steel-k_10%	0.9692	0.0308	0.9692	0.9056	0.2424
steel-o_10%	0.7846	0.2154	0.7846	0.5290	0.7124
steel-p_10%	0.9333	0.0667	0.9333	0.5922	0.5733
steel-s_10%	0.9590	0.0410	0.9590	0.5793	0.5618
steel-z_10%	0.9385	0.0615	0.9385	0.7054	0.5218
swarm_aligned_10%	0.9921	0.1042	0.9986	0.9288	0.0054
swarm_flocking_10%	0.9766	0.0807	0.9648	0.9857	0.0609
swarm_grouped_10%	0.9239	0.0860	0.9233	0.9373	0.0634
texture_10%	0.9745	0.0046	0.9745	0.9719	0.0366
theorem_10%	0.9885	0.0115	0.9885	0.9765	0.0840
tis_10%	0.9095	0.0905	0.9095	0.7649	0.4737
titanic_10%	0.7500	0.2500	0.7500	0.4260	0.7766
tuandromd_10%	0.9664	0.0336	0.9664	0.9009	0.2881
wap-wc_10%	0.0064	0.0994	0.0064	0.0024	0.4247
waveform_10%	0.8460	0.1027	0.8460	0.7690	0.3561
web-phishing_10%	0.8519	0.0988	0.8519	0.7395	0.4167
weight-lift_10%	0.9916	0.0339	0.9687	0.9079	0.0580
wifi-loc_10%	0.9950	0.0025	0.9950	0.9933	0.0128
wilt_10%	0.9255	0.0745	0.9255	0.5278	0.5353
winequality-red_10%	0.5535	0.1488	0.5535	0.3382	0.6576
winequality-white_10%	0.5910	0.1169	0.5910	0.4241	0.7616
yeast_10%	0.5608	0.0878	0.5608	0.4438	0.4730
yeastEXC_10%	0.9257	0.0743	0.9257	0.3250	0.4794
yeastME1_10%	0.9595	0.0405	0.9595	0.5542	0.5239
yeastME2_10%	0.8784	0.1216	0.8784	0.1961	0.5431
zip_10%	0.4919	0.1016	0.4919	0.3932	0.6909

Table 242: Detailed results for SVM

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1727	0.0571	0.1727	0.0796	0.4082
abalone19_10%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_10%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_10%	0.9726	0.0274	0.9726	0.8761	0.0941
adult_10%	0.8346	0.1654	0.8346	0.4794	0.6274
AID_1431_10%	0.8952	0.1175	0.8041	-0.0687	0.2210
AID_1878_10%	0.8214	0.1996	0.7894	-0.0392	0.3900
AID_602330_10%	0.8577	0.0888	0.8561	-0.0912	0.2007
AID1608Morered_10%	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red_10%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_10%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_10%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_10%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_10%	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed_10%	1.0000	0.0260	0.9816	-0.0629	0.1017
AID687AID721red_10%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_10%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_10%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_10%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_10%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_10%	0.9388	0.0306	0.9388	0.8811	0.1504
anuran-genus_10%	0.9499	0.0125	0.9499	0.9158	0.1105
anuran-species_10%	0.9583	0.0083	0.9583	0.9417	0.0598
aps-failure_10%	0.9820	0.0180	0.9820	0.0000	0.0617
auction_10%	0.8725	0.1275	0.8725	0.0000	0.2639
avila_10%	0.5228	0.0795	0.5228	0.2536	0.2718
bank_10%	0.9039	0.0961	0.9039	0.3387	0.4999
banknote_10%	0.9854	0.0146	0.9854	0.9705	0.0960
barleyblumeria_10%	0.8917	0.1083	0.8917	0.7529	0.3756
basehock_10%	0.9447	0.0553	0.9447	0.8895	0.2828
biodeg_10%	0.8381	0.1619	0.8381	0.6448	0.5726
car_10%	0.8333	0.0833	0.8333	0.6390	0.2324
cardiotocography_10%	0.7746	0.0451	0.7746	0.7250	0.1936
cardiotocography-nsp_10%	0.8498	0.1002	0.8498	0.5304	0.3954
cargo2k_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_10%	0.6921	0.3024	0.6995	0.4667	0.7426
census10%_10%	0.9499	0.0501	0.9499	0.3083	0.2896
cjs_10%	0.9929	0.0024	0.9929	0.9913	0.0123
clave_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_10%	0.4966	0.3356	0.4966	0.1899	0.7070
cnae-9_10%	0.8704	0.0288	0.8704	0.8530	0.1362
codon_usage_10%	0.9020	0.0522	0.9394	0.8649	0.1059
coil20_10%	0.9931	0.0007	0.9931	0.9927	0.0048
connect-4_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne_10%	0.7596	0.2404	0.7596	0.5196	0.7277
coupon_10%	0.6924	0.3076	0.6924	0.3649	0.8330
covtypeCD_10%	0.9125	0.0875	0.9125	0.6414	0.5604
covtypeT_10%	0.9335	0.0665	0.9335	0.2736	0.5072
crowdsourced_10%	0.8710	0.0430	0.8710	0.7087	0.1768
default_10%	0.7840	0.2160	0.7840	0.0613	0.4946
deposit_10%	0.8921	0.1079	0.8921	0.2430	0.5146
diabetic10%_10%	0.5619	0.2921	0.5619	0.1034	0.5187
dropout_10%	0.7494	0.1670	0.7494	0.5702	0.4670

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02_10%	0.5160	0.1383	0.5160	0.0000	0.2906
drug-03_10%	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04_10%	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05_10%	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06_10%	0.4468	0.1581	0.4468	0.2805	0.3666
drug-07_10%	0.4309	0.1626	0.4309	0.0000	0.2460
drug-08_10%	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09_10%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_10%	0.5638	0.1246	0.5638	0.0637	0.2658
drug-11_10%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_10%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_10%	0.6117	0.1109	0.6117	0.1857	0.3240
drug-14_10%	0.5798	0.1201	0.5798	0.0402	0.2604
drug-15_10%	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16_10%	0.5319	0.1337	0.5319	0.1484	0.4091
drug-17_10%	0.3670	0.1809	0.3670	0.1016	0.4346
drug-18_10%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_10%	0.7713	0.0654	0.7713	0.0000	0.1604
drybean_10%	0.9229	0.0220	0.9229	0.9067	0.1219
eeg_10%	0.3815	0.0773	0.3815	0.3070	0.5526
eeg-eye_10%	0.5507	0.4493	0.5507	0.0000	0.5178
euthyroid_10%	0.9019	0.0981	0.9019	0.0000	0.2206
fbis-wc_10%	0.2073	0.0933	0.2073	0.0000	0.3511
fonts10%_10%	0.4818	0.1118	0.4765	0.3500	0.3610
gas_10%	0.9835	0.0055	0.9835	0.9799	0.0423
gender_10%	0.5895	0.2737	0.5895	0.0000	0.3139
gene_10%	0.9085	0.0610	0.9085	0.8544	0.2495
german_10%	0.6900	0.3100	0.6900	0.1842	0.7064
gina_10%	0.8761	0.1239	0.8761	0.7517	0.4900
hapt_10%	0.9442	0.0093	0.9442	0.9339	0.0540
hiv1-proteasa_10%	0.8887	0.1113	0.8887	0.5412	0.5295
hiva_10%	0.9645	0.0355	0.9645	0.0000	0.1045
htru2_10%	0.9581	0.0419	0.9581	0.6853	0.1535
hypothyroid_10%	0.9310	0.0345	0.9310	0.4662	0.1977
hypothyroidT_10%	0.9363	0.0637	0.9363	0.2778	0.1636
isolet_10%	0.9281	0.0055	0.9281	0.9252	0.0667
jm1_10%	0.8072	0.1928	0.8072	0.0076	0.3447
jvowels_10%	0.9438	0.0125	0.9438	0.9362	0.0857
kc1_10%	0.8483	0.1517	0.8483	0.0501	0.2969
krkopt_10%	0.2706	0.0810	0.2706	0.1516	0.4776
krvskp_10%	0.9248	0.0752	0.9248	0.8489	0.3558
la1s-wc_10%	0.3094	0.2762	0.3094	-0.0034	0.3981
la2s-wc_10%	0.3149	0.2740	0.3149	0.0000	0.3621
letter_10%	0.8050	0.0150	0.8050	0.7971	0.1973
madelon_10%	0.5077	0.4923	0.5077	0.0154	0.9953
magic04_10%	0.7722	0.2278	0.7722	0.4742	0.7200
maternal_10%	0.6337	0.2442	0.6337	0.4315	0.5400
messidor_10%	0.7391	0.2609	0.7391	0.4765	0.7604
mfeat-fac_10%	0.9650	0.0070	0.9650	0.9609	0.0445
mfeat-fou_10%	0.8050	0.0390	0.8050	0.7827	0.1383
mfeat-kar_10%	0.9300	0.0140	0.9300	0.9221	0.0819
mfeat-mor_10%	0.7500	0.0500	0.7500	0.7213	0.2061
mfeat-pix_10%	0.9700	0.0060	0.9700	0.9665	0.0384
mfeat-zer_10%	0.8450	0.0310	0.8450	0.8276	0.1035
mice-prot_10%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_10%	0.7902	0.0075	0.7902	0.7864	0.0949
mushroom_10%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.9182	0.0818	0.9182	0.6162	0.3296
MUT_ci300400a_10%	0.7712	0.2144	0.6878	0.5755	0.7358
MUT_ci300400a.cdk.ECFP2_10%	0.7466	0.1911	0.7504	0.5715	0.6800
myocardial_10%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_10%	0.9284	0.0716	0.9284	0.8568	0.3301
newspop_10%	0.5729	0.4271	0.5729	0.1321	0.9473
NHANES_age_prediction_10%	0.9231	0.0355	0.9287	0.9443	0.0263
nomao_10%	0.9382	0.0618	0.9382	0.8486	0.3480
nursery_10%	0.9151	0.0340	0.9151	0.8306	0.0603
obs_10%	0.6759	0.1620	0.6759	0.4741	0.3211
occupancy_10%	0.2310	0.7690	0.2310	0.0000	0.4241
Occupancy_Estimation_10%	0.8968	0.0524	0.9628	0.9582	0.0681
oh0-wc_10%	0.2000	0.1600	0.2000	0.0000	0.3757
oh10-wc_10%	0.1524	0.1695	0.1524	-0.0003	0.4003
optdigits_10%	0.9591	0.0082	0.9591	0.9545	0.0560
optdigitsZ_10%	0.9964	0.0036	0.9964	0.9776	0.0175
ozone1hr_10%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_10%	0.9249	0.0751	0.9249	0.0000	0.1826
P-Glycoprotein_b_Inhibitor_10%	0.7713	0.1979	0.8481	0.5937	0.5683
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.8142	0.1857	0.8043	0.7881	0.5530
p53-mutants10%_10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_10%	0.9378	0.0249	0.9378	0.5497	0.1535
parkinson_10%	0.9667	0.0333	0.9667	0.9310	0.2012
pc1_10%	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac_10%	0.5670	0.4330	0.5670	-0.0225	0.7420
pendigits_10%	0.9627	0.0075	0.9627	0.9585	0.0599
phishing_10%	0.9020	0.0980	0.9020	0.7937	0.4342
phoneme_10%	0.7722	0.2278	0.7722	0.4290	0.7578
phy_10%	0.7006	0.2994	0.7006	0.4012	0.8203
polish-1st_10%	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd_10%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_10%	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th_10%	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th_10%	0.9306	0.0694	0.9306	0.0000	0.1724
polya_10%	0.7903	0.2097	0.7903	0.5199	0.6795
popularity_10%	0.6313	0.2458	0.6313	0.0000	0.2921
postures_10%	0.8425	0.0630	0.8425	0.8031	0.2523
re0-wc_10%	0.4067	0.0913	0.4067	0.0000	0.2775
re1-wc_10%	0.2364	0.0611	0.2364	0.0081	0.3277
rejafada_10%	0.9648	0.0352	0.9648	0.0000	0.1039
relathe_10%	1.0000	0.0000	1.0000	1.0000	0.0000
rocket_10%	0.6023	0.3977	0.6023	0.1493	0.9314
satimage_10%	0.8305	0.0565	0.8305	0.7881	0.2010
satimageF_10%	0.9813	0.0187	0.9813	0.8974	0.1179
satimageT_10%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_10%	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom_10%	0.9819	0.0970	0.9021	0.8983	0.0041
segment_10%	0.9221	0.0223	0.9221	0.9089	0.0914
segmentO_10%	0.9957	0.0043	0.9957	0.9825	0.0218
seismic_10%	0.9341	0.0659	0.9341	0.0000	0.1661
semeion_10%	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram_10%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_10%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram_10%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram_10%	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless_10%	0.8595	0.0255	0.8595	0.8453	0.1181
shoppers_10%	0.8783	0.1217	0.8783	0.3709	0.4841
shuttle_10%	0.8429	0.0449	0.8429	0.3769	0.2088

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9337	0.0663	0.9337	0.0000	0.1669
solar-flare_10%	0.7482	0.0839	0.7482	0.6752	0.1759
spambase_10%	0.8913	0.1087	0.8913	0.7656	0.4090
splice-EL_10%	0.9432	0.0568	0.9432	0.8544	0.3559
splice-IE_10%	0.8801	0.1199	0.8801	0.6418	0.5235
sport-articles_10%	0.8200	0.1800	0.8200	0.5862	0.5594
steel_industry_10%	0.8272	0.1691	0.8242	0.7265	0.2866
steel-b_10%	0.7897	0.2103	0.7897	0.0000	0.3630
steel-d_10%	0.9692	0.0308	0.9692	0.0000	0.0938
steel-k_10%	0.9538	0.0462	0.9538	0.8516	0.2615
steel-o_10%	0.7179	0.2821	0.7179	0.2603	0.6351
steel-p_10%	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s_10%	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z_10%	0.9026	0.0974	0.9026	0.0000	0.2196
swarm_aligned_10%	0.9204	0.0220	0.9892	0.9376	0.0000
swarm_flocking_10%	0.8954	0.1074	0.9756	1.0000	0.0686
swarm_grouped_10%	0.9633	0.0590	1.0000	0.9552	0.0211
texture_10%	0.9945	0.0010	0.9945	0.9940	0.0082
theorem_10%	1.0000	0.0000	1.0000	1.0000	0.0000
tis_10%	0.8788	0.1212	0.8788	0.6581	0.5372
titanic_10%	0.8182	0.1818	0.8182	0.5545	0.6262
tuandromd_10%	0.9753	0.0247	0.9753	0.9250	0.2294
wap-wc_10%	0.2179	0.0782	0.2179	0.0000	0.3441
waveform_10%	0.8380	0.1080	0.8380	0.7570	0.3647
web-phishing_10%	0.7704	0.1531	0.7704	0.5620	0.3624
weight-lift_10%	0.6724	0.1311	0.6724	0.5872	0.4743
wifi-loc_10%	0.9900	0.0050	0.9900	0.9867	0.0257
wilt_10%	0.9503	0.0497	0.9503	0.0000	0.1349
winequality-red_10%	0.5597	0.1468	0.5597	0.2542	0.3281
winequality-white_10%	0.5153	0.1385	0.5153	0.1876	0.3878
yeast_10%	0.5135	0.0973	0.5135	0.3666	0.3441
yeastEXC_10%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1_10%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2_10%	0.9527	0.0473	0.9527	0.0000	0.1300
zip_10%	0.5501	0.0900	0.5501	0.2558	0.4877

Table 243: Detailed results for Stacking

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1535	0.0584	0.1535	0.0663	0.4534
abalone19_10%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_10%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_10%	0.8848	0.1222	0.9897	0.8620	0.1627
adult_10%	0.8497	0.1503	0.8497	0.5399	0.6016
AID_1431_10%	0.9061	0.1787	0.8837	-0.0872	0.2287
AID_1878_10%	0.8156	0.2157	0.7235	-0.0453	0.3280
AID_602330_10%	0.9503	0.0894	0.9309	-0.0394	0.1136
AID1608Moredred_10%	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red_10%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_10%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_10%	1.0000	0.1101	0.9857	-0.1065	0.0997
AID373red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_10%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_10%	0.9203	0.0000	1.0000	0.0893	0.4766
AID604AID644_AllRed_10%	0.9437	0.1074	0.8904	-0.0971	0.0722
AID687AID721red_10%	0.9911	0.0000	0.9240	-0.0230	0.0000
AID687red_10%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_10%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_10%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_10%	0.9972	0.0028	0.9972	0.7987	0.0133
anuran-family_10%	0.9791	0.0104	0.9791	0.9600	0.0495
anuran-genus_10%	0.9777	0.0056	0.9777	0.9633	0.0825
anuran-species_10%	0.9806	0.0039	0.9806	0.9729	0.0392
aps-failure_10%	0.9401	0.0053	0.9245	0.7483	0.2676
auction_10%	0.9608	0.0392	0.9608	0.8113	0.2895
avila_10%	0.9574	0.0071	0.9574	0.9445	0.1022
bank_10%	0.9036	0.0964	0.9036	0.3999	0.5705
banknote_10%	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria_10%	0.8986	0.1014	0.8986	0.7703	0.3741
basehock_10%	0.9698	0.0302	0.9698	0.9397	0.1825
biodeg_10%	0.8762	0.1238	0.8762	0.7362	0.5083
car_10%	0.9425	0.0287	0.9425	0.8794	0.2205
cardiotocography_10%	0.8592	0.0282	0.8592	0.8301	0.1499
cardiotocography-nsp_10%	0.9437	0.0376	0.9437	0.8367	0.2007
cargo2k_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_10%	0.7363	0.3175	0.7095	0.4823	0.7897
census10%_10%	0.9405	0.0595	0.9405	0.0823	0.3378
cjs_10%	0.9786	0.0071	0.9786	0.9739	0.0446
clave_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_10%	0.5442	0.3039	0.5442	0.2711	0.6949
cnae-9_10%	0.9444	0.0123	0.9444	0.9370	0.0655
codon_usage_10%	0.9409	0.1126	0.9095	0.8674	0.1970
coil20_10%	0.9583	0.0042	0.9583	0.9561	0.0299
connect-4_10%	0.9779	0.0067	0.9794	0.8974	0.0376
cottonmeloidogyne_10%	0.7572	0.2428	0.7572	0.5147	0.7357
coupon_10%	0.7563	0.2437	0.7563	0.4981	0.7415
covtypeCD_10%	0.9761	0.0239	0.9761	0.8970	0.2230
covtypeT_10%	0.9738	0.0262	0.9738	0.7779	0.2845
crowdsourced_10%	0.9493	0.0169	0.9493	0.8944	0.1130
default_10%	0.8210	0.1790	0.8210	0.3792	0.6597
deposit_10%	0.9009	0.0991	0.9009	0.4090	0.5749
diabetic10%_10%	0.5727	0.2849	0.5727	0.1444	0.5488
dropout_10%	0.7652	0.1565	0.7652	0.6031	0.4653

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.4096	0.1687	0.4096	0.0602	0.4376
drug-02_10%	0.5372	0.1322	0.5372	0.1440	0.4767
drug-03_10%	0.6968	0.0866	0.6968	0.0360	0.1931
drug-04_10%	0.5426	0.1307	0.5426	0.1269	0.4210
drug-05_10%	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06_10%	0.4202	0.1657	0.4202	0.2638	0.5457
drug-07_10%	0.3989	0.1717	0.3989	-0.0433	0.3478
drug-08_10%	0.5585	0.1261	0.5585	0.0903	0.3585
drug-09_10%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_10%	0.5319	0.1337	0.5319	0.0911	0.4846
drug-11_10%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_10%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_10%	0.6011	0.1140	0.6011	0.2045	0.3855
drug-14_10%	0.6011	0.1140	0.6011	0.2491	0.5221
drug-15_10%	0.7553	0.0699	0.7553	0.0078	0.2431
drug-16_10%	0.5745	0.1216	0.5745	0.2855	0.4721
drug-17_10%	0.3564	0.1839	0.3564	0.1037	0.5336
drug-18_10%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_10%	0.7660	0.0669	0.7660	-0.0068	0.2303
drybean_10%	0.9251	0.0214	0.9251	0.9094	0.1253
eeg_10%	0.4857	0.0643	0.4857	0.4291	0.5736
eeg-eye_10%	0.9019	0.0981	0.9019	0.8014	0.4278
euthyroid_10%	0.9747	0.0253	0.9747	0.8434	0.1810
fbis-wc_10%	0.2154	0.0923	0.2154	0.0443	0.4363
fonts10%_10%	0.4641	0.0657	0.4964	0.5062	0.6249
gas_10%	0.9942	0.0019	0.9942	0.9930	0.0152
gender_10%	0.6084	0.2611	0.6084	0.1064	0.4604
gene_10%	0.9243	0.0505	0.9243	0.8784	0.2290
german_10%	0.7000	0.3000	0.7000	0.2288	0.7345
gina_10%	0.9510	0.0490	0.9510	0.9019	0.2606
hapt_10%	0.9515	0.0081	0.9515	0.9427	0.0549
hiv1-proteasa_10%	0.8870	0.1130	0.8870	0.5188	0.5075
hiva_10%	0.9622	0.0378	0.9622	-0.0045	0.3546
htru2_10%	0.9777	0.0223	0.9777	0.8554	0.1927
hypothyroid_10%	0.9814	0.0093	0.9814	0.8895	0.1672
hypothyroidT_10%	0.9682	0.0318	0.9682	0.7524	0.3180
isolet_10%	0.8806	0.0092	0.8806	0.8758	0.1015
jml_10%	0.8209	0.1791	0.8209	0.1763	0.5418
jvowels_10%	0.9739	0.0058	0.9739	0.9704	0.0461
kc1_10%	0.8768	0.1232	0.8768	0.3800	0.5034
krkopt_10%	0.7398	0.0289	0.7398	0.7075	0.2700
krvskp_10%	0.9530	0.0470	0.9530	0.9054	0.2557
la1s-wc_10%	0.3125	0.2750	0.3125	0.0033	0.4405
la2s-wc_10%	0.3117	0.2753	0.3117	-0.0040	0.3865
letter_10%	0.8985	0.0078	0.8985	0.8944	0.1133
madelon_10%	0.6577	0.3423	0.6577	0.3154	0.8705
magic04_10%	0.8711	0.1289	0.8711	0.7092	0.5110
maternal_10%	0.8218	0.1188	0.8218	0.7280	0.3814
messidor_10%	0.6696	0.3304	0.6696	0.3246	0.8615
mfeat-fac_10%	0.9300	0.0140	0.9300	0.9217	0.0793
mfeat-fou_10%	0.8200	0.0360	0.8200	0.7990	0.1328
mfeat-kar_10%	0.9250	0.0150	0.9250	0.9165	0.0934
mfeat-mor_10%	0.7550	0.0490	0.7550	0.7272	0.2246
mfeat-pix_10%	0.9500	0.0100	0.9500	0.9442	0.0622
mfeat-zer_10%	0.8650	0.0270	0.8650	0.8497	0.1312
mice-prot_10%	0.9907	0.0023	0.9907	0.9894	0.0120
mobile_10%	0.6783	0.0115	0.6783	0.6724	0.1400
mushroom_10%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.9470	0.0530	0.9470	0.7662	0.1937
MUT_ci300400a_10%	0.8206	0.1914	0.7629	0.6220	0.5993
MUT_ci300400a.cdk.ECFP2_10%	0.8121	0.2633	0.7834	0.5880	0.6215
myocardial_10%	0.8765	0.0309	0.8765	0.3717	0.1738
naticusdroid_10%	0.9673	0.0327	0.9673	0.9345	0.1932
newspop_10%	0.6713	0.3287	0.6713	0.3366	0.8558
NHANES_age_prediction_10%	0.9278	0.0729	0.9533	0.9644	0.0466
nomao_10%	0.9600	0.0400	0.9600	0.9016	0.2522
nursery_10%	0.9691	0.0123	0.9691	0.9422	0.0364
obs_10%	0.9722	0.0139	0.9722	0.9588	0.0686
occupancy_10%	0.9893	0.0107	0.9893	0.9704	0.1237
Occupancy_Estimation_10%	0.9755	0.1076	0.9029	0.9471	0.0486
oh0-wc_10%	0.1900	0.1620	0.1900	0.0022	0.4651
oh10-wc_10%	0.2000	0.1600	0.2000	0.0487	0.4365
optdigits_10%	0.9626	0.0075	0.9626	0.9585	0.0551
optdigitsZ_10%	0.9964	0.0036	0.9964	0.9776	0.0175
ozone1hr_10%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_10%	0.9249	0.0751	0.9249	0.0000	0.1826
P-Glycoprotein_b_Inhibitor_10%	0.8247	0.1852	0.7851	0.6422	0.6409
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.8644	0.1999	0.8987	0.7642	0.4845
p53-mutants10%_10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_10%	0.9781	0.0088	0.9781	0.8694	0.0778
parkinson_10%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_10%	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac_10%	0.5825	0.4175	0.5825	0.0000	0.5072
pendigits_10%	0.9854	0.0029	0.9854	0.9838	0.0252
phishing_10%	0.9551	0.0449	0.9551	0.9056	0.2507
phoneme_10%	0.9037	0.0963	0.9037	0.7571	0.4518
phy_10%	0.6300	0.3309	0.6949	0.3773	0.8415
polish-1st_10%	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd_10%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_10%	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th_10%	0.9459	0.0541	0.9459	-0.0020	0.2498
polish-5th_10%	0.9492	0.0508	0.9492	0.4608	0.3502
polya_10%	0.7849	0.2151	0.7849	0.5127	0.6992
popularity_10%	0.5738	0.2818	0.6637	0.1049	0.4585
postures_10%	0.8873	0.0098	0.8998	0.8821	0.0876
re0-wc_10%	0.4133	0.0903	0.4133	0.0155	0.2770
re1-wc_10%	0.2364	0.0611	0.2364	0.0383	0.3909
rejafada_10%	0.9950	0.0050	0.9950	0.9205	0.0223
relathe_10%	0.9930	0.0070	0.9930	0.9858	0.0469
rocket_10%	0.6792	0.3208	0.6792	0.3341	0.8527
satimage_10%	0.9020	0.0327	0.9020	0.8789	0.1551
satimageF_10%	0.9907	0.0093	0.9907	0.9513	0.1170
satimageT_10%	0.9362	0.0638	0.9362	0.5550	0.3705
secom_10%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_10%	0.9739	0.1061	0.9732	0.9335	0.0000
segment_10%	0.9740	0.0074	0.9740	0.9696	0.0338
segmentO_10%	1.0000	0.0000	1.0000	1.0000	0.0000
seismic_10%	0.9341	0.0659	0.9341	0.0000	0.1661
semeion_10%	1.0000	0.0000	1.0000	1.0000	0.0000
sens-1-gram_10%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_10%	0.8711	0.1289	0.8711	0.0342	0.2664
sens-3-gram_10%	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram_10%	0.8632	0.1368	0.8632	-0.0102	0.4508
sensorless_10%	0.9969	0.0006	0.9969	0.9966	0.0072
shoppers_10%	0.8921	0.1079	0.8921	0.5066	0.5334
shuttle_10%	0.9953	0.0013	0.9953	0.9867	0.0080

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9708	0.0292	0.9708	0.7038	0.0927
solar-flare_10%	0.7266	0.0911	0.7266	0.6467	0.1973
spambase_10%	0.9239	0.0761	0.9239	0.8389	0.3492
splice-EL_10%	0.9464	0.0536	0.9464	0.8651	0.3399
splice-IE_10%	0.8959	0.1041	0.8959	0.7208	0.5203
sport-articles_10%	0.8300	0.1700	0.8300	0.6333	0.6202
steel_industry_10%	0.8932	0.1149	0.9243	0.8649	0.2016
steel-b_10%	0.8308	0.1692	0.8308	0.4858	0.6924
steel-d_10%	0.9795	0.0205	0.9795	0.4922	0.0689
steel-k_10%	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o_10%	0.7846	0.2154	0.7846	0.5020	0.6989
steel-p_10%	0.9179	0.0821	0.9179	0.0946	0.4184
steel-s_10%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_10%	0.9692	0.0308	0.9692	0.8251	0.3478
swarm_aligned_10%	0.9635	0.0631	0.9412	0.9896	0.0257
swarm_flocking_10%	0.9984	0.0035	0.9918	0.9184	0.0353
swarm_grouped_10%	0.9730	0.0671	0.9412	0.9709	0.0741
texture_10%	0.9782	0.0040	0.9782	0.9759	0.0340
theorem_10%	0.9951	0.0049	0.9951	0.9899	0.0331
tis_10%	0.9028	0.0972	0.9028	0.7308	0.4727
titanic_10%	0.8091	0.1909	0.8091	0.5247	0.6309
tuandromd_10%	0.9843	0.0157	0.9843	0.9519	0.1658
wap-wc_10%	0.2179	0.0782	0.2179	0.0000	0.3441
waveform_10%	0.8420	0.1053	0.8420	0.7630	0.3614
web-phishing_10%	0.8296	0.1136	0.8296	0.6906	0.4142
weight-lift_10%	0.9130	0.0286	0.9425	0.9425	0.0639
wifi-loc_10%	0.9950	0.0025	0.9950	0.9933	0.0128
wilt_10%	0.9814	0.0186	0.9814	0.7811	0.2593
winequality-red_10%	0.6415	0.1195	0.6415	0.4136	0.3454
winequality-white_10%	0.6667	0.0952	0.6667	0.4814	0.3885
yeast_10%	0.5676	0.0865	0.5676	0.4362	0.3518
yeastEXC_10%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1_10%	0.9797	0.0203	0.9797	0.3934	0.0680
yeastME2_10%	0.9527	0.0473	0.9527	0.0000	0.1300
zip_10%	0.6136	0.0773	0.6136	0.4268	0.5485

Table 244: Detailed results for BoostForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1679	0.0574	0.1679	0.0904	0.5931
abalone19_10%	0.9880	0.0120	0.9880	-0.0058	0.5581
accelerometer_10%	0.9803	0.0197	0.9803	0.2324	0.5105
ads_10%	0.9377	0.0627	0.9255	0.9102	0.1607
adult_10%	0.8305	0.1695	0.8305	0.5274	0.6761
AID_1431_10%	0.9048	0.1015	0.9083	-0.1099	0.5035
AID_1878_10%	0.7562	0.1969	0.7919	0.1619	0.6657
AID_602330_10%	0.9472	0.0834	0.8517	-0.0854	0.5534
AID1608Morered_10%	0.8641	0.1359	0.8641	-0.0729	0.6742
AID1608red_10%	0.9320	0.0680	0.9320	0.1908	0.6167
AID362red_10%	0.9509	0.0491	0.9509	0.0676	0.4085
AID373AID439red_10%	0.9167	0.0872	0.9102	-0.0205	0.5285
AID373red_10%	0.9783	0.0217	0.9783	-0.0019	0.0706
AID456red_10%	0.9900	0.0100	0.9900	-0.0042	0.3744
AID604_10%	0.9167	0.0416	0.9764	0.6839	0.2017
AID604AID644_AllRed_10%	0.9050	0.0490	0.9673	-0.0759	0.0107
AID687AID721red_10%	0.9636	0.0942	0.9320	-0.0094	0.0852
AID687red_10%	0.9764	0.0236	0.9764	-0.0053	0.1869
AID688red_10%	0.9757	0.0243	0.9757	-0.0116	0.4627
AID746AID1284red_10%	0.9781	0.0219	0.9781	-0.0019	0.0701
AID746red_10%	0.9739	0.0261	0.9739	0.0398	0.3281
anuran-f-b_10%	1.0000	0.0000	1.0000	1.0000	0.0000
anuran-family_10%	0.9847	0.0076	0.9847	0.9707	0.0377
anuran-genus_10%	0.9903	0.0024	0.9903	0.9840	0.0520
anuran-species_10%	0.9875	0.0025	0.9875	0.9826	0.0181
aps-failure_10%	0.9674	0.0613	0.9285	0.7309	0.1767
auction_10%	0.9608	0.0392	0.9608	0.8113	0.2895
avila_10%	0.9626	0.0062	0.9626	0.9512	0.0989
bank_10%	0.9058	0.0942	0.9058	0.4966	0.6064
banknote_10%	0.9927	0.0073	0.9927	0.9852	0.0564
barleyblumeria_10%	0.9009	0.0991	0.9009	0.7765	0.3794
basehock_10%	0.9397	0.0603	0.9397	0.8794	0.2991
biodeg_10%	0.8952	0.1048	0.8952	0.7768	0.4558
car_10%	0.9770	0.0115	0.9770	0.9510	0.1377
cardiotocography_10%	0.8357	0.0329	0.8357	0.8033	0.2114
cardiotocography-nsp_10%	0.9249	0.0501	0.9249	0.7864	0.2737
cargo2k_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_10%	0.7053	0.2328	0.6895	0.5137	0.7260
census10%_10%	0.9362	0.0638	0.9362	0.3717	0.6075
cjs_10%	0.9679	0.0107	0.9679	0.9608	0.0703
clave_10%	0.9926	0.0074	0.9926	0.9736	0.1086
cmc_10%	0.5034	0.3311	0.5034	0.2294	0.7440
cnae-9_10%	0.8704	0.0288	0.8704	0.8531	0.1347
codon_usage_10%	0.8645	0.1143	0.9132	0.9149	0.1370
coil20_10%	0.9792	0.0021	0.9792	0.9781	0.0148
connect-4_10%	0.9478	0.0756	0.9495	0.5592	0.3132
cottonmeloidogyne_10%	0.7476	0.2524	0.7476	0.4952	0.7536
coupon_10%	0.7484	0.2516	0.7484	0.4832	0.7555
covtypeCD_10%	0.9737	0.0263	0.9737	0.8922	0.2937
covtypeT_10%	0.9779	0.0221	0.9779	0.8366	0.3591
crowdsourced_10%	0.9401	0.0200	0.9401	0.8747	0.1349
default_10%	0.8123	0.1877	0.8123	0.3944	0.7144
deposit_10%	0.8958	0.1042	0.8958	0.4542	0.6297
diabetic10%_10%	0.5550	0.2967	0.5550	0.1238	0.5670
dropout_10%	0.7607	0.1595	0.7607	0.5964	0.4640

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.3511	0.1854	0.3511	0.0195	0.6302
drug-02_10%	0.5106	0.1398	0.5106	0.2005	0.6939
drug-03_10%	0.7021	0.0851	0.7021	0.2005	0.3542
drug-04_10%	0.5053	0.1413	0.5053	0.1399	0.6641
drug-05_10%	0.7287	0.0775	0.7287	-0.0059	0.2764
drug-06_10%	0.3723	0.1793	0.3723	0.2176	0.6563
drug-07_10%	0.3936	0.1733	0.3936	-0.0060	0.4588
drug-08_10%	0.5319	0.1337	0.5319	0.1639	0.5968
drug-09_10%	0.8723	0.0365	0.8723	0.0699	0.1044
drug-10_10%	0.5106	0.1398	0.5106	0.1142	0.6536
drug-11_10%	0.8564	0.0410	0.8564	0.1348	0.1917
drug-12_10%	0.7872	0.0608	0.7872	0.0108	0.2191
drug-13_10%	0.5638	0.1246	0.5638	0.1849	0.5392
drug-14_10%	0.5851	0.1185	0.5851	0.2820	0.5754
drug-15_10%	0.7606	0.0684	0.7606	0.1698	0.4083
drug-16_10%	0.5638	0.1246	0.5638	0.3001	0.5487
drug-17_10%	0.3617	0.1824	0.3617	0.1432	0.7375
drug-18_10%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_10%	0.7500	0.0714	0.7500	0.0492	0.3773
drybean_10%	0.9236	0.0218	0.9236	0.9076	0.1276
eeg_10%	0.5577	0.0553	0.5577	0.5083	0.5033
eeg-eye_10%	0.9146	0.0854	0.9146	0.8265	0.3818
euthyroid_10%	0.9652	0.0348	0.9652	0.8061	0.3831
fbis-wc_10%	0.1057	0.1052	0.1057	0.0222	0.3863
fonts10%_10%	0.4165	0.0522	0.5066	0.3644	0.2948
gas_10%	0.9907	0.0031	0.9907	0.9887	0.0238
gender_10%	0.5937	0.2709	0.5937	0.1598	0.6653
gene_10%	0.9054	0.0631	0.9054	0.8474	0.2431
german_10%	0.7100	0.2900	0.7100	0.3029	0.8040
gina_10%	0.9452	0.0548	0.9452	0.8904	0.2841
hapt_10%	0.9689	0.0052	0.9689	0.9632	0.0350
hiv1-proteasa_10%	0.8718	0.1282	0.8718	0.5078	0.6252
hiva_10%	0.9362	0.0638	0.9362	0.0360	0.6194
htru2_10%	0.9749	0.0251	0.9749	0.8443	0.2853
hypothyroid_10%	0.9814	0.0093	0.9814	0.8951	0.2135
hypothyroidT_10%	0.9814	0.0186	0.9814	0.8752	0.3202
isolet_10%	0.9101	0.0069	0.9101	0.9065	0.0787
jm1_10%	0.8062	0.1938	0.8062	0.2615	0.7429
jvowels_10%	0.9849	0.0033	0.9849	0.9829	0.0266
kc1_10%	0.8483	0.1517	0.8483	0.2611	0.6660
krkopt_10%	0.7975	0.0225	0.7975	0.7734	0.3608
krvskp_10%	0.9216	0.0784	0.9216	0.8422	0.3679
la1s-wc_10%	0.2313	0.3075	0.2313	-0.0093	0.5111
la2s-wc_10%	0.3019	0.2792	0.3019	-0.0127	0.4878
letter_10%	0.9435	0.0043	0.9435	0.9412	0.0690
madelon_10%	0.6808	0.3192	0.6808	0.3615	0.8444
magic04_10%	0.8711	0.1289	0.8711	0.7088	0.5092
maternal_10%	0.8416	0.1056	0.8416	0.7582	0.3479
messidor_10%	0.7130	0.2870	0.7130	0.4066	0.8021
mfeat-fac_10%	0.9650	0.0070	0.9650	0.9609	0.0454
mfeat-fou_10%	0.8600	0.0280	0.8600	0.8436	0.1097
mfeat-kar_10%	0.9600	0.0080	0.9600	0.9554	0.0508
mfeat-mor_10%	0.6950	0.0610	0.6950	0.6603	0.2557
mfeat-pix_10%	0.9700	0.0060	0.9700	0.9665	0.0354
mfeat-zer_10%	0.8300	0.0340	0.8300	0.8106	0.0941
mice-prot_10%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_10%	0.9266	0.0026	0.9266	0.9252	0.0333
mushroom_10%	0.9446	0.0554	0.9446	0.7523	0.4843

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.9333	0.0667	0.9333	0.7320	0.4311
MUT_ci300400a_10%	0.7876	0.1663	0.8261	0.6737	0.5828
MUT_ci300400a.cdk.ECFP2_10%	0.7442	0.2152	0.8091	0.5988	0.6152
myocardial_10%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_10%	0.8936	0.1064	0.8936	0.7872	0.4064
newspop_10%	0.6526	0.3474	0.6526	0.3001	0.8778
NHANES_age_prediction_10%	0.9930	0.0043	0.9721	0.9533	0.0763
nomao_10%	0.9475	0.0525	0.9475	0.8726	0.3174
nursery_10%	0.9684	0.0127	0.9684	0.9428	0.2328
obs_10%	1.0000	0.0000	1.0000	1.0000	0.0000
occupancy_10%	0.9587	0.0413	0.9587	0.8877	0.3044
Occupancy_Estimation_10%	0.9175	0.0942	0.9105	0.9763	0.0448
oh0-wc_10%	0.1600	0.1680	0.1600	-0.0171	0.5450
oh10-wc_10%	0.2095	0.1581	0.2095	0.0609	0.4608
optdigits_10%	0.9698	0.0060	0.9698	0.9664	0.0450
optdigitsZ_10%	0.9947	0.0053	0.9947	0.9674	0.1218
ozone1hr_10%	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr_10%	0.9328	0.0672	0.9328	0.2410	0.3595
P-Glycoprotein_b_Inhibitor_10%	0.8413	0.2370	0.8480	0.6062	0.6229
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.7807	0.1023	0.7890	0.6792	0.5498
p53-mutants10%_10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks_10%	0.9726	0.0110	0.9726	0.8469	0.2041
parkinson_10%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_10%	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac_10%	0.5000	0.5000	0.5000	-0.0191	0.9939
pendigits_10%	0.9936	0.0013	0.9936	0.9929	0.0119
phishing_10%	0.9020	0.0980	0.9020	0.7960	0.4379
phoneme_10%	0.8852	0.1148	0.8852	0.7206	0.5227
phy_10%	0.6826	0.2975	0.6164	0.4050	0.8185
polish-1st_10%	0.9559	0.0441	0.9559	-0.0100	0.4925
polish-2nd_10%	0.9489	0.0511	0.9489	0.0501	0.6095
polish-3rd_10%	0.9476	0.0524	0.9476	0.0237	0.4710
polish-4th_10%	0.9429	0.0571	0.9429	0.3052	0.5902
polish-5th_10%	0.9442	0.0558	0.9442	0.4794	0.5082
polya_10%	0.7762	0.2238	0.7762	0.4874	0.7076
popularity_10%	0.5561	0.3144	0.5237	0.0272	0.6676
postures_10%	0.9290	0.1069	0.9018	0.9311	0.1024
re0-wc_10%	0.1600	0.1292	0.1600	0.0394	0.3471
re1-wc_10%	0.0909	0.0727	0.0909	0.0133	0.4022
rejafada_10%	0.9950	0.0050	0.9950	0.9307	0.2605
relathe_10%	0.9789	0.0211	0.9789	0.9575	0.1395
rocket_10%	0.6401	0.3599	0.6401	0.2556	0.8937
satimage_10%	0.9082	0.0306	0.9082	0.8865	0.1478
satimageF_10%	0.9891	0.0109	0.9891	0.9428	0.1232
satimageT_10%	0.9456	0.0544	0.9456	0.6389	0.3438
secom_10%	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom_10%	0.9251	0.0883	0.9880	0.9826	0.0633
segment_10%	0.9437	0.0161	0.9437	0.9342	0.0772
segmentO_10%	0.9827	0.0173	0.9827	0.9342	0.2317
seismic_10%	0.8992	0.1008	0.8992	0.0808	0.6856
semeion_10%	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram_10%	0.8474	0.1526	0.8474	-0.0110	0.6791
sens-2-gram_10%	0.8658	0.1342	0.8658	0.0994	0.5596
sens-3-gram_10%	0.8711	0.1289	0.8711	0.1116	0.4810
sens-4-gram_10%	0.8658	0.1342	0.8658	0.0754	0.5299
sensorless_10%	0.9962	0.0007	0.9962	0.9959	0.0081
shoppers_10%	0.8994	0.1006	0.8994	0.5895	0.5645
shuttle_10%	0.9952	0.0014	0.9952	0.9863	0.3160

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9682	0.0318	0.9682	0.6981	0.2956
solar-flare_10%	0.7338	0.0887	0.7338	0.6595	0.2384
spambase_10%	0.9109	0.0891	0.9109	0.8102	0.3808
splice-EL_10%	0.9432	0.0568	0.9432	0.8578	0.3507
splice-IE_10%	0.9211	0.0789	0.9211	0.7847	0.4403
sport-articles_10%	0.8400	0.1600	0.8400	0.6490	0.5884
steel_industry_10%	0.8971	0.1377	0.8418	0.8237	0.2959
steel-b_10%	0.8513	0.1487	0.8513	0.5481	0.6496
steel-d_10%	0.9795	0.0205	0.9795	0.5899	0.3873
steel-k_10%	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o_10%	0.8154	0.1846	0.8154	0.5731	0.6322
steel-p_10%	0.9333	0.0667	0.9333	0.4474	0.5093
steel-s_10%	0.9846	0.0154	0.9846	0.7920	0.3007
steel-z_10%	0.9538	0.0462	0.9538	0.7549	0.4647
swarm_aligned_10%	0.9036	0.0883	0.9605	1.0000	0.0000
swarm_flocking_10%	0.9711	0.0756	0.9693	0.8979	0.0358
swarm_grouped_10%	0.9969	0.1021	0.9587	0.8917	0.0382
texture_10%	0.9909	0.0017	0.9909	0.9900	0.0146
theorem_10%	0.9689	0.0311	0.9689	0.9360	0.1871
tis_10%	0.8975	0.1025	0.8975	0.6977	0.4185
titanic_10%	0.8091	0.1909	0.8091	0.5247	0.6309
tuandromd_10%	0.9709	0.0291	0.9709	0.9084	0.2179
wap-wc_10%	0.1090	0.0891	0.1090	-0.0142	0.4356
waveform_10%	0.8420	0.1053	0.8420	0.7630	0.3636
web-phishing_10%	0.8370	0.1086	0.8370	0.7097	0.4388
weight-lift_10%	0.9927	0.0054	1.0000	0.9111	0.0330
wifi-loc_10%	0.9850	0.0075	0.9850	0.9800	0.0340
wilt_10%	0.9834	0.0166	0.9834	0.8096	0.2500
winequality-red_10%	0.6667	0.1111	0.6667	0.4765	0.4899
winequality-white_10%	0.6687	0.0947	0.6687	0.4999	0.6107
yeast_10%	0.5608	0.0878	0.5608	0.4271	0.3457
yeastEXC_10%	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME1_10%	0.9797	0.0203	0.9797	0.5613	0.4507
yeastME2_10%	0.9392	0.0608	0.9392	0.1527	0.6285
zip_10%	0.6405	0.0719	0.6405	0.4750	0.5288

Table 245: Detailed results for ExtraTree

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1727	0.0571	0.1727	0.0847	0.4391
abalone19_10%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_10%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_10%	0.9304	0.0545	0.8935	0.9005	0.2413
adult_10%	0.8548	0.1452	0.8548	0.5543	0.5835
AID_1431_10%	0.9007	0.0939	0.9225	-0.0627	0.2932
AID_1878_10%	0.6989	0.2770	0.7233	-0.0320	0.7557
AID_602330_10%	0.8751	0.1066	0.8582	-0.0088	0.1163
AID1608Morered_10%	0.8738	0.1262	0.8738	-0.0669	0.6884
AID1608red_10%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_10%	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red_10%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_10%	0.9988	0.0012	0.9988	-0.0003	0.4066
AID456red_10%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_10%	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed_10%	0.8931	0.0371	0.9575	-0.0772	0.0000
AID687AID721red_10%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_10%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_10%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_10%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_10%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_10%	0.9638	0.0181	0.9638	0.9303	0.0712
anuran-genus_10%	0.9416	0.0146	0.9416	0.9019	0.0670
anuran-species_10%	0.9653	0.0069	0.9653	0.9513	0.0347
aps-failure_10%	0.9829	0.0171	0.9829	0.0956	0.0592
auction_10%	0.9657	0.0343	0.9657	0.8257	0.1098
avila_10%	0.5688	0.0719	0.5688	0.3314	0.2111
bank_10%	0.9114	0.0886	0.9114	0.4966	0.5714
banknote_10%	1.0000	0.0000	1.0000	1.0000	0.0000
barleyblumeria_10%	0.7281	0.2719	0.7281	0.2967	0.4407
basehock_10%	0.8191	0.1809	0.8191	0.6388	0.4155
biodeg_10%	0.6190	0.3810	0.6190	0.0000	0.4912
car_10%	0.9368	0.0316	0.9368	0.8689	0.2406
cardiotocography_10%	0.8216	0.0357	0.8216	0.7833	0.1574
cardiotocography-nsp_10%	0.9343	0.0438	0.9343	0.8028	0.1649
cargo2k_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_10%	0.4879	0.4785	0.4438	-0.0672	0.6128
census10%_10%	0.9499	0.0501	0.9499	0.3301	0.3395
cjs_10%	0.9929	0.0024	0.9929	0.9913	0.0124
clave_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_10%	0.5646	0.2902	0.5646	0.3080	0.6808
cnae-9_10%	0.6111	0.0864	0.6111	0.5643	0.1502
codon_usage_10%	0.5401	0.1151	0.5153	0.4397	0.2979
coil20_10%	0.9097	0.0090	0.9097	0.9049	0.0368
connect-4_10%	0.9825	0.0116	0.9825	0.3714	0.0349
cottonmeloidogyne_10%	0.5288	0.4712	0.5288	0.0492	0.5871
coupon_10%	0.7208	0.2792	0.7208	0.4165	0.7827
covtypeCD_10%	0.9761	0.0239	0.9761	0.8930	0.1514
covtypeT_10%	0.9688	0.0312	0.9688	0.7163	0.2525
crowdsourced_10%	0.8903	0.0366	0.8903	0.7605	0.2009
default_10%	0.8270	0.1730	0.8270	0.4015	0.6426
deposit_10%	0.8996	0.1004	0.8996	0.4083	0.5866
diabetic10%_10%	0.5393	0.3071	0.5393	0.0000	0.3426
dropout_10%	0.7404	0.1731	0.7404	0.5569	0.4306

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.4043	0.1702	0.4043	0.0175	0.3470
drug-02_10%	0.5160	0.1383	0.5160	0.0513	0.4514
drug-03_10%	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04_10%	0.5319	0.1337	0.5319	0.0382	0.3923
drug-05_10%	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06_10%	0.4096	0.1687	0.4096	0.2355	0.4115
drug-07_10%	0.4309	0.1626	0.4309	0.0051	0.2912
drug-08_10%	0.5638	0.1246	0.5638	0.0676	0.3476
drug-09_10%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_10%	0.5479	0.1292	0.5479	0.0161	0.2710
drug-11_10%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_10%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_10%	0.6277	0.1064	0.6277	0.2538	0.3207
drug-14_10%	0.5798	0.1201	0.5798	0.0960	0.3999
drug-15_10%	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16_10%	0.6064	0.1125	0.6064	0.3607	0.3988
drug-17_10%	0.3989	0.1717	0.3989	0.1471	0.4162
drug-18_10%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_10%	0.7713	0.0654	0.7713	0.0000	0.1604
drybean_10%	0.9199	0.0229	0.9199	0.9031	0.1305
eeg_10%	0.1468	0.1066	0.1468	0.0052	0.3696
eeg-eye_10%	0.6429	0.3571	0.6429	0.2238	0.5779
euthyroid_10%	0.9715	0.0285	0.9715	0.8266	0.2470
fbis-wc_10%	0.2073	0.0933	0.2073	0.0000	0.3511
fonts10%_10%	0.3931	0.0563	0.3516	0.2860	0.2720
gas_10%	0.9037	0.0321	0.9037	0.8835	0.1250
gender_10%	0.5895	0.2737	0.5895	0.0053	0.3706
gene_10%	0.9369	0.0421	0.9369	0.8988	0.1812
german_10%	0.7300	0.2700	0.7300	0.3216	0.7041
gina_10%	0.8012	0.1988	0.8012	0.5997	0.5544
hapt_10%	0.5453	0.0758	0.5453	0.4561	0.1347
hiv1-proteasa_10%	0.8718	0.1282	0.8718	0.4463	0.5664
hiva_10%	0.9574	0.0426	0.9574	-0.0120	0.5357
htru2_10%	0.9788	0.0212	0.9788	0.8643	0.1995
hypothyroid_10%	0.9841	0.0080	0.9841	0.8982	0.0293
hypothyroidT_10%	1.0000	0.0000	1.0000	1.0000	0.0000
isolet_10%	0.5623	0.0337	0.5623	0.5447	0.1836
jm1_10%	0.8099	0.1901	0.8099	0.0573	0.4606
jvowels_10%	0.9378	0.0138	0.9378	0.9294	0.0858
kc1_10%	0.8483	0.1517	0.8483	0.1834	0.6003
krkopt_10%	0.6724	0.0364	0.6724	0.6312	0.3169
krvskp_10%	0.9467	0.0533	0.9467	0.8922	0.2682
la1s-wc_10%	0.3125	0.2750	0.3125	0.0000	0.3675
la2s-wc_10%	0.3149	0.2740	0.3149	0.0000	0.3621
letter_10%	0.5985	0.0309	0.5985	0.5831	0.2159
madelon_10%	0.4885	0.5115	0.4885	-0.0231	0.6521
magic04_10%	0.8285	0.1715	0.8285	0.5943	0.5512
maternal_10%	0.7723	0.1518	0.7723	0.6509	0.4275
messidor_10%	0.6000	0.4000	0.6000	0.2388	0.8102
mfeat-fac_10%	0.9250	0.0150	0.9250	0.9163	0.0876
mfeat-fou_10%	0.7350	0.0530	0.7350	0.7062	0.1413
mfeat-kar_10%	0.8450	0.0310	0.8450	0.8278	0.1636
mfeat-mor_10%	0.7150	0.0570	0.7150	0.6825	0.2233
mfeat-pix_10%	0.9500	0.0100	0.9500	0.9442	0.0609
mfeat-zer_10%	0.6000	0.0800	0.6000	0.5550	0.2325
mice-prot_10%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_10%	0.3531	0.0231	0.3531	0.3414	0.2401
mushroom_10%	0.9889	0.0111	0.9889	0.9424	0.2202

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.8712	0.1288	0.8712	0.2527	0.2704
MUT_ci300400a_10%	0.5942	0.5109	0.5409	0.0332	0.5414
MUT_ci300400a.cdk.ECFP2_10%	0.5251	0.4394	0.5725	-0.0526	0.6226
myocardial_10%	0.8765	0.0309	0.8765	0.3720	0.2227
naticusdroid_10%	0.9454	0.0546	0.9454	0.8909	0.2694
newspop_10%	0.5795	0.4205	0.5795	0.1151	0.7535
NHANES_age_prediction_10%	0.9023	0.0944	0.9997	0.9372	0.0000
nomao_10%	0.9364	0.0636	0.9364	0.8433	0.3493
nursery_10%	0.9892	0.0043	0.9892	0.9799	0.0140
obs_10%	0.9815	0.0093	0.9815	0.9724	0.0319
occupancy_10%	0.9912	0.0088	0.9912	0.9755	0.1012
Occupancy_Estimation_10%	1.0000	0.0000	0.9030	0.9297	0.0731
oh0-wc_10%	0.2000	0.1600	0.2000	0.0000	0.3757
oh10-wc_10%	0.2000	0.1600	0.2000	0.0492	0.4380
optdigits_10%	0.9466	0.0107	0.9466	0.9407	0.0728
optdigitsZ_10%	0.9947	0.0053	0.9947	0.9662	0.0246
ozone1hr_10%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_10%	0.9289	0.0711	0.9289	0.0932	0.1761
P-Glycoprotein_b_Inhibitor_10%	0.8074	0.2389	0.7978	0.6049	0.6872
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.8353	0.2000	0.8522	0.6867	0.5171
p53-mutants10%_10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_10%	0.9634	0.0146	0.9634	0.7600	0.1092
parkinson_10%	0.9833	0.0167	0.9833	0.9657	0.1129
pc1_10%	0.9189	0.0811	0.9189	-0.0163	0.5300
pcmac_10%	0.5825	0.4175	0.5825	0.0081	0.6329
pendigits_10%	0.9800	0.0040	0.9800	0.9777	0.0293
phishing_10%	0.9061	0.0939	0.9061	0.8012	0.4156
phoneme_10%	0.8870	0.1130	0.8870	0.7168	0.5080
phy_10%	0.6860	0.3140	0.6860	0.3717	0.8360
polish-1st_10%	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd_10%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_10%	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th_10%	0.9439	0.0561	0.9439	-0.0058	0.3707
polish-5th_10%	0.9323	0.0677	0.9323	0.0445	0.1696
polya_10%	0.6422	0.3578	0.6422	0.0017	0.5039
popularity_10%	0.6305	0.2463	0.6305	-0.0014	0.3023
postures_10%	0.6830	0.1268	0.6830	0.6035	0.2945
re0-wc_10%	0.4067	0.0913	0.4067	0.0000	0.2775
re1-wc_10%	0.2303	0.0616	0.2303	0.0000	0.3286
rejafada_10%	0.9698	0.0302	0.9698	0.2433	0.0927
relathe_10%	0.9789	0.0211	0.9789	0.9575	0.1395
rocket_10%	0.6357	0.3643	0.6357	0.2343	0.9011
satimage_10%	0.8491	0.0503	0.8491	0.8113	0.1800
satimageF_10%	0.9907	0.0093	0.9907	0.9513	0.1170
satimageT_10%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_10%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_10%	0.5523	0.3622	0.5443	0.2799	0.5927
segment_10%	0.9481	0.0148	0.9481	0.9392	0.0670
segmentO_10%	1.0000	0.0000	1.0000	1.0000	0.0000
seismic_10%	0.9264	0.0736	0.9264	-0.0141	0.5085
semeion_10%	0.9748	0.0252	0.9748	0.8610	0.3001
sens-1-gram_10%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_10%	0.8632	0.1368	0.8632	0.0179	0.4988
sens-3-gram_10%	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram_10%	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless_10%	0.9632	0.0067	0.9632	0.9595	0.0478
shoppers_10%	0.8978	0.1022	0.8978	0.5771	0.5654
shuttle_10%	0.9981	0.0005	0.9981	0.9946	0.0029

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9655	0.0345	0.9655	0.6329	0.1049
solar-flare_10%	0.7266	0.0911	0.7266	0.6483	0.1944
spambase_10%	0.8696	0.1304	0.8696	0.7125	0.3843
splice-EL_10%	0.9558	0.0442	0.9558	0.8858	0.3029
splice-IE_10%	0.9464	0.0536	0.9464	0.8549	0.3500
sport-articles_10%	0.8100	0.1900	0.8100	0.6035	0.6508
steel_industry_10%	0.8743	0.1103	0.8609	0.7851	0.3032
steel-b_10%	0.8154	0.1846	0.8154	0.2921	0.6520
steel-d_10%	0.9744	0.0256	0.9744	0.2794	0.0817
steel-k_10%	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o_10%	0.7077	0.2923	0.7077	0.2076	0.5248
steel-p_10%	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s_10%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_10%	0.9641	0.0359	0.9641	0.7910	0.3671
swarm_aligned_10%	0.9978	0.0662	0.8913	0.9312	0.0312
swarm_flocking_10%	0.9610	0.0190	1.0000	0.9619	0.0109
swarm_grouped_10%	0.9280	0.0536	0.9224	0.9228	0.0986
texture_10%	0.9491	0.0093	0.9491	0.9439	0.0576
theorem_10%	0.9984	0.0016	0.9984	0.9966	0.0133
tis_10%	0.7517	0.2483	0.7517	-0.0015	0.4242
titanic_10%	0.8091	0.1909	0.8091	0.5247	0.6309
tuandromd_10%	0.9709	0.0291	0.9709	0.9084	0.2179
wap-wc_10%	0.2179	0.0782	0.2179	0.0000	0.3441
waveform_10%	0.7940	0.1373	0.7940	0.6913	0.3810
web-phishing_10%	0.8741	0.0840	0.8741	0.7747	0.3685
weight-lift_10%	0.3633	0.2547	0.3633	0.1204	0.3575
wifi-loc_10%	0.9850	0.0075	0.9850	0.9800	0.0343
wilt_10%	0.9586	0.0414	0.9586	0.2754	0.1184
winequality-red_10%	0.6226	0.1258	0.6226	0.3691	0.3069
winequality-white_10%	0.5153	0.1385	0.5153	0.1565	0.3290
yeast_10%	0.5203	0.0959	0.5203	0.3849	0.3453
yeastEXC_10%	0.9662	0.0338	0.9662	-0.0109	0.5494
yeastME1_10%	1.0000	0.0000	1.0000	1.0000	0.0000
yeastME2_10%	0.9595	0.0405	0.9595	0.2410	0.1164
zip_10%	0.6168	0.0766	0.6168	0.4471	0.5614

Table 246: Detailed results for HistGradientBoostingTrees

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1607	0.0579	0.1607	0.0814	0.5888
abalone19_10%	0.9856	0.0144	0.9856	-0.0072	0.5293
accelerometer_10%	0.9831	0.0169	0.9831	0.1529	0.2131
ads_10%	0.9207	0.0841	0.9126	0.8404	0.1673
adult_10%	0.8681	0.1319	0.8681	0.6095	0.5678
AID_1431_10%	0.9155	0.1526	0.8460	-0.0009	0.1951
AID_1878_10%	0.7505	0.2009	0.8222	0.2359	0.7444
AID_602330_10%	0.9154	0.0613	0.9094	-0.0381	0.5161
AID1608Morered_10%	0.8641	0.1359	0.8641	0.0526	0.6574
AID1608red_10%	0.8738	0.1262	0.8738	-0.0669	0.6366
AID362red_10%	0.9603	0.0397	0.9603	0.0878	0.4628
AID373AID439red_10%	0.8876	0.0449	0.9532	-0.0848	0.1327
AID373red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_10%	0.9960	0.0040	0.9960	-0.0015	0.5141
AID604_10%	0.9676	0.0284	1.0000	0.8660	0.0968
AID604AID644_AllRed_10%	0.8925	0.0227	0.8871	-0.0202	0.3830
AID687AID721red_10%	0.9702	0.0994	0.9985	-0.0715	0.2074
AID687red_10%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_10%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_10%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_10%	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-family_10%	0.9875	0.0063	0.9875	0.9761	0.0368
anuran-genus_10%	0.9736	0.0066	0.9736	0.9564	0.0949
anuran-species_10%	0.9833	0.0033	0.9833	0.9768	0.0241
aps-failure_10%	0.9977	0.0628	0.9712	0.6965	0.3766
auction_10%	0.9804	0.0196	0.9804	0.9118	0.2228
avila_10%	0.9914	0.0014	0.9914	0.9888	0.0279
bank_10%	0.9150	0.0850	0.9150	0.5413	0.5710
banknote_10%	0.9708	0.0292	0.9708	0.9411	0.1781
barleyblumeria_10%	0.8779	0.1221	0.8779	0.7261	0.4737
basehock_10%	0.9548	0.0452	0.9548	0.9095	0.2428
biodeg_10%	0.8190	0.1810	0.8190	0.6107	0.6368
car_10%	0.9195	0.0402	0.9195	0.8382	0.3462
cardiotocography_10%	0.8451	0.0310	0.8451	0.8146	0.2022
cardiotocography-nsp_10%	0.9155	0.0563	0.9155	0.7640	0.3376
cargo2k_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_10%	0.7743	0.2831	0.7764	0.4579	0.7624
census10%_10%	0.9529	0.0471	0.9529	0.4387	0.4170
cjs_10%	0.9714	0.0095	0.9714	0.9652	0.0602
clave_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_10%	0.5510	0.2993	0.5510	0.3000	0.7109
cnae-9_10%	0.8241	0.0391	0.8241	0.8005	0.1870
codon_usage_10%	0.8945	0.0826	0.7874	0.8117	0.2963
coil20_10%	0.9653	0.0035	0.9653	0.9634	0.0248
connect-4_10%	0.9147	0.1037	0.9449	0.7614	0.2146
cottonmeloidogyne_10%	0.7644	0.2356	0.7644	0.5290	0.7251
coupon_10%	0.7405	0.2595	0.7405	0.4634	0.7638
covtypeCD_10%	0.9831	0.0169	0.9831	0.9277	0.1787
covtypeT_10%	0.9795	0.0205	0.9795	0.8320	0.2528
crowdsourced_10%	0.9521	0.0160	0.9521	0.9008	0.1352
default_10%	0.8230	0.1770	0.8230	0.4046	0.6725
deposit_10%	0.9060	0.0940	0.9060	0.4827	0.5837
diabetic10%_10%	0.5609	0.2927	0.5609	0.1652	0.6429
dropout_10%	0.7404	0.1731	0.7404	0.5683	0.5173

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.2926	0.2021	0.2926	-0.0347	0.6598
drug-02_10%	0.4894	0.1459	0.4894	0.1627	0.6944
drug-03_10%	0.6223	0.1079	0.6223	0.0432	0.5238
drug-04_10%	0.4681	0.1520	0.4681	0.1028	0.7374
drug-05_10%	0.7128	0.0821	0.7128	0.0122	0.3468
drug-06_10%	0.3191	0.1945	0.3191	0.1635	0.7301
drug-07_10%	0.4202	0.1657	0.4202	0.0656	0.4732
drug-08_10%	0.5053	0.1413	0.5053	0.1455	0.6605
drug-09_10%	0.8617	0.0395	0.8617	0.1061	0.3890
drug-10_10%	0.5106	0.1398	0.5106	0.1350	0.6876
drug-11_10%	0.8245	0.0502	0.8245	0.0202	0.5938
drug-12_10%	0.7394	0.0745	0.7394	0.0362	0.7143
drug-13_10%	0.5798	0.1201	0.5798	0.2570	0.5564
drug-14_10%	0.5904	0.1170	0.5904	0.2960	0.6320
drug-15_10%	0.7340	0.0760	0.7340	0.1016	0.5968
drug-16_10%	0.5319	0.1337	0.5319	0.2577	0.5972
drug-17_10%	0.3032	0.1991	0.3032	0.0897	0.8308
drug-18_10%	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19_10%	0.6968	0.0866	0.6968	0.0693	0.6371
drybean_10%	0.9258	0.0212	0.9258	0.9103	0.1253
eeg_10%	0.5403	0.0575	0.5403	0.4897	0.5540
eeg-eye_10%	0.8705	0.1295	0.8705	0.7364	0.5037
euthyroid_10%	0.9525	0.0475	0.9525	0.7428	0.4644
fbis-wc_10%	0.1992	0.0942	0.1992	-0.0065	0.3992
fonts10%_10%	0.3720	0.0122	0.3179	0.2988	1.0000
gas_10%	0.9885	0.0038	0.9885	0.9860	0.0280
gender_10%	0.5558	0.2961	0.5558	0.0855	0.6957
gene_10%	0.9054	0.0631	0.9054	0.8474	0.2618
german_10%	0.7000	0.3000	0.7000	0.2840	0.8249
gina_10%	0.9366	0.0634	0.9366	0.8732	0.3155
hapt_10%	0.9661	0.0056	0.9661	0.9599	0.0331
hiv1-proteasa_10%	0.8803	0.1197	0.8803	0.5460	0.6034
hiva_10%	0.9456	0.0544	0.9456	0.1788	0.6199
htru2_10%	0.9799	0.0201	0.9799	0.8744	0.2232
hypothyroid_10%	0.9788	0.0106	0.9788	0.8785	0.2215
hypothyroidT_10%	0.9841	0.0159	0.9841	0.8879	0.2549
isolet_10%	0.9281	0.0055	0.9281	0.9252	0.0627
jm1_10%	0.8182	0.1818	0.8182	0.2438	0.6710
jvowels_10%	0.9598	0.0089	0.9598	0.9545	0.0715
kc1_10%	0.8626	0.1374	0.8626	0.4449	0.6691
krkopt_10%	0.7597	0.0267	0.7597	0.7301	0.2836
krvskp_10%	0.9498	0.0502	0.9498	0.8990	0.2678
la1s-wc_10%	0.3156	0.2737	0.3156	0.0122	0.4716
la2s-wc_10%	0.3084	0.2766	0.3084	-0.0039	0.4629
letter_10%	0.9290	0.0055	0.9290	0.9261	0.0828
madelon_10%	0.7077	0.2923	0.7077	0.4154	0.8110
magic04_10%	0.8743	0.1257	0.8743	0.7167	0.5037
maternal_10%	0.8416	0.1056	0.8416	0.7589	0.3557
messidor_10%	0.7043	0.2957	0.7043	0.3843	0.8071
mfeat-fac_10%	0.9500	0.0100	0.9500	0.9441	0.0672
mfeat-fou_10%	0.8350	0.0330	0.8350	0.8156	0.1371
mfeat-kar_10%	0.9350	0.0130	0.9350	0.9276	0.0833
mfeat-mor_10%	0.6450	0.0710	0.6450	0.6052	0.3133
mfeat-pix_10%	0.9500	0.0100	0.9500	0.9442	0.0587
mfeat-zer_10%	0.8150	0.0370	0.8150	0.7940	0.1278
mice-prot_10%	0.9815	0.0046	0.9815	0.9788	0.0241
mobile_10%	0.8776	0.0044	0.8776	0.8754	0.0560
mushroom_10%	0.9926	0.0074	0.9926	0.9610	0.1689

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.9485	0.0515	0.9485	0.7857	0.3076
MUT_ci300400a_10%	0.8271	0.1546	0.7979	0.6672	0.6445
MUT_ci300400a.cdk_ECFP2_10%	0.7819	0.2175	0.7023	0.6104	0.6983
myocardial_10%	0.8765	0.0309	0.8765	0.3868	0.1771
naticusdroid_10%	0.9635	0.0365	0.9635	0.9270	0.2098
newspop_10%	0.6799	0.3201	0.6799	0.3534	0.8448
NHANES_age_prediction_10%	0.9953	0.0145	0.8983	0.9022	0.0030
nomao_10%	0.9588	0.0412	0.9588	0.8986	0.2561
nursery_10%	0.9915	0.0034	0.9915	0.9843	0.0115
obs_10%	0.9907	0.0046	0.9907	0.9863	0.0279
occupancy_10%	0.9912	0.0088	0.9912	0.9756	0.1032
Occupancy_Estimation_10%	0.9683	0.0939	0.9374	0.9436	0.0120
oh0-wc_10%	0.1700	0.1660	0.1700	-0.0085	0.5096
oh10-wc_10%	0.2000	0.1600	0.2000	0.0520	0.4926
optdigits_10%	0.9626	0.0075	0.9626	0.9585	0.0533
optdigitsZ_10%	0.9911	0.0089	0.9911	0.9456	0.1683
ozone1hr_10%	0.9684	0.0316	0.9684	0.1943	0.0960
ozone8hr_10%	0.9328	0.0672	0.9328	0.2410	0.3595
P-Glycoprotein_b_Inhibitor_10%	0.8392	0.2364	0.8189	0.5573	0.6677
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.8387	0.1668	0.8513	0.6472	0.6264
p53-mutants10%_10%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_10%	0.9708	0.0117	0.9708	0.8424	0.4195
parkinson_10%	0.9667	0.0333	0.9667	0.9314	0.2027
pc1_10%	0.8919	0.1081	0.8919	0.2753	0.6610
pcmac_10%	0.5155	0.4845	0.5155	-0.0139	0.9936
pendigits_10%	0.9818	0.0036	0.9818	0.9798	0.0335
phishing_10%	0.9265	0.0735	0.9265	0.8453	0.3560
phoneme_10%	0.8907	0.1093	0.8907	0.7315	0.5056
phy_10%	0.7157	0.2641	0.6929	0.4110	0.7572
polish-1st_10%	0.9772	0.0228	0.9772	0.5898	0.2045
polish-2nd_10%	0.9617	0.0383	0.9617	0.2754	0.4747
polish-3rd_10%	0.9619	0.0381	0.9619	0.4126	0.3730
polish-4th_10%	0.9612	0.0388	0.9612	0.5839	0.4967
polish-5th_10%	0.9577	0.0423	0.9577	0.6528	0.4667
polya_10%	0.7827	0.2173	0.7827	0.5098	0.7060
popularity_10%	0.6049	0.3124	0.6243	0.2045	0.4897
postures_10%	0.8960	0.0205	0.9523	0.8969	0.0369
re0-wc_10%	0.4133	0.0903	0.4133	0.0155	0.2770
re1-wc_10%	0.2424	0.0606	0.2424	0.0431	0.3713
rejafada_10%	0.9849	0.0151	0.9849	0.8159	0.4416
relathe_10%	0.9789	0.0211	0.9789	0.9574	0.1353
rocket_10%	0.6938	0.3062	0.6938	0.3740	0.8291
satimage_10%	0.9145	0.0285	0.9145	0.8944	0.1475
satimageF_10%	0.9829	0.0171	0.9829	0.9124	0.2280
satimageT_10%	0.9362	0.0638	0.9362	0.5904	0.4544
secom_10%	0.9295	0.0705	0.9295	-0.0118	0.4777
secondary_mushroom_10%	0.9861	0.0487	1.0000	0.9482	0.0802
segment_10%	0.9437	0.0161	0.9437	0.9342	0.0747
segmentO_10%	0.9784	0.0216	0.9784	0.9187	0.2649
seismic_10%	0.9109	0.0891	0.9109	0.1612	0.6711
semeion_10%	0.9811	0.0189	0.9811	0.9038	0.3038
sens-1-gram_10%	0.8395	0.1605	0.8395	-0.0239	0.7250
sens-2-gram_10%	0.8526	0.1474	0.8526	0.0937	0.6868
sens-3-gram_10%	0.8632	0.1368	0.8632	0.1967	0.6616
sens-4-gram_10%	0.8500	0.1500	0.8500	0.0884	0.7005
sensorless_10%	0.9932	0.0012	0.9932	0.9925	0.0143
shoppers_10%	0.8954	0.1046	0.8954	0.5557	0.5640
shuttle_10%	0.9997	0.0001	0.9997	0.9990	0.0006

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9735	0.0265	0.9735	0.7686	0.3227
solar-flare_10%	0.7050	0.0983	0.7050	0.6240	0.2736
spambase_10%	0.9152	0.0848	0.9152	0.8219	0.3916
splice-EL_10%	0.9432	0.0568	0.9432	0.8566	0.3541
splice-IE_10%	0.9274	0.0726	0.9274	0.8019	0.4184
sport-articles_10%	0.8000	0.2000	0.8000	0.5710	0.6803
steel_industry_10%	0.8603	0.0540	0.8067	0.8377	0.3039
steel-b_10%	0.8051	0.1949	0.8051	0.4335	0.7293
steel-d_10%	0.9692	0.0308	0.9692	0.3849	0.5335
steel-k_10%	0.9538	0.0462	0.9538	0.8623	0.3392
steel-o_10%	0.8154	0.1846	0.8154	0.5701	0.6239
steel-p_10%	0.9077	0.0923	0.9077	0.3502	0.6521
steel-s_10%	0.9590	0.0410	0.9590	0.5793	0.5618
steel-z_10%	0.9487	0.0513	0.9487	0.7215	0.4843
swarm_aligned_10%	0.9101	0.0451	0.9044	0.9483	0.0000
swarm_flocking_10%	0.9466	0.0063	0.9211	0.9342	0.0328
swarm_grouped_10%	0.9160	0.0000	0.9814	0.9675	0.0674
texture_10%	0.9782	0.0040	0.9782	0.9759	0.0331
theorem_10%	0.9853	0.0147	0.9853	0.9698	0.1082
tis_10%	0.9162	0.0838	0.9162	0.7647	0.4093
titanic_10%	0.8091	0.1909	0.8091	0.5247	0.6309
tuandromd_10%	0.9753	0.0247	0.9753	0.9225	0.1889
wap-wc_10%	0.2115	0.0788	0.2115	-0.0041	0.3858
waveform_10%	0.8340	0.1107	0.8340	0.7509	0.3795
web-phishing_10%	0.8148	0.1235	0.8148	0.6739	0.4682
weight-lift_10%	0.9849	0.0735	0.9617	0.9763	0.0315
wifi-loc_10%	0.9400	0.0300	0.9400	0.9200	0.1328
wilt_10%	0.9648	0.0352	0.9648	0.6835	0.5208
winequality-red_10%	0.6289	0.1237	0.6289	0.4248	0.5448
winequality-white_10%	0.6278	0.1063	0.6278	0.4412	0.7443
yeast_10%	0.5270	0.0946	0.5270	0.3829	0.3987
yeastEXC_10%	0.9459	0.0541	0.9459	0.1732	0.5690
yeastME1_10%	0.9730	0.0270	0.9730	0.5866	0.5496
yeastME2_10%	0.8851	0.1149	0.8851	0.0484	0.5763
zip_10%	0.6329	0.0734	0.6329	0.4635	0.5772

Table 247: Detailed results for HybridGB

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1918	0.0557	0.1918	0.1176	0.5697
abalone19_10%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_10%	0.9837	0.0163	0.9837	0.1843	0.1498
ads_10%	0.9037	0.0237	0.8762	0.7845	0.1676
adult_10%	0.8667	0.1333	0.8667	0.5995	0.5623
AID_1431_10%	0.8822	0.1927	0.8624	-0.0708	0.2724
AID_1878_10%	0.7322	0.2205	0.7548	0.1023	0.6040
AID_602330_10%	0.9390	0.0489	0.8465	-0.0367	0.5053
AID1608Moredred_10%	0.8932	0.1068	0.8932	0.0972	0.6859
AID1608red_10%	0.9320	0.0680	0.9320	0.1908	0.6167
AID362red_10%	0.9836	0.0164	0.9836	-0.0040	0.4515
AID373AID439red_10%	1.0000	0.0571	0.9555	-0.0700	0.2316
AID373red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_10%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_10%	0.9219	0.0064	0.8917	0.1407	0.1227
AID604AID644_AllRed_10%	0.9298	0.0960	0.9141	0.0864	0.4949
AID687AID721red_10%	0.9023	0.0610	0.9225	-0.0965	0.3268
AID687red_10%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_10%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_10%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_10%	0.9986	0.0014	0.9986	0.9084	0.0073
anuran-family_10%	0.9791	0.0104	0.9791	0.9600	0.0469
anuran-genus_10%	0.9764	0.0059	0.9764	0.9609	0.0738
anuran-species_10%	0.9792	0.0042	0.9792	0.9710	0.0495
aps-failure_10%	0.9116	0.1038	0.9996	0.7411	0.2835
auction_10%	0.9804	0.0196	0.9804	0.9088	0.1707
avila_10%	0.9736	0.0044	0.9736	0.9656	0.0724
bank_10%	0.9158	0.0842	0.9158	0.5530	0.5721
banknote_10%	0.9927	0.0073	0.9927	0.9852	0.0564
barleyblumeria_10%	0.8825	0.1175	0.8825	0.7342	0.4392
basehock_10%	0.9497	0.0503	0.9497	0.8995	0.2604
biodeg_10%	0.9143	0.0857	0.9143	0.8156	0.3841
car_10%	0.9540	0.0230	0.9540	0.9010	0.1134
cardiotocography_10%	0.8639	0.0272	0.8639	0.8370	0.1744
cardiotocography-nsp_10%	0.9437	0.0376	0.9437	0.8386	0.1900
cargo2k_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_10%	0.6697	0.3069	0.7347	0.4359	0.7837
census10%_10%	0.9549	0.0451	0.9549	0.4588	0.3821
cjs_10%	0.9929	0.0024	0.9929	0.9913	0.0100
clave_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_10%	0.5374	0.3084	0.5374	0.2775	0.7023
cnae-9_10%	0.8981	0.0226	0.8981	0.8845	0.1038
codon_usage_10%	0.8839	0.0539	0.8322	0.8168	0.1585
coil20_10%	0.9792	0.0021	0.9792	0.9781	0.0145
connect-4_10%	0.9930	0.0887	0.9714	0.9064	0.0819
cottonmeloidogyne_10%	0.7788	0.2212	0.7788	0.5578	0.7013
coupon_10%	0.7484	0.2516	0.7484	0.4790	0.7500
covtypeCD_10%	0.9801	0.0199	0.9801	0.9142	0.1897
covtypeT_10%	0.9748	0.0252	0.9748	0.7915	0.2980
crowdsourced_10%	0.9401	0.0200	0.9401	0.8741	0.1377
default_10%	0.8233	0.1767	0.8233	0.3985	0.6648
deposit_10%	0.9062	0.0938	0.9062	0.4634	0.5684
diabetic10%_10%	0.5737	0.2842	0.5737	0.1592	0.5863
dropout_10%	0.7698	0.1535	0.7698	0.6128	0.4527

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.3404	0.1885	0.3404	-0.0046	0.5943
drug-02_10%	0.4894	0.1459	0.4894	0.1142	0.6323
drug-03_10%	0.6596	0.0973	0.6596	0.0485	0.4058
drug-04_10%	0.5106	0.1398	0.5106	0.1178	0.5909
drug-05_10%	0.7287	0.0775	0.7287	-0.0064	0.2524
drug-06_10%	0.3936	0.1733	0.3936	0.2394	0.6484
drug-07_10%	0.4255	0.1641	0.4255	0.0677	0.5392
drug-08_10%	0.5106	0.1398	0.5106	0.1059	0.7311
drug-09_10%	0.8723	0.0365	0.8723	0.1244	0.1719
drug-10_10%	0.5585	0.1261	0.5585	0.1850	0.4777
drug-11_10%	0.8457	0.0441	0.8457	0.0470	0.3241
drug-12_10%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_10%	0.6064	0.1125	0.6064	0.2577	0.4196
drug-14_10%	0.6277	0.1064	0.6277	0.3436	0.5868
drug-15_10%	0.7606	0.0684	0.7606	0.1092	0.3267
drug-16_10%	0.5213	0.1368	0.5213	0.2253	0.6086
drug-17_10%	0.3457	0.1869	0.3457	0.1242	0.7436
drug-18_10%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_10%	0.7553	0.0699	0.7553	0.0422	0.3476
drybean_10%	0.9295	0.0202	0.9295	0.9147	0.1184
eeg_10%	0.5291	0.0589	0.5291	0.4767	0.5432
eeg-eye_10%	0.8425	0.1575	0.8425	0.6784	0.5655
euthyroid_10%	0.9684	0.0316	0.9684	0.8103	0.2985
fbis-wc_10%	0.1992	0.0942	0.1992	-0.0065	0.3992
fonts10%_10%	0.0368	0.0838	0.0619	-0.0355	0.6590
gas_10%	0.9907	0.0031	0.9907	0.9887	0.0232
gender_10%	0.6147	0.2568	0.6147	0.1656	0.5652
gene_10%	0.9338	0.0442	0.9338	0.8947	0.2057
german_10%	0.6900	0.3100	0.6900	0.2439	0.8259
gina_10%	0.9308	0.0692	0.9308	0.8616	0.3356
hapt_10%	0.9552	0.0075	0.9552	0.9470	0.0557
hiv1-proteasa_10%	0.8702	0.1298	0.8702	0.4573	0.5962
hiva_10%	0.9598	0.0402	0.9598	0.0917	0.5201
htru2_10%	0.9793	0.0207	0.9793	0.8705	0.2253
hypothyroid_10%	0.9867	0.0066	0.9867	0.9241	0.1710
hypothyroidT_10%	0.9973	0.0027	0.9973	0.9816	0.0997
isolet_10%	0.9140	0.0066	0.9140	0.9106	0.0785
jm1_10%	0.8182	0.1818	0.8182	0.2144	0.6394
jvowels_10%	0.9578	0.0094	0.9578	0.9522	0.0707
kc1_10%	0.8626	0.1374	0.8626	0.3796	0.6471
krkopt_10%	0.6955	0.0338	0.6955	0.6573	0.2920
krvskp_10%	0.9561	0.0439	0.9561	0.9115	0.2409
la1s-wc_10%	0.3156	0.2737	0.3156	0.0122	0.4716
la2s-wc_10%	0.3052	0.2779	0.3052	-0.0082	0.4834
letter_10%	0.9170	0.0064	0.9170	0.9136	0.0950
madelon_10%	0.7423	0.2577	0.7423	0.4846	0.7618
magic04_10%	0.8632	0.1368	0.8632	0.6880	0.5184
maternal_10%	0.8119	0.1254	0.8119	0.7126	0.3903
messidor_10%	0.6609	0.3391	0.6609	0.3084	0.8710
mfeat-fac_10%	0.9450	0.0110	0.9450	0.9385	0.0683
mfeat-fou_10%	0.8450	0.0310	0.8450	0.8268	0.1284
mfeat-kar_10%	0.9350	0.0130	0.9350	0.9276	0.0837
mfeat-mor_10%	0.6900	0.0620	0.6900	0.6549	0.2548
mfeat-pix_10%	0.9500	0.0100	0.9500	0.9442	0.0576
mfeat-zer_10%	0.7900	0.0420	0.7900	0.7663	0.1372
mice-prot_10%	0.9907	0.0023	0.9907	0.9894	0.0113
mobile_10%	0.8531	0.0052	0.8531	0.8505	0.0685
mushroom_10%	0.9988	0.0012	0.9988	0.9933	0.0442

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.9500	0.0500	0.9500	0.7855	0.2375
MUT_ci300400a_10%	0.8027	0.2123	0.8047	0.5779	0.6117
MUT_ci300400a.cdk.ECFP2_10%	0.7465	0.2749	0.7301	0.5607	0.6796
myocardial_10%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_10%	0.9618	0.0382	0.9618	0.9236	0.2163
newspop_10%	0.6675	0.3325	0.6675	0.3284	0.8596
NHANES_age_prediction_10%	0.9202	0.0002	0.9193	0.8988	0.0932
nomao_10%	0.9571	0.0429	0.9571	0.8944	0.2649
nursery_10%	0.9491	0.0204	0.9491	0.9018	0.0434
obs_10%	0.9815	0.0093	0.9815	0.9724	0.0319
occupancy_10%	0.9922	0.0078	0.9922	0.9783	0.0956
Occupancy_Estimation_10%	0.9583	0.0460	0.8865	0.9282	0.0031
oh0-wc_10%	0.1700	0.1660	0.1700	-0.0115	0.5026
oh10-wc_10%	0.2000	0.1600	0.2000	0.0521	0.4909
optdigits_10%	0.9555	0.0089	0.9555	0.9505	0.0612
optdigitsZ_10%	0.9947	0.0053	0.9947	0.9674	0.1218
ozone1hr_10%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_10%	0.9368	0.0632	0.9368	0.3118	0.3468
P-Glycoprotein_b_Inhibitor_10%	0.7478	0.2217	0.8066	0.5668	0.6811
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.8230	0.1753	0.8254	0.6927	0.4386
p53-mutants10%_10%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks_10%	0.9762	0.0095	0.9762	0.8673	0.1806
parkinson_10%	0.9917	0.0083	0.9917	0.9828	0.0670
pc1_10%	0.9099	0.0901	0.9099	0.2387	0.6639
pcmac_10%	0.5464	0.4536	0.5464	0.0194	0.9699
pendigits_10%	0.9818	0.0036	0.9818	0.9798	0.0330
phishing_10%	0.9510	0.0490	0.9510	0.8961	0.2464
phoneme_10%	0.8944	0.1056	0.8944	0.7396	0.4937
phy_10%	0.6616	0.2910	0.7094	0.4262	0.7832
polish-1st_10%	0.9744	0.0256	0.9744	0.4902	0.0821
polish-2nd_10%	0.9626	0.0374	0.9626	0.1301	0.2310
polish-3rd_10%	0.9600	0.0400	0.9600	0.3298	0.3163
polish-4th_10%	0.9612	0.0388	0.9612	0.4950	0.3846
polish-5th_10%	0.9594	0.0406	0.9594	0.6265	0.3771
polya_10%	0.7730	0.2270	0.7730	0.4810	0.7157
popularity_10%	0.6720	0.2437	0.5982	0.2464	0.5275
postures_10%	0.9636	0.0892	0.9900	0.8755	0.1382
re0-wc_10%	0.4133	0.0903	0.4133	0.0155	0.2770
re1-wc_10%	0.2424	0.0606	0.2424	0.0431	0.3713
rejafada_10%	0.9950	0.0050	0.9950	0.9307	0.2605
relathe_10%	0.9859	0.0141	0.9859	0.9716	0.1012
rocket_10%	0.7039	0.2961	0.7039	0.3897	0.8205
satimage_10%	0.9005	0.0332	0.9005	0.8770	0.1608
satimageF_10%	0.9860	0.0140	0.9860	0.9274	0.1815
satimageT_10%	0.9269	0.0731	0.9269	0.5150	0.4945
secom_10%	0.9167	0.0833	0.9167	-0.0305	0.6521
secondary_mushroom_10%	0.9656	0.0443	0.8862	0.9920	0.0940
segment_10%	0.9394	0.0173	0.9394	0.9291	0.0787
segmentO_10%	0.9957	0.0043	0.9957	0.9825	0.0218
seismic_10%	0.9186	0.0814	0.9186	0.1230	0.6479
semeion_10%	0.9811	0.0189	0.9811	0.8986	0.2737
sens-1-gram_10%	0.8579	0.1421	0.8579	0.0077	0.5788
sens-2-gram_10%	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram_10%	0.8658	0.1342	0.8658	0.1223	0.5839
sens-4-gram_10%	0.8579	0.1421	0.8579	0.0339	0.6032
sensorless_10%	0.9899	0.0018	0.9899	0.9889	0.0194
shoppers_10%	0.9011	0.0989	0.9011	0.5685	0.5263
shuttle_10%	0.9997	0.0001	0.9997	0.9990	0.0253

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9708	0.0292	0.9708	0.7171	0.2170
solar-flare_10%	0.7842	0.0719	0.7842	0.7234	0.1978
spambase_10%	0.9174	0.0826	0.9174	0.8256	0.3776
splice-EL_10%	0.9621	0.0379	0.9621	0.9021	0.2747
splice-IE_10%	0.9306	0.0694	0.9306	0.8079	0.4005
sport-articles_10%	0.8200	0.1800	0.8200	0.6095	0.6396
steel_industry_10%	0.8033	0.1400	0.7965	0.8216	0.2488
steel-b_10%	0.8410	0.1590	0.8410	0.4989	0.6702
steel-d_10%	0.9897	0.0103	0.9897	0.7950	0.0398
steel-k_10%	0.9846	0.0154	0.9846	0.9515	0.0643
steel-o_10%	0.8051	0.1949	0.8051	0.5494	0.6556
steel-p_10%	0.9282	0.0718	0.9282	0.3829	0.5270
steel-s_10%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_10%	0.9795	0.0205	0.9795	0.8834	0.2660
swarm_aligned_10%	0.9380	0.0230	0.9178	0.8971	0.0445
swarm_flocking_10%	0.9917	0.0581	1.0000	0.9352	0.0836
swarm_grouped_10%	0.9616	0.0803	0.9442	0.9287	0.0930
texture_10%	0.9782	0.0040	0.9782	0.9759	0.0319
theorem_10%	0.9984	0.0016	0.9984	0.9966	0.0176
tis_10%	0.9170	0.0830	0.9170	0.7670	0.4075
titanic_10%	0.8091	0.1909	0.8091	0.5247	0.6309
tuandromd_10%	0.9798	0.0202	0.9798	0.9376	0.1851
wap-wc_10%	0.2115	0.0788	0.2115	-0.0027	0.3837
waveform_10%	0.8460	0.1027	0.8460	0.7690	0.3572
web-phishing_10%	0.8519	0.0988	0.8519	0.7368	0.4053
weight-lift_10%	0.9632	0.0463	0.9260	0.9401	0.0857
wifi-loc_10%	0.9800	0.0100	0.9800	0.9733	0.0420
wilt_10%	0.9814	0.0186	0.9814	0.7811	0.2593
winequality-red_10%	0.6352	0.1216	0.6352	0.4329	0.5297
winequality-white_10%	0.5787	0.1204	0.5787	0.3474	0.5612
yeast_10%	0.5608	0.0878	0.5608	0.4259	0.3713
yeastEXC_10%	0.9662	0.0338	0.9662	0.2688	0.5848
yeastME1_10%	0.9932	0.0068	0.9932	0.8538	0.0283
yeastME2_10%	0.9527	0.0473	0.9527	0.2055	0.4689
zip_10%	0.6534	0.0693	0.6534	0.5064	0.5638

Table 248: Detailed results for DiscreteAdaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1079	0.0615	0.1079	0.0289	0.5028
abalone19_10%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_10%	0.9816	0.0184	0.9816	-0.0012	0.2266
ads_10%	0.9512	0.0488	0.9512	0.7775	0.2984
adult_10%	0.8323	0.1677	0.8323	0.3964	0.4110
AID_1431_10%	0.9119	0.1970	0.8372	0.0430	0.5019
AID_1878_10%	0.7444	0.2630	0.7637	-0.0567	0.7504
AID_602330_10%	0.9292	0.1432	0.8881	-0.0772	0.4729
AID1608Morered_10%	0.8447	0.1553	0.8447	0.0306	0.6297
AID1608red_10%	0.9223	0.0777	0.9223	-0.0300	0.6529
AID362red_10%	0.9766	0.0234	0.9766	-0.0113	0.5794
AID373AID439red_10%	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red_10%	0.9988	0.0012	0.9988	-0.0003	0.4066
AID456red_10%	0.9920	0.0080	0.9920	-0.0038	0.4379
AID604_10%	0.9961	0.0039	0.9961	-0.0006	0.3101
AID604AID644_AllRed_10%	0.9528	0.0571	1.0000	0.1086	0.5825
AID687AID721red_10%	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red_10%	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red_10%	0.9901	0.0099	0.9901	-0.0014	0.3140
AID746AID1284red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_10%	0.9938	0.0062	0.9938	-0.0003	0.1661
anuran-f-b_10%	0.9889	0.0111	0.9889	-0.0042	0.5331
anuran-family_10%	0.9207	0.0396	0.9207	0.8509	0.3630
anuran-genus_10%	0.9082	0.0229	0.9082	0.8480	0.2084
anuran-species_10%	0.9222	0.0156	0.9222	0.8920	0.1904
aps-failure_10%	0.9854	0.0146	0.9854	0.3387	0.1544
auction_10%	0.9265	0.0735	0.9265	0.5965	0.3833
avila_10%	0.7681	0.0387	0.7681	0.6883	0.3048
bank_10%	0.9065	0.0935	0.9065	0.4724	0.5933
banknote_10%	0.8978	0.1022	0.8978	0.7938	0.4409
barleyblumeria_10%	0.8018	0.1982	0.8018	0.5206	0.4976
basehock_10%	0.8794	0.1206	0.8794	0.7586	0.4236
biodeg_10%	0.7143	0.2857	0.7143	0.3077	0.6209
car_10%	0.8851	0.0575	0.8851	0.7753	0.4305
cardiotocography_10%	0.7840	0.0432	0.7840	0.7417	0.2900
cardiotocography-nsp_10%	0.8873	0.0751	0.8873	0.6804	0.4084
cargo2k_10%	0.9721	0.0186	0.9721	0.9581	0.0840
cas_N6512_cdk_ECFP2_10%	0.5300	0.4832	0.4667	0.0427	0.6964
census10%_10%	0.9472	0.0528	0.9472	0.2594	0.3261
cjs_10%	0.9214	0.0262	0.9214	0.9045	0.1470
clave_10%	0.9426	0.0574	0.9426	0.8102	0.4246
cmc_10%	0.5510	0.2993	0.5510	0.2985	0.6964
cnae-9_10%	0.8519	0.0329	0.8519	0.8317	0.1646
codon_usage_10%	0.6403	0.1236	0.6644	0.6351	0.4087
coil20_10%	0.9375	0.0063	0.9375	0.9342	0.0443
connect-4_10%	0.9813	0.0124	0.9813	0.4237	0.3505
cottonmeloidogyne_10%	0.5889	0.4111	0.5889	0.1727	0.7761
coupon_10%	0.7027	0.2973	0.7027	0.3930	0.8212
covtypeCD_10%	0.9453	0.0547	0.9453	0.7466	0.3564
covtypeT_10%	0.9605	0.0395	0.9605	0.6750	0.4395
crowdsourced_10%	0.8673	0.0442	0.8673	0.7079	0.2563
default_10%	0.8250	0.1750	0.8250	0.3803	0.6296
deposit_10%	0.8976	0.1024	0.8976	0.4236	0.6106
diabetic10%_10%	0.5344	0.3104	0.5344	-0.0034	0.4395
dropout_10%	0.7246	0.1836	0.7246	0.5266	0.5099

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.1489	0.2432	0.1489	-0.0153	0.7871
drug-02_10%	0.4574	0.1550	0.4574	0.1755	0.7994
drug-03_10%	0.6011	0.1140	0.6011	0.0448	0.6758
drug-04_10%	0.4149	0.1672	0.4149	0.1232	0.8383
drug-05_10%	0.7128	0.0821	0.7128	0.0319	0.4806
drug-06_10%	0.3830	0.1763	0.3830	0.2410	0.6851
drug-07_10%	0.3245	0.1930	0.3245	0.0178	0.7156
drug-08_10%	0.4521	0.1565	0.4521	0.1226	0.8357
drug-09_10%	0.8298	0.0486	0.8298	-0.0403	0.4959
drug-10_10%	0.5160	0.1383	0.5160	0.1822	0.7302
drug-11_10%	0.8404	0.0456	0.8404	0.1103	0.3691
drug-12_10%	0.7606	0.0684	0.7606	-0.0203	0.3587
drug-13_10%	0.5426	0.1307	0.5426	0.2584	0.7268
drug-14_10%	0.5160	0.1383	0.5160	0.1891	0.7466
drug-15_10%	0.6489	0.1003	0.6489	0.1948	0.8693
drug-16_10%	0.5426	0.1307	0.5426	0.3120	0.6147
drug-17_10%	0.2872	0.2036	0.2872	0.1066	0.7675
drug-18_10%	0.9628	0.0149	0.9628	-0.0069	0.1106
drug-19_10%	0.7287	0.0775	0.7287	0.0061	0.5014
drybean_10%	0.8788	0.0346	0.8788	0.8542	0.2100
eeg_10%	0.1926	0.1009	0.1926	0.1221	0.5569
eeg-eye_10%	0.5554	0.4446	0.5554	0.0120	0.5415
euthyroid_10%	0.9177	0.0823	0.9177	0.3200	0.4036
fbis-wc_10%	0.0325	0.1138	0.0325	0.0001	0.4260
fonts10%_10%	0.4629	0.0202	0.5082	0.4260	0.7634
gas_10%	0.8289	0.0570	0.8289	0.7932	0.2287
gender_10%	0.5895	0.2737	0.5895	0.0078	0.3523
gene_10%	0.8801	0.0799	0.8801	0.8057	0.2969
german_10%	0.6700	0.3300	0.6700	0.0884	0.5988
gina_10%	0.7522	0.2478	0.7522	0.5016	0.6978
hapt_10%	0.8628	0.0229	0.8628	0.8379	0.2118
hiv1-proteasa_10%	0.8651	0.1349	0.8651	0.5189	0.6507
hiva_10%	0.9527	0.0473	0.9527	0.2070	0.6124
htru2_10%	0.9726	0.0274	0.9726	0.8224	0.2490
hypothyroid_10%	0.9841	0.0080	0.9841	0.9053	0.1319
hypothyroidT_10%	0.9947	0.0053	0.9947	0.9626	0.1146
isolet_10%	0.8190	0.0139	0.8190	0.8118	0.1638
jm1_10%	0.8090	0.1910	0.8090	0.0554	0.4776
jvowels_10%	0.7741	0.0502	0.7741	0.7447	0.2663
kc1_10%	0.8578	0.1422	0.8578	0.2846	0.6080
krkopt_10%	0.7907	0.0233	0.7907	0.7666	0.4548
krvskp_10%	0.8558	0.1442	0.8558	0.7108	0.5461
la1s-wc_10%	0.2875	0.2850	0.2875	0.0033	0.5679
la2s-wc_10%	0.0942	0.3623	0.0942	-0.0072	0.4975
letter_10%	0.7900	0.0162	0.7900	0.7815	0.2120
madelon_10%	0.5038	0.4962	0.5038	0.0077	0.9905
magic04_10%	0.7543	0.2457	0.7543	0.4767	0.7508
maternal_10%	0.7822	0.1452	0.7822	0.6701	0.4502
messidor_10%	0.6261	0.3739	0.6261	0.2680	0.8624
mfeat-fac_10%	0.9100	0.0180	0.9100	0.8994	0.1063
mfeat-fou_10%	0.7050	0.0590	0.7050	0.6710	0.2659
mfeat-kar_10%	0.8400	0.0320	0.8400	0.8218	0.1947
mfeat-mor_10%	0.6200	0.0760	0.6200	0.5764	0.3330
mfeat-pix_10%	0.9450	0.0110	0.9450	0.9386	0.0659
mfeat-zer_10%	0.6850	0.0630	0.6850	0.6494	0.2569
mice-prot_10%	0.9444	0.0139	0.9444	0.9364	0.0703
mobile_10%	0.8776	0.0044	0.8776	0.8754	0.0583
mushroom_10%	0.9212	0.0788	0.9212	0.6667	0.5382

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.8727	0.1273	0.8727	0.2833	0.3611
MUT_ci300400a_10%	0.5761	0.4268	0.4824	0.0025	0.6266
MUT_ci300400a.cdk.ECFP2_10%	0.5645	0.4867	0.5987	-0.0079	0.5683
myocardial_10%	0.8706	0.0324	0.8706	0.3264	0.2196
naticusdroid_10%	0.9512	0.0488	0.9512	0.9025	0.2550
newspop_10%	0.5325	0.4675	0.5325	0.0006	0.5225
NHANES_age_prediction_10%	0.9547	0.0838	0.9227	1.0000	0.0322
nomao_10%	0.9196	0.0804	0.9196	0.7941	0.3665
nursery_10%	0.8920	0.0432	0.8920	0.8071	0.2608
obs_10%	0.9907	0.0046	0.9907	0.9863	0.0361
occupancy_10%	0.9893	0.0107	0.9893	0.9703	0.1234
Occupancy_Estimation_10%	0.9722	0.0614	0.9789	0.8943	0.0925
oh0-wc_10%	0.1700	0.1660	0.1700	0.0541	0.4162
oh10-wc_10%	0.0667	0.1867	0.0667	-0.0007	0.4792
optdigits_10%	0.8310	0.0338	0.8310	0.8120	0.2248
optdigitsZ_10%	0.9858	0.0142	0.9858	0.9122	0.2170
ozone1hr_10%	0.9407	0.0593	0.9407	-0.0293	0.6345
ozone8hr_10%	0.9170	0.0830	0.9170	0.0625	0.5602
P-Glycoprotein_b_Inhibitor_10%	0.7707	0.2710	0.7085	0.4543	0.6509
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.8342	0.2731	0.7479	0.5752	0.5881
p53-mutants10%_10%	0.9554	0.0446	0.9554	-0.0060	0.1144
page-blocks_10%	0.9653	0.0139	0.9653	0.8060	0.2297
parkinson_10%	0.9083	0.0917	0.9083	0.8121	0.4142
pc1_10%	0.9279	0.0721	0.9279	0.2997	0.5774
pcmac_10%	0.5412	0.4588	0.5412	0.0244	0.9779
pendigits_10%	0.9072	0.0186	0.9072	0.8968	0.1418
phishing_10%	0.8776	0.1224	0.8776	0.7440	0.5051
phoneme_10%	0.7778	0.2222	0.7778	0.4795	0.7313
phy_10%	0.5028	0.4972	0.5028	0.0000	0.5544
polish-1st_10%	0.9559	0.0441	0.9559	0.0473	0.5209
polish-2nd_10%	0.9597	0.0403	0.9597	-0.0019	0.2438
polish-3rd_10%	0.9495	0.0505	0.9495	-0.0054	0.3653
polish-4th_10%	0.9551	0.0449	0.9551	0.4152	0.4664
polish-5th_10%	0.9509	0.0491	0.9509	0.4534	0.2376
polya_10%	0.6454	0.3546	0.6454	0.0217	0.5775
popularity_10%	0.6315	0.2456	0.6315	0.0023	0.3139
postures_10%	0.8115	0.0754	0.8115	0.7645	0.2423
re0-wc_10%	0.2333	0.1179	0.2333	0.0353	0.3454
re1-wc_10%	0.0364	0.0771	0.0364	0.0186	0.4139
rejafada_10%	0.9950	0.0050	0.9950	0.9205	0.0223
relathe_10%	0.9225	0.0775	0.9225	0.8441	0.3650
rocket_10%	0.5864	0.4136	0.5864	-0.0103	0.6054
satimage_10%	0.7978	0.0674	0.7978	0.7498	0.2949
satimageF_10%	0.9860	0.0140	0.9860	0.9265	0.1603
satimageT_10%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_10%	0.8718	0.1282	0.8718	0.0226	0.6555
secondary_mushroom_10%	0.6169	0.4058	0.6143	0.2545	0.5768
segment_10%	0.9091	0.0260	0.9091	0.8937	0.1397
segmentO_10%	0.9307	0.0693	0.9307	0.6574	0.1826
seismic_10%	0.9264	0.0736	0.9264	-0.0141	0.5085
semeion_10%	0.9748	0.0252	0.9748	0.8528	0.2322
sens-1-gram_10%	0.8579	0.1421	0.8579	-0.0199	0.5487
sens-2-gram_10%	0.8632	0.1368	0.8632	0.0697	0.5660
sens-3-gram_10%	0.8395	0.1605	0.8395	0.0009	0.7307
sens-4-gram_10%	0.8316	0.1684	0.8316	0.0114	0.7599
sensorless_10%	0.8850	0.0209	0.8850	0.8731	0.1099
shoppers_10%	0.8905	0.1095	0.8905	0.5601	0.5976
shuttle_10%	0.9979	0.0006	0.9979	0.9941	0.1363

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9284	0.0716	0.9284	-0.0099	0.4453
solar-flare_10%	0.7338	0.0887	0.7338	0.6594	0.2362
spambase_10%	0.8717	0.1283	0.8717	0.7209	0.4436
splice-EL_10%	0.9180	0.0820	0.9180	0.7879	0.4439
splice-IE_10%	0.9117	0.0883	0.9117	0.7509	0.4580
sport-articles_10%	0.8100	0.1900	0.8100	0.5808	0.6508
steel_industry_10%	0.8128	0.1370	0.8177	0.7618	0.3574
steel-b_10%	0.7897	0.2103	0.7897	0.0782	0.6050
steel-d_10%	0.9436	0.0564	0.9436	0.1248	0.5975
steel-k_10%	0.9590	0.0410	0.9590	0.8641	0.1337
steel-o_10%	0.6821	0.3179	0.6821	0.1417	0.6662
steel-p_10%	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s_10%	0.9744	0.0256	0.9744	0.6029	0.3542
steel-z_10%	0.9436	0.0564	0.9436	0.6550	0.4693
swarm_aligned_10%	0.9607	0.0560	0.9155	0.9479	0.0062
swarm_flocking_10%	0.9859	0.0290	0.9755	0.9849	0.0909
swarm_grouped_10%	0.9633	0.0558	0.9774	0.9289	0.0599
texture_10%	0.8782	0.0221	0.8782	0.8658	0.1438
theorem_10%	0.9902	0.0098	0.9902	0.9798	0.0786
tis_10%	0.8684	0.1316	0.8684	0.6246	0.5621
titanic_10%	0.8091	0.1909	0.8091	0.5247	0.6309
tuandromd_10%	0.9731	0.0269	0.9731	0.9178	0.2389
wap-wc_10%	0.0321	0.0968	0.0321	-0.0069	0.4202
waveform_10%	0.7140	0.1907	0.7140	0.5708	0.5288
web-phishing_10%	0.7704	0.1531	0.7704	0.6031	0.5334
weight-lift_10%	0.7167	0.1133	0.7167	0.6460	0.3275
wifi-loc_10%	0.9500	0.0250	0.9500	0.9333	0.1091
wilt_10%	0.9441	0.0559	0.9441	-0.0112	0.4874
winequality-red_10%	0.5283	0.1572	0.5283	0.2776	0.5917
winequality-white_10%	0.4540	0.1560	0.4540	0.2258	0.7113
yeast_10%	0.5135	0.0973	0.5135	0.3770	0.5091
yeastEXC_10%	0.9459	0.0541	0.9459	0.1732	0.5690
yeastME1_10%	0.9459	0.0541	0.9459	0.1732	0.5690
yeastME2_10%	0.9527	0.0473	0.9527	0.2055	0.4689
zip_10%	0.5565	0.0887	0.5565	0.3511	0.6831

Table 249: Detailed results for MultiBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1391	0.0594	0.1391	0.0344	0.3476
abalone19_10%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_10%	0.9816	0.0184	0.9816	-0.0012	0.2266
ads_10%	0.9573	0.0427	0.9573	0.8091	0.2813
adult_10%	0.8397	0.1603	0.8397	0.4470	0.4829
AID_1431_10%	0.8771	0.1033	0.8934	-0.1105	0.6380
AID_1878_10%	0.8052	0.1717	0.7503	0.1182	0.7207
AID_602330_10%	0.8422	0.0932	0.8901	-0.1052	0.6537
AID1608Morered_10%	0.8738	0.1262	0.8738	0.0656	0.6699
AID1608red_10%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_10%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_10%	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red_10%	0.9987	0.0013	0.9987	-0.0005	0.5055
AID456red_10%	0.9960	0.0040	0.9960	-0.0015	0.5141
AID604_10%	0.9962	0.0038	0.9962	-0.0004	0.2479
AID604AID644_AllRed_10%	0.9008	0.0173	0.9908	-0.0175	0.0000
AID687AID721red_10%	0.9991	0.0009	0.9991	-0.0004	0.5319
AID687red_10%	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red_10%	0.9901	0.0099	0.9901	-0.0014	0.3140
AID746AID1284red_10%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_10%	0.9935	0.0065	0.9935	-0.0009	0.3099
anuran-f-b_10%	0.9903	0.0097	0.9903	-0.0024	0.4342
anuran-family_10%	0.9040	0.0480	0.9040	0.8084	0.1573
anuran-genus_10%	0.8414	0.0396	0.8414	0.7232	0.1651
anuran-species_10%	0.9181	0.0164	0.9181	0.8849	0.0888
aps-failure_10%	0.9846	0.0154	0.9846	0.2781	0.1595
auction_10%	0.9265	0.0735	0.9265	0.5614	0.1871
avila_10%	0.5946	0.0676	0.5946	0.4178	0.2900
bank_10%	0.9119	0.0881	0.9119	0.4907	0.5630
banknote_10%	0.9562	0.0438	0.9562	0.9119	0.2334
barleyblumeria_10%	0.8018	0.1982	0.8018	0.5206	0.4976
basehock_10%	0.9347	0.0653	0.9347	0.8694	0.3059
biodeg_10%	0.7143	0.2857	0.7143	0.3000	0.5585
car_10%	0.9770	0.0115	0.9770	0.9512	0.1317
cardiotocography_10%	0.7230	0.0554	0.7230	0.6591	0.2067
cardiotocography-nsp_10%	0.8873	0.0751	0.8873	0.6595	0.3571
cargo2k_10%	0.9873	0.0085	0.9873	0.9810	0.0416
cas_N6512_cdk_ECFP2_10%	0.5853	0.4508	0.5331	0.1019	0.8216
census10%_10%	0.9465	0.0535	0.9465	0.1970	0.2078
cjs_10%	0.9786	0.0071	0.9786	0.9738	0.0347
clave_10%	0.9704	0.0296	0.9704	0.8974	0.2905
cmc_10%	0.5986	0.2676	0.5986	0.3685	0.6238
cnae-9_10%	0.5556	0.0988	0.5556	0.4889	0.2726
codon_usage_10%	0.5629	0.0817	0.5405	0.4756	0.2330
coil20_10%	0.6042	0.0396	0.6042	0.5837	0.1507
connect-4_10%	0.9821	0.0119	0.9821	0.3620	0.0675
cottonmeloidogyne_10%	0.5505	0.4495	0.5505	0.0946	0.7859
coupon_10%	0.7248	0.2752	0.7248	0.4336	0.7903
covtypeCD_10%	0.9493	0.0507	0.9493	0.7594	0.2938
covtypeT_10%	0.9299	0.0701	0.9299	-0.0005	0.2032
crowdsourced_10%	0.7834	0.0722	0.7834	0.4161	0.1738
default_10%	0.8257	0.1743	0.8257	0.3843	0.6297
deposit_10%	0.8967	0.1033	0.8967	0.4003	0.6048
diabetic10%_10%	0.5393	0.3071	0.5393	0.0000	0.3426
dropout_10%	0.7246	0.1836	0.7246	0.5179	0.4757

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.3989	0.1717	0.3989	0.0183	0.4445
drug-02_10%	0.5000	0.1429	0.5000	-0.0011	0.4237
drug-03_10%	0.6702	0.0942	0.6702	-0.0171	0.4043
drug-04_10%	0.5106	0.1398	0.5106	0.0237	0.5232
drug-05_10%	0.7340	0.0760	0.7340	0.0271	0.1877
drug-06_10%	0.3777	0.1778	0.3777	0.1929	0.4702
drug-07_10%	0.4255	0.1641	0.4255	-0.0061	0.2793
drug-08_10%	0.5638	0.1246	0.5638	0.0813	0.3678
drug-09_10%	0.8564	0.0410	0.8564	-0.0136	0.2895
drug-10_10%	0.5266	0.1353	0.5266	0.0065	0.4192
drug-11_10%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_10%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_10%	0.5798	0.1201	0.5798	0.0103	0.2592
drug-14_10%	0.5745	0.1216	0.5745	0.0506	0.3286
drug-15_10%	0.7606	0.0684	0.7606	0.0596	0.2782
drug-16_10%	0.5213	0.1368	0.5213	0.0610	0.4839
drug-17_10%	0.3298	0.1915	0.3298	0.0097	0.3497
drug-18_10%	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19_10%	0.7606	0.0684	0.7606	-0.0151	0.2429
drybean_10%	0.9082	0.0262	0.9082	0.8887	0.1351
eeg_10%	0.1444	0.1070	0.1444	0.0019	0.3672
eeg-eye_10%	0.5527	0.4473	0.5527	0.0052	0.5313
euthyroid_10%	0.8956	0.1044	0.8956	0.0355	0.5206
fbis-wc_10%	0.1870	0.0956	0.1870	-0.0209	0.4365
fonts10%_10%	0.3205	0.1030	0.3562	0.3489	0.3047
gas_10%	0.6204	0.1265	0.6204	0.5360	0.2828
gender_10%	0.5895	0.2737	0.5895	0.0091	0.3948
gene_10%	0.9211	0.0526	0.9211	0.8728	0.2146
german_10%	0.6400	0.3600	0.6400	-0.0028	0.6963
gina_10%	0.7637	0.2363	0.7637	0.5248	0.6752
hapt_10%	0.5361	0.0773	0.5361	0.4454	0.1483
hiv1-proteasa_10%	0.8853	0.1147	0.8853	0.5316	0.5508
hiva_10%	0.9622	0.0378	0.9622	0.1005	0.4517
htru2_10%	0.9737	0.0263	0.9737	0.8276	0.2164
hypothyroid_10%	0.9814	0.0093	0.9814	0.8813	0.1053
hypothyroidT_10%	0.9814	0.0186	0.9814	0.8580	0.1669
isolet_10%	0.3350	0.0512	0.3350	0.3084	0.2805
jm1_10%	0.8072	0.1928	0.8072	0.0355	0.4643
jvowels_10%	0.6255	0.0832	0.6255	0.5709	0.2612
kc1_10%	0.8531	0.1469	0.8531	0.2727	0.6396
krkopt_10%	0.7736	0.0252	0.7736	0.7463	0.3387
krvskp_10%	0.9373	0.0627	0.9373	0.8736	0.3130
la1s-wc_10%	0.3156	0.2737	0.3156	0.0122	0.4716
la2s-wc_10%	0.3117	0.2753	0.3117	-0.0044	0.3838
letter_10%	0.2855	0.0550	0.2855	0.2583	0.3234
madelon_10%	0.4885	0.5115	0.4885	-0.0231	1.0000
magic04_10%	0.7696	0.2304	0.7696	0.4918	0.7384
maternal_10%	0.7327	0.1782	0.7327	0.5928	0.4815
messidor_10%	0.6435	0.3565	0.6435	0.3020	0.8424
mfeat-fac_10%	0.7800	0.0440	0.7800	0.7553	0.1661
mfeat-fou_10%	0.4500	0.1100	0.4500	0.3972	0.2853
mfeat-kar_10%	0.5500	0.0900	0.5500	0.5021	0.3131
mfeat-mor_10%	0.6800	0.0640	0.6800	0.6436	0.2267
mfeat-pix_10%	0.9150	0.0170	0.9150	0.9052	0.1026
mfeat-zer_10%	0.4100	0.1180	0.4100	0.3495	0.3155
mice-prot_10%	0.9352	0.0162	0.9352	0.9258	0.0805
mobile_10%	0.2448	0.0270	0.2448	0.2311	0.3076
mushroom_10%	0.9692	0.0308	0.9692	0.8520	0.3840

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.8697	0.1303	0.8697	0.2575	0.3661
MUT_ci300400a_10%	0.6976	0.4137	0.6635	0.3881	0.8369
MUT_ci300400a.cdk_ECFP2_10%	0.6036	0.4263	0.5215	0.0637	0.6163
myocardial_10%	0.8706	0.0324	0.8706	0.3265	0.2260
naticusdroid_10%	0.9553	0.0447	0.9553	0.9107	0.2404
newspop_10%	0.5328	0.4672	0.5328	0.0011	0.5225
NHANES_age_prediction_10%	0.9801	0.0063	0.9265	0.9472	0.0332
nomao_10%	0.9187	0.0813	0.9187	0.7986	0.4100
nursery_10%	0.9869	0.0052	0.9869	0.9760	0.1657
obs_10%	0.8333	0.0833	0.8333	0.7403	0.1308
occupancy_10%	0.9908	0.0092	0.9908	0.9743	0.1107
Occupancy_Estimation_10%	0.9304	0.0021	0.9367	0.9866	0.0335
oh0-wc_10%	0.1800	0.1640	0.1800	0.0019	0.5101
oh10-wc_10%	0.1905	0.1619	0.1905	0.0404	0.4694
optdigits_10%	0.8434	0.0313	0.8434	0.8261	0.1705
optdigitsZ_10%	0.9893	0.0107	0.9893	0.9317	0.1060
ozone1hr_10%	0.9605	0.0395	0.9605	-0.0072	0.4371
ozone8hr_10%	0.9289	0.0711	0.9289	0.0932	0.1761
P-Glycoprotein_b_Inhibitor_10%	0.7780	0.2112	0.7887	0.5872	0.6653
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.7691	0.2208	0.8237	0.5937	0.6550
p53-mutants10%_10%	0.9904	0.0096	0.9904	-0.0043	0.4048
page-blocks_10%	0.9634	0.0146	0.9634	0.7597	0.0778
parkinson_10%	0.9500	0.0500	0.9500	0.8972	0.2733
pc1_10%	0.9279	0.0721	0.9279	0.1763	0.4947
pcmac_10%	0.5309	0.4691	0.5309	-0.0349	0.9712
pendigits_10%	0.9481	0.0104	0.9481	0.9423	0.0633
phishing_10%	0.8735	0.1265	0.8735	0.7360	0.5155
phoneme_10%	0.7852	0.2148	0.7852	0.4950	0.7215
phy_10%	0.5024	0.4976	0.5024	-0.0008	0.5396
polish-1st_10%	0.9630	0.0370	0.9630	0.0689	0.1081
polish-2nd_10%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_10%	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th_10%	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th_10%	0.9526	0.0474	0.9526	0.4636	0.1324
polya_10%	0.6465	0.3535	0.6465	0.0238	0.5645
popularity_10%	0.6310	0.2460	0.6310	0.0010	0.3172
postures_10%	0.4517	0.2193	0.4517	0.3122	0.3253
re0-wc_10%	0.4133	0.0903	0.4133	0.0155	0.2770
re1-wc_10%	0.2364	0.0611	0.2364	0.0377	0.4070
rejafada_10%	0.9950	0.0050	0.9950	0.9205	0.0223
relathe_10%	0.9789	0.0211	0.9789	0.9575	0.1395
rocket_10%	0.5864	0.4136	0.5864	-0.0116	0.5902
satimage_10%	0.7729	0.0757	0.7729	0.7143	0.2447
satimageF_10%	0.9876	0.0124	0.9876	0.9351	0.1542
satimageT_10%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_10%	0.9103	0.0897	0.9103	0.0808	0.6776
secondary_mushroom_10%	0.6461	0.3303	0.6006	0.3237	0.5537
segment_10%	0.9177	0.0235	0.9177	0.9037	0.1035
segmentO_10%	0.9264	0.0736	0.9264	0.6304	0.1901
seismic_10%	0.9341	0.0659	0.9341	0.0000	0.1661
semeion_10%	0.9748	0.0252	0.9748	0.8610	0.3001
sens-1-gram_10%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_10%	0.8711	0.1289	0.8711	0.0873	0.4343
sens-3-gram_10%	0.8711	0.1289	0.8711	0.0615	0.3715
sens-4-gram_10%	0.8605	0.1395	0.8605	0.0391	0.5724
sensorless_10%	0.7802	0.0400	0.7802	0.7578	0.1287
shoppers_10%	0.8856	0.1144	0.8856	0.5278	0.6068
shuttle_10%	0.9988	0.0003	0.9988	0.9966	0.0676

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9337	0.0663	0.9337	0.0000	0.1669
solar-flare_10%	0.7338	0.0887	0.7338	0.6578	0.2144
spambase_10%	0.8870	0.1130	0.8870	0.7557	0.4171
splice-EL_10%	0.9464	0.0536	0.9464	0.8630	0.3437
splice-IE_10%	0.9085	0.0915	0.9085	0.7479	0.4790
sport-articles_10%	0.7900	0.2100	0.7900	0.5366	0.6912
steel_industry_10%	0.8418	0.0723	0.8533	0.7827	0.2874
steel-b_10%	0.8000	0.2000	0.8000	0.0997	0.4726
steel-d_10%	0.9692	0.0308	0.9692	0.2383	0.4569
steel-k_10%	0.9744	0.0256	0.9744	0.9175	0.0949
steel-o_10%	0.6872	0.3128	0.6872	0.1375	0.5382
steel-p_10%	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s_10%	0.9846	0.0154	0.9846	0.7617	0.0555
steel-z_10%	0.9077	0.0923	0.9077	0.2183	0.4962
swarm_aligned_10%	0.9200	0.0202	0.9288	0.9268	0.0210
swarm_flocking_10%	0.9175	0.0707	0.9446	0.9291	0.1034
swarm_grouped_10%	0.9366	0.0836	0.9787	0.9755	0.0777
texture_10%	0.7636	0.0430	0.7636	0.7402	0.1491
theorem_10%	0.9918	0.0082	0.9918	0.9832	0.0680
tis_10%	0.8706	0.1294	0.8706	0.6353	0.5625
titanic_10%	0.8182	0.1818	0.8182	0.5163	0.4251
tuandromd_10%	0.9641	0.0359	0.9641	0.8896	0.2802
wap-wc_10%	0.2115	0.0788	0.2115	-0.0027	0.3837
waveform_10%	0.7160	0.1893	0.7160	0.5744	0.4607
web-phishing_10%	0.8074	0.1284	0.8074	0.6584	0.4904
weight-lift_10%	0.4031	0.2388	0.4031	0.1797	0.3360
wifi-loc_10%	0.9700	0.0150	0.9700	0.9600	0.0565
wilt_10%	0.9482	0.0518	0.9482	-0.0040	0.3208
winequality-red_10%	0.5723	0.1426	0.5723	0.2817	0.4418
winequality-white_10%	0.4499	0.1572	0.4499	0.0170	0.3431
yeast_10%	0.4797	0.1041	0.4797	0.3378	0.3655
yeastEXC_10%	0.9662	0.0338	0.9662	-0.0109	0.5494
yeastME1_10%	0.9662	0.0338	0.9662	0.5293	0.5593
yeastME2_10%	0.9595	0.0405	0.9595	0.2410	0.1164
zip_10%	0.5942	0.0812	0.5942	0.4396	0.6258

Table 250: Detailed results for NewtonBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_10%	0.1535	0.0584	0.1535	0.0742	0.5903
abalone19_10%	0.9856	0.0144	0.9856	-0.0072	0.5293
accelerometer_10%	0.9819	0.0181	0.9819	0.0316	0.2238
ads_10%	0.9756	0.0244	0.9756	0.8950	0.1934
adult_10%	0.8683	0.1317	0.8683	0.6064	0.5609
AID_1431_10%	0.9034	0.1485	0.8576	-0.0295	0.2155
AID_1878_10%	0.7565	0.3258	0.7557	-0.0757	0.7831
AID_602330_10%	0.8629	0.1077	0.8615	-0.1110	0.5372
AID1608Morered_10%	0.8738	0.1262	0.8738	0.0656	0.6699
AID1608red_10%	0.8738	0.1262	0.8738	-0.0669	0.6366
AID362red_10%	0.9673	0.0327	0.9673	-0.0163	0.5122
AID373AID439red_10%	0.9975	0.0826	0.9175	-0.0563	0.3191
AID373red_10%	0.9988	0.0012	0.9988	-0.0003	0.4066
AID456red_10%	0.9940	0.0060	0.9940	-0.0030	0.5141
AID604_10%	0.9434	0.0499	0.9292	0.5935	0.2838
AID604AID644_AllRed_10%	0.9454	0.1049	0.9866	0.6639	0.5338
AID687AID721red_10%	0.9282	0.0585	0.9055	-0.0576	0.3086
AID687red_10%	0.9955	0.0045	0.9955	-0.0020	0.5425
AID688red_10%	0.9904	0.0096	0.9904	-0.0007	0.2166
AID746AID1284red_10%	0.9985	0.0015	0.9985	-0.0007	0.5338
AID746red_10%	0.9933	0.0067	0.9933	-0.0012	0.3575
anuran-f-b_10%	0.9958	0.0042	0.9958	0.7671	0.4228
anuran-family_10%	0.9805	0.0097	0.9805	0.9629	0.1003
anuran-genus_10%	0.9764	0.0059	0.9764	0.9609	0.0671
anuran-species_10%	0.9806	0.0039	0.9806	0.9729	0.0394
aps-failure_10%	0.8848	0.0796	0.9767	0.7470	0.3511
auction_10%	0.9559	0.0441	0.9559	0.7983	0.3743
avila_10%	0.9617	0.0064	0.9617	0.9505	0.2558
bank_10%	0.9145	0.0855	0.9145	0.5424	0.5748
banknote_10%	0.9708	0.0292	0.9708	0.9411	0.1781
barleyblumeria_10%	0.8779	0.1221	0.8779	0.7237	0.4549
basehock_10%	0.9447	0.0553	0.9447	0.8895	0.2663
biodeg_10%	0.8762	0.1238	0.8762	0.7337	0.5001
car_10%	0.9310	0.0345	0.9310	0.8565	0.3322
cardiotocography_10%	0.8451	0.0310	0.8451	0.8146	0.1980
cardiotocography-nsp_10%	0.9155	0.0563	0.9155	0.7737	0.3239
cargo2k_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_10%	0.6529	0.3446	0.6844	0.4653	0.8219
census10%_10%	0.9529	0.0471	0.9529	0.4347	0.4108
cjs_10%	0.9607	0.0131	0.9607	0.9522	0.0812
clave_10%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_10%	0.5374	0.3084	0.5374	0.2766	0.7213
cnae-9_10%	0.9259	0.0165	0.9259	0.9160	0.0868
codon_usage_10%	0.8738	0.0931	0.8954	0.8542	0.1012
coil20_10%	0.9514	0.0049	0.9514	0.9488	0.0345
connect-4_10%	0.9058	0.0410	0.9892	0.8990	0.0305
cottonmeloidogyne_10%	0.7668	0.2332	0.7668	0.5337	0.7228
coupon_10%	0.7429	0.2571	0.7429	0.4682	0.7599
covtypeCD_10%	0.9806	0.0194	0.9806	0.9157	0.1714
covtypeT_10%	0.9735	0.0265	0.9735	0.7819	0.3188
crowdsourced_10%	0.9336	0.0221	0.9336	0.8619	0.2665
default_10%	0.8183	0.1817	0.8183	0.3835	0.6808
deposit_10%	0.9051	0.0949	0.9051	0.4739	0.5850
diabetic10%_10%	0.5629	0.2914	0.5629	0.1486	0.6449
dropout_10%	0.7585	0.1610	0.7585	0.5994	0.4912

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_10%	0.3191	0.1945	0.3191	0.0126	0.7740
drug-02_10%	0.4894	0.1459	0.4894	0.1478	0.6918
drug-03_10%	0.6117	0.1109	0.6117	0.0340	0.6190
drug-04_10%	0.4681	0.1520	0.4681	0.1075	0.7374
drug-05_10%	0.7021	0.0851	0.7021	0.0299	0.6003
drug-06_10%	0.3404	0.1885	0.3404	0.1852	0.7153
drug-07_10%	0.3617	0.1824	0.3617	0.0006	0.5961
drug-08_10%	0.4840	0.1474	0.4840	0.1145	0.8175
drug-09_10%	0.8457	0.0441	0.8457	0.1055	0.5661
drug-10_10%	0.5106	0.1398	0.5106	0.1428	0.6470
drug-11_10%	0.8245	0.0502	0.8245	0.0652	0.4620
drug-12_10%	0.7447	0.0729	0.7447	0.0107	0.6205
drug-13_10%	0.6277	0.1064	0.6277	0.3230	0.5556
drug-14_10%	0.5745	0.1216	0.5745	0.2796	0.6682
drug-15_10%	0.7128	0.0821	0.7128	0.0743	0.7474
drug-16_10%	0.5266	0.1353	0.5266	0.2441	0.6306
drug-17_10%	0.3191	0.1945	0.3191	0.1100	0.8033
drug-18_10%	0.9734	0.0106	0.9734	-0.0043	0.0076
drug-19_10%	0.7287	0.0775	0.7287	0.0698	0.4938
drybean_10%	0.9236	0.0218	0.9236	0.9076	0.1248
eeg_10%	0.5202	0.0600	0.5202	0.4689	0.6234
eeg-eye_10%	0.8498	0.1502	0.8498	0.6936	0.5497
euthyroid_10%	0.9589	0.0411	0.9589	0.7641	0.4069
fbis-wc_10%	0.1951	0.0947	0.1951	-0.0106	0.4495
fonts10%_10%	0.5070	0.0429	0.4774	0.4412	0.6393
gas_10%	0.9871	0.0043	0.9871	0.9843	0.0304
gender_10%	0.5642	0.2905	0.5642	0.0908	0.5949
gene_10%	0.9085	0.0610	0.9085	0.8535	0.2653
german_10%	0.6700	0.3300	0.6700	0.2067	0.8645
gina_10%	0.9452	0.0548	0.9452	0.8904	0.2828
hapt_10%	0.9588	0.0069	0.9588	0.9513	0.0699
hiv1-proteasa_10%	0.8702	0.1298	0.8702	0.4767	0.6145
hiva_10%	0.9504	0.0496	0.9504	0.0639	0.6223
htru2_10%	0.9793	0.0207	0.9793	0.8697	0.2166
hypothyroid_10%	0.9761	0.0119	0.9761	0.8598	0.3840
hypothyroidT_10%	0.9973	0.0027	0.9973	0.9810	0.0136
isolet_10%	0.9114	0.0068	0.9114	0.9079	0.0796
jml_10%	0.8200	0.1800	0.8200	0.2147	0.6210
jvowels_10%	0.9629	0.0083	0.9629	0.9579	0.0675
kc1_10%	0.8483	0.1517	0.8483	0.3253	0.6935
krkopt_10%	0.7048	0.0328	0.7048	0.6681	0.2952
krvskp_10%	0.9342	0.0658	0.9342	0.8673	0.3250
la1s-wc_10%	0.3156	0.2737	0.3156	0.0122	0.4716
la2s-wc_10%	0.3019	0.2792	0.3019	-0.0127	0.4878
letter_10%	0.9100	0.0069	0.9100	0.9064	0.1068
madelon_10%	0.7346	0.2654	0.7346	0.4692	0.7687
magic04_10%	0.8722	0.1278	0.8722	0.7095	0.4982
maternal_10%	0.8317	0.1122	0.8317	0.7429	0.3678
messidor_10%	0.6783	0.3217	0.6783	0.3377	0.8504
mfeat-fac_10%	0.9550	0.0090	0.9550	0.9497	0.0576
mfeat-fou_10%	0.8300	0.0340	0.8300	0.8102	0.1269
mfeat-kar_10%	0.9200	0.0160	0.9200	0.9109	0.0978
mfeat-mor_10%	0.6400	0.0720	0.6400	0.5992	0.2950
mfeat-pix_10%	0.9650	0.0070	0.9650	0.9609	0.0464
mfeat-zer_10%	0.8000	0.0400	0.8000	0.7773	0.1413
mice-prot_10%	0.9815	0.0046	0.9815	0.9788	0.0241
mobile_10%	0.3881	0.0219	0.3881	0.3770	0.2849
mushroom_10%	0.9840	0.0160	0.9840	0.9184	0.2748

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_10%	0.9455	0.0545	0.9455	0.7670	0.2860
MUT_ci300400a_10%	0.8466	0.2587	0.7924	0.5981	0.5920
MUT_ci300400a.cdk.ECFP2_10%	0.8013	0.2141	0.8080	0.5680	0.7731
myocardial_10%	0.8824	0.0294	0.8824	0.4154	0.2131
naticusdroid_10%	0.9632	0.0368	0.9632	0.9264	0.2104
newspop_10%	0.6718	0.3282	0.6718	0.3374	0.8550
NHANES_age_prediction_10%	0.9916	0.0406	0.9625	0.9783	0.0609
nomao_10%	0.9562	0.0438	0.9562	0.8924	0.2713
nursery_10%	0.9907	0.0037	0.9907	0.9828	0.0123
obs_10%	0.9815	0.0093	0.9815	0.9727	0.0635
occupancy_10%	0.9878	0.0122	0.9878	0.9662	0.1307
Occupancy_Estimation_10%	0.8857	0.0469	0.9291	0.9495	0.0464
oh0-wc_10%	0.1700	0.1660	0.1700	-0.0097	0.5312
oh10-wc_10%	0.2000	0.1600	0.2000	0.0520	0.4926
optdigits_10%	0.9520	0.0096	0.9520	0.9466	0.0672
optdigitsZ_10%	0.9947	0.0053	0.9947	0.9674	0.1218
ozone1hr_10%	0.9526	0.0474	0.9526	-0.0181	0.6053
ozone8hr_10%	0.9209	0.0791	0.9209	0.1984	0.5790
P-Glycoprotein_b_Inhibitor_10%	0.7455	0.2306	0.7784	0.5934	0.6408
P-Glycoprotein_c_RDkit_AtomPair_FP_10%	0.7696	0.2360	0.8529	0.6219	0.6429
p53-mutants10%_10%	0.9586	0.0414	0.9586	-0.0059	0.1217
page-blocks_10%	0.9689	0.0124	0.9689	0.8325	0.3208
parkinson_10%	0.9750	0.0250	0.9750	0.9487	0.1507
pc1_10%	0.8739	0.1261	0.8739	0.1545	0.6696
pcmac_10%	0.4948	0.5052	0.4948	-0.0920	1.0000
pendigits_10%	0.9827	0.0035	0.9827	0.9808	0.0309
phishing_10%	0.9388	0.0612	0.9388	0.8713	0.3146
phoneme_10%	0.8796	0.1204	0.8796	0.7053	0.5368
phy_10%	0.7287	0.3621	0.7021	0.4703	0.8290
polish-1st_10%	0.9716	0.0284	0.9716	0.5104	0.3983
polish-2nd_10%	0.9587	0.0413	0.9587	0.1774	0.4923
polish-3rd_10%	0.9619	0.0381	0.9619	0.3966	0.3435
polish-4th_10%	0.9612	0.0388	0.9612	0.5286	0.4382
polish-5th_10%	0.9594	0.0406	0.9594	0.6362	0.4001
polya_10%	0.7784	0.2216	0.7784	0.5055	0.7190
popularity_10%	0.6172	0.2698	0.5889	0.1761	0.5564
postures_10%	0.8852	0.0509	0.9796	0.9480	0.1233
re0-wc_10%	0.3933	0.0933	0.3933	0.0055	0.3375
re1-wc_10%	0.2424	0.0606	0.2424	0.0447	0.4074
rejafada_10%	0.9899	0.0100	0.9899	0.8519	0.2943
relathe_10%	0.9718	0.0282	0.9718	0.9433	0.1740
rocket_10%	0.6909	0.3091	0.6909	0.3603	0.8380
satimage_10%	0.9129	0.0290	0.9129	0.8924	0.1477
satimageF_10%	0.9860	0.0140	0.9860	0.9274	0.1815
satimageT_10%	0.9347	0.0653	0.9347	0.5838	0.4705
secom_10%	0.9167	0.0833	0.9167	-0.0305	0.6521
secondary_mushroom_10%	0.9544	0.0653	0.9125	0.9100	0.1025
segment_10%	0.9394	0.0173	0.9394	0.9291	0.0827
segmentO_10%	0.9957	0.0043	0.9957	0.9825	0.0218
seismic_10%	0.9225	0.0775	0.9225	0.1940	0.6347
semeion_10%	0.9874	0.0126	0.9874	0.9305	0.1848
sens-1-gram_10%	0.8632	0.1368	0.8632	0.0445	0.5361
sens-2-gram_10%	0.8632	0.1368	0.8632	0.1780	0.6520
sens-3-gram_10%	0.8711	0.1289	0.8711	0.2163	0.6074
sens-4-gram_10%	0.8605	0.1395	0.8605	0.1104	0.6333
sensorless_10%	0.9785	0.0039	0.9785	0.9763	0.0444
shoppers_10%	0.9011	0.0989	0.9011	0.5747	0.5353
shuttle_10%	0.9959	0.0012	0.9959	0.9883	0.3897

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_10%	0.9629	0.0371	0.9629	0.6885	0.4482
solar-flare_10%	0.7698	0.0767	0.7698	0.7063	0.2379
spambase_10%	0.9261	0.0739	0.9261	0.8449	0.3567
splice-EL_10%	0.9527	0.0473	0.9527	0.8791	0.3179
splice-IE_10%	0.9211	0.0789	0.9211	0.7885	0.4438
sport-articles_10%	0.8100	0.1900	0.8100	0.5947	0.6609
steel_industry_10%	0.8499	0.0724	0.8323	0.7772	0.3109
steel-b_10%	0.8462	0.1538	0.8462	0.5010	0.6527
steel-d_10%	0.9692	0.0308	0.9692	0.4841	0.5554
steel-k_10%	0.9692	0.0308	0.9692	0.9039	0.2161
steel-o_10%	0.7897	0.2103	0.7897	0.5355	0.7048
steel-p_10%	0.9231	0.0769	0.9231	0.4417	0.6031
steel-s_10%	0.9795	0.0205	0.9795	0.7039	0.3276
steel-z_10%	0.9744	0.0256	0.9744	0.8576	0.3271
swarm_aligned_10%	1.0000	0.0462	1.0000	0.9964	0.0786
swarm_flocking_10%	0.9029	0.1059	1.0000	0.8936	0.0886
swarm_grouped_10%	0.9359	0.0290	0.9713	0.9654	0.0358
texture_10%	0.9727	0.0050	0.9727	0.9699	0.0397
theorem_10%	0.9967	0.0033	0.9967	0.9933	0.0312
tis_10%	0.9140	0.0860	0.9140	0.7581	0.4170
titanic_10%	0.8091	0.1909	0.8091	0.5247	0.6309
tuandromd_10%	0.9776	0.0224	0.9776	0.9304	0.1938
wap-wc_10%	0.2115	0.0788	0.2115	-0.0027	0.3853
waveform_10%	0.8200	0.1200	0.8200	0.7299	0.4000
web-phishing_10%	0.8148	0.1235	0.8148	0.6720	0.4780
weight-lift_10%	0.9279	0.0000	0.8917	0.9191	0.0224
wifi-loc_10%	0.9500	0.0250	0.9500	0.9333	0.1167
wilt_10%	0.9731	0.0269	0.9731	0.7309	0.4603
winequality-red_10%	0.6226	0.1258	0.6226	0.4128	0.5813
winequality-white_10%	0.6033	0.1134	0.6033	0.3981	0.7040
yeast_10%	0.5135	0.0973	0.5135	0.3691	0.4544
yeastEXC_10%	0.9459	0.0541	0.9459	-0.0278	0.5857
yeastME1_10%	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2_10%	0.9324	0.0676	0.9324	0.1325	0.6459
zip_10%	0.6555	0.0689	0.6555	0.5012	0.5367

### 5.3 Noise 20%

Table 251: Detailed results for RotationForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1103	0.0614	0.1103	0.0684	0.8131
abalone19_20%	0.8445	0.1555	0.8445	0.0164	0.1058
accelerometer_20%	0.6849	0.3151	0.6849	0.0567	0.1456
ads_20%	0.9573	0.0427	0.9573	0.8322	0.3871
adult_20%	0.7899	0.2101	0.7899	0.5190	0.6468
AID_1431_20%	0.8879	0.1133	0.6868	-0.1024	0.8172
AID_1878_20%	0.6201	0.2347	0.7820	-0.0564	0.7317
AID_602330_20%	0.8984	0.1765	0.9213	-0.2185	0.5908
AID1608Morered_20%	0.8058	0.1942	0.8058	0.1459	0.5531
AID1608red_20%	0.6117	0.3883	0.6117	-0.1099	0.3724
AID362red_20%	0.9291	0.0279	0.8127	0.0926	0.1206
AID373AID439red_20%	0.8155	0.1845	0.8155	-0.0003	0.0025
AID373red_20%	0.8741	0.1259	0.8741	0.0033	0.0193
AID456red_20%	0.8647	0.1353	0.8647	-0.0059	0.0467
AID604_20%	0.9589	0.0599	0.9011	0.8561	0.0455
AID604AID644_AllRed_20%	0.9075	0.2047	0.8131	0.0999	0.0264
AID687AID721red_20%	0.8391	0.1609	0.8391	-0.0012	0.0092
AID687red_20%	0.6269	0.3731	0.6269	-0.0028	0.0279
AID688red_20%	0.6580	0.3420	0.6580	0.0095	0.0791
AID746AID1284red_20%	0.8506	0.1494	0.8506	0.0002	0.0163
AID746red_20%	0.5293	0.4707	0.5293	0.0056	0.0421
anuran-f-b_20%	0.9013	0.0987	0.9013	0.1311	0.1927
anuran-family_20%	0.9708	0.0146	0.9708	0.9447	0.2017
anuran-genus_20%	0.9611	0.0097	0.9611	0.9370	0.2278
anuran-species_20%	0.9750	0.0050	0.9750	0.9653	0.0964
aps-failure_20%	0.7893	0.0866	0.7919	0.7240	0.2399
auction_20%	0.8382	0.1618	0.8382	0.4844	0.6076
avila_20%	0.9459	0.0090	0.9459	0.9311	0.2755
bank_20%	0.8417	0.1583	0.8417	0.4865	0.5698
banknote_20%	0.9343	0.0657	0.9343	0.8681	0.3148
barleyblumeria_20%	0.8848	0.1152	0.8848	0.7434	0.4651
basehock_20%	0.9548	0.0452	0.9548	0.9096	0.2432
biodeg_20%	0.9333	0.0667	0.9333	0.8620	0.3257
car_20%	0.7701	0.1149	0.7701	0.6049	0.4868
cardiotocography_20%	0.8498	0.0300	0.8498	0.8220	0.1979
cardiotocography-nsp_20%	0.8592	0.0939	0.8592	0.6672	0.4748
cargo2k_20%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_20%	0.5672	0.2735	0.6521	0.3168	0.8274
census10%_20%	0.7563	0.2437	0.7563	0.2342	0.4078
cjs_20%	0.9786	0.0071	0.9786	0.9739	0.0441
clave_20%	0.9185	0.0815	0.9185	0.7546	0.4612
cmc_20%	0.5306	0.3129	0.5306	0.2882	0.7161
cnae-9_20%	0.9167	0.0185	0.9167	0.9055	0.0895
codon_usage_20%	0.7219	0.2087	0.9390	0.8214	0.2964
coil20_20%	1.0000	0.0000	1.0000	1.0000	0.0000
connect-4_20%	0.7827	0.1449	0.7827	0.1201	0.2329
cottonmeloidogyne_20%	0.7404	0.2596	0.7404	0.4813	0.7556
coupon_20%	0.6727	0.3273	0.6727	0.3406	0.8510
covtypeCD_20%	0.9364	0.0636	0.9364	0.7711	0.4649
covtypeT_20%	0.8486	0.1514	0.8486	0.4027	0.5102
crowdsourced_20%	0.9346	0.0218	0.9346	0.8684	0.2013
default_20%	0.7607	0.2393	0.7607	0.3781	0.7551
deposit_20%	0.8303	0.1697	0.8303	0.4612	0.5863
diabetic10%_20%	0.5157	0.3229	0.5157	0.1802	0.7653
dropout_20%	0.7449	0.1701	0.7449	0.5844	0.4885

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.2872	0.2036	0.2872	0.0704	0.8921
drug-02_20%	0.3777	0.1778	0.3777	0.1705	0.8029
drug-03_20%	0.4415	0.1596	0.4415	0.1309	0.7315
drug-04_20%	0.3351	0.1900	0.3351	0.1135	0.8414
drug-05_20%	0.3404	0.1885	0.3404	0.0237	0.7253
drug-06_20%	0.2926	0.2021	0.2926	0.1554	0.7400
drug-07_20%	0.2394	0.2173	0.2394	0.0016	0.8854
drug-08_20%	0.3830	0.1763	0.3830	0.1622	0.7665
drug-09_20%	0.4734	0.1505	0.4734	0.0439	0.5559
drug-10_20%	0.4415	0.1596	0.4415	0.2189	0.8207
drug-11_20%	0.4309	0.1626	0.4309	0.0836	0.6531
drug-12_20%	0.5479	0.1292	0.5479	0.0733	0.7157
drug-13_20%	0.5053	0.1413	0.5053	0.2485	0.8090
drug-14_20%	0.4468	0.1581	0.4468	0.2334	0.7817
drug-15_20%	0.5638	0.1246	0.5638	0.1670	0.8266
drug-16_20%	0.5213	0.1368	0.5213	0.3415	0.6601
drug-17_20%	0.2766	0.2067	0.2766	0.1190	0.8008
drug-18_20%	0.7128	0.1149	0.7128	-0.0068	0.0325
drug-19_20%	0.5053	0.1413	0.5053	0.0960	0.7294
drybean_20%	0.9155	0.0241	0.9155	0.8979	0.1392
eeg_20%	0.5325	0.0584	0.5325	0.4850	0.5927
eeg-eye_20%	0.8638	0.1362	0.8638	0.7242	0.5290
euthyroid_20%	0.8639	0.1361	0.8639	0.5073	0.5583
fbis-wc_20%	0.0406	0.1129	0.0406	0.0035	0.4705
fonts10%_20%	0.5310	0.0573	0.4785	0.5948	0.3513
gas_20%	0.9935	0.0022	0.9935	0.9922	0.0171
gender_20%	0.5011	0.3326	0.5011	0.1494	0.7549
gene_20%	0.8991	0.0673	0.8991	0.8380	0.2704
german_20%	0.6500	0.3500	0.6500	0.2257	0.8914
gina_20%	0.9135	0.0865	0.9135	0.8273	0.3807
hapt_20%	0.9488	0.0085	0.9488	0.9395	0.0592
hiv1-proteasa_20%	0.8145	0.1855	0.8145	0.4690	0.6678
hiva_20%	0.6974	0.3026	0.6974	0.0637	0.2754
htru2_20%	0.9140	0.0860	0.9140	0.6127	0.5619
hypothyroid_20%	0.8382	0.0809	0.8382	0.4753	0.3813
hypothyroidT_20%	0.8594	0.1406	0.8594	0.4613	0.5092
isolet_20%	0.8986	0.0078	0.8986	0.8945	0.0832
jm1_20%	0.6979	0.3021	0.6979	0.2503	0.7493
jvowels_20%	0.9639	0.0080	0.9639	0.9590	0.0612
kc1_20%	0.7441	0.2559	0.7441	0.2064	0.7492
krkopt_20%	0.6674	0.0370	0.6674	0.6328	0.5772
krvskp_20%	0.9310	0.0690	0.9310	0.8612	0.3367
la1s-wc_20%	0.1125	0.3550	0.1125	-0.0074	0.5947
la2s-wc_20%	0.1071	0.3571	0.1071	-0.0087	0.5140
letter_20%	0.9405	0.0046	0.9405	0.9381	0.0674
madelon_20%	0.5577	0.4423	0.5577	0.1154	0.9627
magic04_20%	0.8590	0.1410	0.8590	0.6932	0.5616
maternal_20%	0.7723	0.1518	0.7723	0.6534	0.4464
messidor_20%	0.6087	0.3913	0.6087	0.2129	0.9160
mfeat-fac_20%	0.9500	0.0100	0.9500	0.9441	0.0651
mfeat-fou_20%	0.8150	0.0370	0.8150	0.7936	0.1342
mfeat-kar_20%	0.9400	0.0120	0.9400	0.9332	0.0744
mfeat-mor_20%	0.7150	0.0570	0.7150	0.6826	0.2242
mfeat-pix_20%	0.9750	0.0050	0.9750	0.9721	0.0329
mfeat-zer_20%	0.8050	0.0390	0.8050	0.7829	0.1587
mice-prot_20%	0.9907	0.0023	0.9907	0.9894	0.0113
mobile_20%	0.9476	0.0019	0.9476	0.9466	0.0246
mushroom_20%	0.9975	0.0025	0.9975	0.9867	0.0761

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.8742	0.1258	0.8742	0.5895	0.6098
MUT_ci300400a_20%	0.7804	0.1285	0.8410	0.7174	0.6245
MUT_ci300400a.cdk.ECFP2_20%	0.6751	0.2622	0.7996	0.5420	0.7062
myocardial_20%	0.8118	0.0471	0.8118	0.4199	0.7225
naticusdroid_20%	0.9680	0.0320	0.9680	0.9359	0.1905
newspop_20%	0.6584	0.3416	0.6584	0.3137	0.8716
NHANES_age_prediction_20%	0.8716	0.1665	1.0000	0.8582	0.0000
nomao_20%	0.9408	0.0592	0.9408	0.8601	0.3457
nursery_20%	0.9776	0.0090	0.9776	0.9587	0.1663
obs_20%	0.8889	0.0556	0.8889	0.8408	0.2376
occupancy_20%	0.9820	0.0180	0.9820	0.9506	0.1781
Occupancy_Estimation_20%	0.9390	0.1346	0.8270	0.9498	0.0465
oh0-wc_20%	0.1100	0.1780	0.1100	-0.0519	0.5868
oh10-wc_20%	0.1048	0.1790	0.1048	0.0260	0.5052
optdigits_20%	0.9573	0.0085	0.9573	0.9525	0.0596
optdigitsZ_20%	0.9662	0.0338	0.9662	0.8192	0.4254
ozone1hr_20%	0.7984	0.2016	0.7984	0.1100	0.3509
ozone8hr_20%	0.7866	0.2134	0.7866	0.1338	0.5658
P-Glycoprotein_b_Inhibitor_20%	0.7377	0.1806	0.7534	0.5439	0.6592
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.8077	0.1727	0.8452	0.7539	0.6126
p53-mutants10%_20%	0.9363	0.0637	0.9363	-0.0061	0.0855
page-blocks_20%	0.8373	0.0651	0.8373	0.4854	0.4944
parkinson_20%	0.9750	0.0250	0.9750	0.9487	0.1507
pc1_20%	0.7207	0.2793	0.7207	0.0035	0.5059
pcmac_20%	0.4742	0.5258	0.4742	-0.0587	1.0000
pendigits_20%	0.9854	0.0029	0.9854	0.9838	0.0246
phishing_20%	0.9429	0.0571	0.9429	0.8792	0.2902
phoneme_20%	0.8333	0.1667	0.8333	0.6344	0.5814
phy_20%	0.6630	0.4698	0.6336	0.2229	0.9046
polish-1st_20%	0.9061	0.0939	0.9061	0.0624	0.5562
polish-2nd_20%	0.7915	0.2085	0.7915	0.0226	0.3731
polish-3rd_20%	0.7952	0.2048	0.7952	0.1272	0.4276
polish-4th_20%	0.7551	0.2449	0.7551	0.1231	0.4174
polish-5th_20%	0.8646	0.1354	0.8646	0.2995	0.6036
polya_20%	0.7654	0.2346	0.7654	0.5038	0.7323
popularity_20%	0.5261	0.2475	0.5504	0.1553	0.5884
postures_20%	0.8733	0.1271	0.8947	0.8351	0.0662
re0-wc_20%	0.0533	0.1456	0.0533	0.0278	0.4248
re1-wc_20%	0.0182	0.0785	0.0182	0.0045	0.4390
rejafada_20%	0.8090	0.1910	0.8090	0.2219	0.3307
relathe_20%	0.9930	0.0070	0.9930	0.9858	0.0469
rocket_20%	0.6851	0.3149	0.6851	0.3672	0.8249
satimage_20%	0.9067	0.0311	0.9067	0.8849	0.1497
satimageF_20%	0.9876	0.0124	0.9876	0.9359	0.1750
satimageT_20%	0.8678	0.1322	0.8678	0.4815	0.6062
secom_20%	0.8654	0.1346	0.8654	0.0900	0.6345
secondary_mushroom_20%	0.9783	0.0250	0.8366	0.9937	0.1595
segment_20%	0.9654	0.0099	0.9654	0.9595	0.0469
segmentO_20%	0.9134	0.0866	0.9134	0.7226	0.4858
seismic_20%	0.7171	0.2829	0.7171	0.0614	0.4636
semeion_20%	0.9623	0.0377	0.9623	0.8124	0.4244
sens-1-gram_20%	0.6474	0.3526	0.6474	-0.0460	0.6910
sens-2-gram_20%	0.7526	0.2474	0.7526	0.1815	0.7103
sens-3-gram_20%	0.7447	0.2553	0.7447	0.2384	0.6724
sens-4-gram_20%	0.6816	0.3184	0.6816	0.0920	0.6777
sensorless_20%	0.9974	0.0005	0.9974	0.9972	0.0057
shoppers_20%	0.8654	0.1346	0.8654	0.5689	0.6182
shuttle_20%	0.9755	0.0070	0.9755	0.9339	0.2292

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.8647	0.1353	0.8647	0.3927	0.5422
solar-flare_20%	0.7626	0.0791	0.7626	0.7010	0.2474
spambase_20%	0.9326	0.0674	0.9326	0.8581	0.3295
splice-EI_20%	0.9274	0.0726	0.9274	0.8204	0.4030
splice-IE_20%	0.8833	0.1167	0.8833	0.6951	0.5498
sport-articles_20%	0.8300	0.1700	0.8300	0.6374	0.6209
steel_industry_20%	0.8912	0.0800	0.8253	0.8697	0.2796
steel-b_20%	0.7179	0.2821	0.7179	0.2628	0.7878
steel-d_20%	0.8667	0.1333	0.8667	0.0885	0.4003
steel-k_20%	0.9026	0.0974	0.9026	0.7334	0.5038
steel-o_20%	0.7333	0.2667	0.7333	0.4169	0.7912
steel-p_20%	0.8359	0.1641	0.8359	0.3739	0.5614
steel-s_20%	0.8718	0.1282	0.8718	0.2779	0.4687
steel-z_20%	0.8821	0.1179	0.8821	0.5362	0.5751
swarm_aligned_20%	0.8477	0.1105	0.8118	0.8704	0.1536
swarm_flocking_20%	0.8223	0.1992	0.9078	1.0000	0.1816
swarm_grouped_20%	0.9315	0.1381	0.8445	0.8698	0.1230
texture_20%	0.9782	0.0040	0.9782	0.9759	0.0324
theorem_20%	0.9394	0.0606	0.9394	0.8767	0.3077
tis_20%	0.8908	0.1092	0.8908	0.7194	0.5259
titanic_20%	0.7864	0.2136	0.7864	0.4827	0.7069
tuandromd_20%	0.9686	0.0314	0.9686	0.9079	0.2737
wap-wc_20%	0.0064	0.0994	0.0064	0.0001	0.4236
waveform_20%	0.8340	0.1107	0.8340	0.7510	0.3767
web-phishing_20%	0.7630	0.1580	0.7630	0.6006	0.5260
weight-lift_20%	0.9773	0.1636	0.9878	0.8528	0.0420
wifi-loc_20%	0.9950	0.0025	0.9950	0.9933	0.0128
wilt_20%	0.8944	0.1056	0.8944	0.4317	0.5040
winequality-red_20%	0.4906	0.1698	0.4906	0.2873	0.7520
winequality-white_20%	0.4969	0.1437	0.4969	0.3149	0.7929
yeast_20%	0.5676	0.0865	0.5676	0.4549	0.4364
yeastEXC_20%	0.7365	0.2635	0.7365	0.0463	0.2418
yeastME1_20%	0.8311	0.1689	0.8311	0.1537	0.3162
yeastME2_20%	0.7838	0.2162	0.7838	0.0378	0.4209
zip_20%	0.4650	0.1070	0.4650	0.3694	0.7020

Table 252: Detailed results for SVM

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1751	0.0569	0.1751	0.0728	0.3836
abalone19_20%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_20%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_20%	0.9451	0.0549	0.9451	0.7279	0.1551
adult_20%	0.8210	0.1790	0.8210	0.4248	0.6519
AID_1431_20%	0.7037	0.1048	0.9061	-0.0209	0.2643
AID_1878_20%	0.7734	0.3043	0.7877	-0.0195	0.4264
AID_602330_20%	0.9203	0.0648	0.7593	-0.0744	0.2273
AID1608Morered_20%	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red_20%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_20%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_20%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_20%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_20%	0.9964	0.0036	0.9964	0.0000	0.0163
AID604AID644_AllRed_20%	0.9450	0.1479	0.9801	-0.1209	0.0319
AID687AID721red_20%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_20%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_20%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_20%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_20%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_20%	0.9235	0.0382	0.9235	0.8517	0.1983
anuran-genus_20%	0.9263	0.0184	0.9263	0.8742	0.1227
anuran-species_20%	0.9292	0.0142	0.9292	0.9003	0.0839
aps-failure_20%	0.9820	0.0180	0.9820	0.0000	0.0617
auction_20%	0.8725	0.1275	0.8725	0.0000	0.2639
avila_20%	0.5108	0.0815	0.5108	0.2406	0.3171
bank_20%	0.9002	0.0998	0.9002	0.2610	0.4488
banknote_20%	0.9781	0.0219	0.9781	0.9559	0.1291
barleyblumeria_20%	0.8825	0.1175	0.8825	0.7311	0.4027
basehock_20%	0.7286	0.2714	0.7286	0.4583	0.6741
biodeg_20%	0.7619	0.2381	0.7619	0.4385	0.5790
car_20%	0.7989	0.1006	0.7989	0.5512	0.2824
cardiotocography_20%	0.7700	0.0460	0.7700	0.7179	0.1822
cardiotocography-nsp_20%	0.8169	0.1221	0.8169	0.2771	0.2129
cargo2k_20%	0.9898	0.0068	0.9898	0.9848	0.0385
cas_N6512_cdk_ECFP2_20%	0.7352	0.4082	0.7889	0.5019	0.7640
census10%_20%	0.9428	0.0572	0.9428	0.0809	0.1499
cjs_20%	1.0000	0.0000	1.0000	1.0000	0.0000
clave_20%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_20%	0.4830	0.3447	0.4830	0.1544	0.5889
cnae-9_20%	0.7778	0.0494	0.7778	0.7493	0.2155
codon_usage_20%	0.9397	0.1611	0.9250	0.8721	0.2490
coil20_20%	0.9792	0.0021	0.9792	0.9781	0.0140
connect-4_20%	1.0000	0.0000	1.0000	1.0000	0.0000
cottonmeloidogyne_20%	0.7452	0.2548	0.7452	0.4906	0.7558
coupon_20%	0.6680	0.3320	0.6680	0.3081	0.8583
covtypeCD_20%	0.9021	0.0979	0.9021	0.4517	0.4252
covtypeT_20%	0.9366	0.0634	0.9366	0.2369	0.3759
crowdsourced_20%	0.8488	0.0504	0.8488	0.6393	0.1748
default_20%	0.7790	0.2210	0.7790	0.0000	0.3738
deposit_20%	0.8921	0.1079	0.8921	0.2430	0.5146
diabetic10%_20%	0.5619	0.2921	0.5619	0.0915	0.4699
dropout_20%	0.7336	0.1776	0.7336	0.5305	0.4328

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.3989	0.1717	0.3989	0.0000	0.2998
drug-02_20%	0.5106	0.1398	0.5106	-0.0067	0.3331
drug-03_20%	0.6915	0.0881	0.6915	0.0000	0.1931
drug-04_20%	0.5319	0.1337	0.5319	0.0000	0.2876
drug-05_20%	0.7340	0.0760	0.7340	0.0000	0.1777
drug-06_20%	0.4255	0.1641	0.4255	0.2516	0.3638
drug-07_20%	0.4309	0.1626	0.4309	0.0000	0.2460
drug-08_20%	0.5532	0.1277	0.5532	0.0000	0.2637
drug-09_20%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_20%	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11_20%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_20%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_20%	0.5798	0.1201	0.5798	0.0000	0.2556
drug-14_20%	0.5798	0.1201	0.5798	0.0351	0.2566
drug-15_20%	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16_20%	0.5160	0.1383	0.5160	-0.0065	0.3167
drug-17_20%	0.3723	0.1793	0.3723	0.1079	0.4290
drug-18_20%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_20%	0.7713	0.0654	0.7713	0.0000	0.1604
drybean_20%	0.9140	0.0246	0.9140	0.8960	0.1229
eeg_20%	0.3585	0.0802	0.3585	0.2781	0.5426
eeg-eye_20%	0.5507	0.4493	0.5507	0.0000	0.5178
euthyroid_20%	0.9019	0.0981	0.9019	0.0000	0.2206
fbis-wc_20%	0.2073	0.0933	0.2073	0.0000	0.3511
fonts10%_20%	0.4389	0.0965	0.4601	0.3274	0.3630
gas_20%	0.9741	0.0086	0.9741	0.9686	0.0589
gender_20%	0.5895	0.2737	0.5895	0.0000	0.3139
gene_20%	0.8644	0.0904	0.8644	0.7805	0.2988
german_20%	0.6500	0.3500	0.6500	0.0000	0.4745
gina_20%	0.8530	0.1470	0.8530	0.7060	0.5536
hapt_20%	0.9332	0.0111	0.9332	0.9209	0.0732
hiv1-proteasa_20%	0.8651	0.1349	0.8651	0.3815	0.5428
hiva_20%	0.9645	0.0355	0.9645	0.0000	0.1045
htru2_20%	0.9492	0.0508	0.9492	0.5931	0.1415
hypothyroid_20%	0.9204	0.0398	0.9204	0.2840	0.1736
hypothyroidT_20%	0.9310	0.0690	0.9310	0.1756	0.1727
isolet_20%	0.9191	0.0062	0.9191	0.9159	0.0731
jm1_20%	0.8072	0.1928	0.8072	0.0076	0.3447
jvowels_20%	0.9347	0.0145	0.9347	0.9260	0.1010
kc1_20%	0.8578	0.1422	0.8578	0.2066	0.4924
krkopt_20%	0.2595	0.0823	0.2595	0.1317	0.4353
krvskp_20%	0.9216	0.0784	0.9216	0.8426	0.3669
la1s-wc_20%	0.3125	0.2750	0.3125	0.0000	0.3675
la2s-wc_20%	0.3149	0.2740	0.3149	0.0000	0.3621
letter_20%	0.7610	0.0184	0.7610	0.7514	0.2316
madelon_20%	0.5000	0.5000	0.5000	0.0000	0.5283
magic04_20%	0.7638	0.2362	0.7638	0.4520	0.7324
maternal_20%	0.5743	0.2838	0.5743	0.3351	0.5475
messidor_20%	0.7043	0.2957	0.7043	0.4199	0.7664
mfeat-fac_20%	0.9450	0.0110	0.9450	0.9385	0.0612
mfeat-fou_20%	0.7850	0.0430	0.7850	0.7601	0.1627
mfeat-kar_20%	0.9250	0.0150	0.9250	0.9165	0.0948
mfeat-mor_20%	0.7250	0.0550	0.7250	0.6941	0.2070
mfeat-pix_20%	0.9550	0.0090	0.9550	0.9498	0.0591
mfeat-zer_20%	0.8550	0.0290	0.8550	0.8386	0.1320
mice-prot_20%	1.0000	0.0000	1.0000	1.0000	0.0000
mobile_20%	0.6154	0.0137	0.6154	0.6084	0.1635
mushroom_20%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.9030	0.0970	0.9030	0.5406	0.4304
MUT_ci300400a_20%	0.7227	0.3946	0.7392	0.3903	0.7981
MUT_ci300400a.cdk.ECFP2_20%	0.7157	0.3581	0.7192	0.6445	0.7564
myocardial_20%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_20%	0.9025	0.0975	0.9025	0.8049	0.4060
newspop_20%	0.5194	0.4806	0.5194	0.0058	0.9568
NHANES_age_prediction_20%	0.9150	0.1478	0.8269	0.9230	0.0791
nomao_20%	0.8659	0.1341	0.8659	0.6730	0.5705
nursery_20%	0.9151	0.0340	0.9151	0.8306	0.0603
obs_20%	0.6944	0.1528	0.6944	0.5274	0.3323
occupancy_20%	0.9742	0.0258	0.9742	0.9302	0.2242
Occupancy_Estimation_20%	0.8809	0.1260	0.8219	0.7988	0.2258
oh0-wc_20%	0.2000	0.1600	0.2000	0.0017	0.4264
oh10-wc_20%	0.1714	0.1657	0.1714	0.0228	0.3868
optdigits_20%	0.9573	0.0085	0.9573	0.9525	0.0592
optdigitsZ_20%	0.9875	0.0125	0.9875	0.9265	0.2458
ozone1hr_20%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_20%	0.9249	0.0751	0.9249	0.0000	0.1826
P-Glycoprotein_b_Inhibitor_20%	0.6583	0.1738	0.8040	0.6081	0.6837
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.8760	0.1454	0.7636	0.7816	0.5945
p53-mutants10%_20%	0.9873	0.0127	0.9873	-0.0048	0.3262
page-blocks_20%	0.9159	0.0336	0.9159	0.2641	0.1628
parkinson_20%	0.9667	0.0333	0.9667	0.9319	0.1832
pc1_20%	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac_20%	0.5567	0.4433	0.5567	-0.0343	0.8303
pendigits_20%	0.9481	0.0104	0.9481	0.9423	0.0802
phishing_20%	0.9224	0.0776	0.9224	0.8358	0.3619
phoneme_20%	0.7630	0.2370	0.7630	0.3318	0.7441
phy_20%	0.6992	0.3008	0.6992	0.3983	0.8219
polish-1st_20%	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd_20%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_20%	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th_20%	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th_20%	0.9306	0.0694	0.9306	0.0000	0.1724
polya_20%	0.7741	0.2259	0.7741	0.4772	0.7025
popularity_20%	0.6310	0.2460	0.6310	-0.0003	0.3070
postures_20%	0.8256	0.0698	0.8256	0.7820	0.2697
re0-wc_20%	0.4067	0.0913	0.4067	0.0000	0.2775
re1-wc_20%	0.2303	0.0616	0.2303	0.0000	0.3286
rejafada_20%	0.9648	0.0352	0.9648	0.0000	0.1039
relathe_20%	0.9930	0.0070	0.9930	0.9858	0.0469
rocket_20%	0.5922	0.4078	0.5922	0.0000	0.5033
satimage_20%	0.7963	0.0679	0.7963	0.7433	0.1936
satimageF_20%	0.9736	0.0264	0.9736	0.8496	0.1409
satimageT_20%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_20%	0.9359	0.0641	0.9359	0.1485	0.4505
secondary_mushroom_20%	0.9433	0.0543	0.7944	0.9776	0.1264
segment_20%	0.9177	0.0235	0.9177	0.9038	0.0998
segmentO_20%	0.9264	0.0736	0.9264	0.6304	0.1901
seismic_20%	0.9380	0.0620	0.9380	0.1046	0.1594
semeion_20%	0.9874	0.0126	0.9874	0.9264	0.0498
sens-1-gram_20%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_20%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-3-gram_20%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-4-gram_20%	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless_20%	0.6526	0.0632	0.6526	0.6188	0.1878
shoppers_20%	0.8775	0.1225	0.8775	0.3648	0.4858
shuttle_20%	0.9150	0.0243	0.9150	0.7190	0.0813

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.9337	0.0663	0.9337	0.0000	0.1669
solar-flare_20%	0.7338	0.0887	0.7338	0.6570	0.1907
spambase_20%	0.8609	0.1391	0.8609	0.6946	0.4431
splice-EI_20%	0.8927	0.1073	0.8927	0.7395	0.4982
splice-IE_20%	0.8076	0.1924	0.8076	0.3981	0.7038
sport-articles_20%	0.7300	0.2700	0.7300	0.3602	0.7234
steel_industry_20%	0.8168	0.2193	0.8326	0.6278	0.3427
steel-b_20%	0.7846	0.2154	0.7846	-0.0101	0.4919
steel-d_20%	0.9692	0.0308	0.9692	0.0000	0.0938
steel-k_20%	0.9385	0.0615	0.9385	0.7962	0.3006
steel-o_20%	0.7282	0.2718	0.7282	0.2986	0.6517
steel-p_20%	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s_20%	0.9590	0.0410	0.9590	0.0000	0.1168
steel-z_20%	0.9026	0.0974	0.9026	0.0000	0.2196
swarm_aligned_20%	0.8796	0.1279	0.8059	0.8953	0.0269
swarm_flocking_20%	0.8671	0.1911	0.9036	0.8024	0.0953
swarm_grouped_20%	0.8983	0.1365	0.8102	0.8417	0.0648
texture_20%	0.9836	0.0030	0.9836	0.9820	0.0207
theorem_20%	1.0000	0.0000	1.0000	1.0000	0.0000
tis_20%	0.8220	0.1780	0.8220	0.4365	0.6164
titanic_20%	0.8182	0.1818	0.8182	0.5545	0.6262
tuandromd_20%	0.9776	0.0224	0.9776	0.9315	0.2128
wap-wc_20%	0.2179	0.0782	0.2179	0.0000	0.3441
waveform_20%	0.8600	0.0933	0.8600	0.7901	0.3265
web-phishing_20%	0.7778	0.1481	0.7778	0.5781	0.3612
weight-lift_20%	0.6675	0.1330	0.6675	0.5734	0.4264
wifi-loc_20%	0.9800	0.0100	0.9800	0.9733	0.0472
wilt_20%	0.9503	0.0497	0.9503	0.0000	0.1349
winequality-red_20%	0.5660	0.1447	0.5660	0.2651	0.3252
winequality-white_20%	0.4969	0.1437	0.4969	0.1447	0.3375
yeast_20%	0.4932	0.1014	0.4932	0.3377	0.3526
yeastEXC_20%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1_20%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME2_20%	0.9527	0.0473	0.9527	0.0000	0.1300
zip_20%	0.5027	0.0995	0.5027	0.0890	0.3404

Table 253: Detailed results for Stacking

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1535	0.0584	0.1535	0.0677	0.4707
abalone19_20%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_20%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_20%	0.9451	0.0549	0.9451	0.7497	0.3432
adult_20%	0.8342	0.1658	0.8342	0.4820	0.6339
AID_1431_20%	0.8142	0.1984	0.7900	-0.1088	0.3338
AID_1878_20%	0.7315	0.2831	0.7370	-0.0438	0.3406
AID_602330_20%	0.9340	0.1477	0.8031	-0.1712	0.1253
AID1608Mored_20%	0.9320	0.0680	0.9320	0.0000	0.1699
AID1608red_20%	0.9417	0.0583	0.9417	0.0000	0.1518
AID362red_20%	0.9473	0.0994	0.9486	0.0048	0.1748
AID373AID439red_20%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_20%	0.9970	0.0030	0.9970	0.0000	0.0141
AID604_20%	0.9399	0.0204	0.9924	-0.0644	0.4496
AID604AID644_AllRed_20%	0.8936	0.0177	0.8540	-0.1623	0.1916
AID687AID721red_20%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_20%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_20%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_20%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_20%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_20%	0.9722	0.0139	0.9722	0.9466	0.0642
anuran-genus_20%	0.9638	0.0090	0.9638	0.9401	0.0687
anuran-species_20%	0.9556	0.0089	0.9556	0.9381	0.0816
aps-failure_20%	1.0000	0.1680	0.9484	0.5857	0.4538
auction_20%	0.8971	0.1029	0.8971	0.2935	0.2321
avila_20%	0.8970	0.0172	0.8970	0.8648	0.1934
bank_20%	0.8988	0.1012	0.8988	0.3354	0.5686
banknote_20%	0.9854	0.0146	0.9854	0.9705	0.0960
barleyblumeria_20%	0.8871	0.1129	0.8871	0.7423	0.3948
basehock_20%	0.8543	0.1457	0.8543	0.7086	0.5437
biodeg_20%	0.8000	0.2000	0.8000	0.5382	0.5395
car_20%	0.8908	0.0546	0.8908	0.7698	0.2961
cardiotocography_20%	0.8216	0.0357	0.8216	0.7851	0.2143
cardiotocography-nsp_20%	0.9061	0.0626	0.9061	0.7124	0.2347
cargo2k_20%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_20%	0.6591	0.2161	0.7405	0.5693	0.8133
census10%_20%	0.9402	0.0598	0.9402	0.0000	0.1548
cjs_20%	0.9571	0.0143	0.9571	0.9477	0.0803
clave_20%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_20%	0.5034	0.3311	0.5034	0.2065	0.7221
cnae-9_20%	0.8056	0.0432	0.8056	0.7804	0.2140
codon_usage_20%	0.8641	0.1180	0.7751	0.7985	0.1206
coil20_20%	0.8889	0.0111	0.8889	0.8830	0.0657
connect-4_20%	0.9956	0.0030	0.9956	0.8990	0.0074
cottonmeloidogyne_20%	0.7524	0.2476	0.7524	0.5046	0.7455
coupon_20%	0.6964	0.3036	0.6964	0.3656	0.8189
covtypeCD_20%	0.9245	0.0755	0.9245	0.6064	0.3490
covtypeT_20%	0.9351	0.0649	0.9351	0.1291	0.1927
crowdsourced_20%	0.9290	0.0237	0.9290	0.8493	0.1239
default_20%	0.8173	0.1827	0.8173	0.3518	0.6541
deposit_20%	0.8952	0.1048	0.8952	0.3182	0.5562
diabetic10%_20%	0.5678	0.2881	0.5678	0.1182	0.5033
dropout_20%	0.7472	0.1685	0.7472	0.5661	0.4609

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.3617	0.1824	0.3617	-0.0299	0.4658
drug-02_20%	0.4787	0.1489	0.4787	0.1052	0.5602
drug-03_20%	0.6968	0.0866	0.6968	0.0362	0.1931
drug-04_20%	0.5160	0.1383	0.5160	0.0883	0.4736
drug-05_20%	0.7340	0.0760	0.7340	0.0143	0.1876
drug-06_20%	0.3989	0.1717	0.3989	0.2318	0.5077
drug-07_20%	0.4415	0.1596	0.4415	0.0458	0.3476
drug-08_20%	0.5638	0.1246	0.5638	0.0967	0.3539
drug-09_20%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_20%	0.5319	0.1337	0.5319	0.1071	0.4767
drug-11_20%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_20%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_20%	0.5904	0.1170	0.5904	0.1700	0.3711
drug-14_20%	0.6064	0.1125	0.6064	0.2240	0.4108
drug-15_20%	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16_20%	0.5532	0.1277	0.5532	0.2344	0.4810
drug-17_20%	0.3564	0.1839	0.3564	0.1103	0.5320
drug-18_20%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_20%	0.7713	0.0654	0.7713	0.0000	0.1604
drybean_20%	0.9192	0.0231	0.9192	0.9021	0.1292
eeg_20%	0.4625	0.0672	0.4625	0.4022	0.5675
eeg-eye_20%	0.8431	0.1569	0.8431	0.6805	0.5697
euthyroid_20%	0.9051	0.0949	0.9051	0.0567	0.2161
fbis-wc_20%	0.1870	0.0956	0.1870	-0.0183	0.4420
fonts10%_20%	0.3436	0.1915	0.5258	0.3233	0.6934
gas_20%	0.9849	0.0050	0.9849	0.9817	0.0393
gender_20%	0.5958	0.2695	0.5958	0.0569	0.4472
gene_20%	0.8833	0.0778	0.8833	0.8129	0.3010
german_20%	0.6900	0.3100	0.6900	0.1711	0.6560
gina_20%	0.9078	0.0922	0.9078	0.8156	0.4071
hapt_20%	0.9360	0.0107	0.9360	0.9243	0.0746
hiv1-proteasa_20%	0.8718	0.1282	0.8718	0.4355	0.5494
hiva_20%	0.9645	0.0355	0.9645	0.0000	0.1045
htru2_20%	0.9749	0.0251	0.9749	0.8298	0.1317
hypothyroid_20%	0.9496	0.0252	0.9496	0.6825	0.2762
hypothyroidT_20%	0.9310	0.0690	0.9310	0.2176	0.3180
isolet_20%	0.8703	0.0100	0.8703	0.8652	0.1103
jm1_20%	0.8118	0.1882	0.8118	0.0664	0.4410
jvowels_20%	0.9528	0.0105	0.9528	0.9465	0.0754
kc1_20%	0.8389	0.1611	0.8389	0.2618	0.7134
krkopt_20%	0.6414	0.0398	0.6414	0.5962	0.3498
krvskp_20%	0.9530	0.0470	0.9530	0.9052	0.2547
la1s-wc_20%	0.3156	0.2737	0.3156	0.0177	0.4913
la2s-wc_20%	0.2987	0.2805	0.2987	-0.0097	0.4835
letter_20%	0.8635	0.0105	0.8635	0.8580	0.1504
madelon_20%	0.4615	0.5385	0.4615	-0.0769	1.0000
magic04_20%	0.8638	0.1362	0.8638	0.6857	0.4970
maternal_20%	0.7525	0.1650	0.7525	0.6201	0.4024
messidor_20%	0.6609	0.3391	0.6609	0.3210	0.8595
mfeat-fac_20%	0.9150	0.0170	0.9150	0.9049	0.1006
mfeat-fou_20%	0.7850	0.0430	0.7850	0.7601	0.1680
mfeat-kar_20%	0.9200	0.0160	0.9200	0.9109	0.0966
mfeat-mor_20%	0.7400	0.0520	0.7400	0.7103	0.2261
mfeat-pix_20%	0.9400	0.0120	0.9400	0.9331	0.0750
mfeat-zer_20%	0.8100	0.0380	0.8100	0.7884	0.1877
mice-prot_20%	0.9444	0.0139	0.9444	0.9364	0.0640
mobile_20%	0.5350	0.0166	0.5350	0.5265	0.2005
mushroom_20%	1.0000	0.0000	1.0000	1.0000	0.0000

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.9288	0.0712	0.9288	0.6708	0.2606
MUT_ci300400a_20%	0.8358	0.2083	0.8397	0.7224	0.5192
MUT_ci300400a.cdk.ECFP2_20%	0.6439	0.1526	0.7250	0.5295	0.7665
myocardial_20%	0.8529	0.0368	0.8529	0.1486	0.1184
naticusdroid_20%	0.9587	0.0413	0.9587	0.9175	0.2287
newspop_20%	0.6536	0.3464	0.6536	0.3002	0.8751
NHANES_age_prediction_20%	0.9470	0.0620	0.8544	0.8501	0.1247
nomao_20%	0.9321	0.0679	0.9321	0.8330	0.3676
nursery_20%	0.9174	0.0330	0.9174	0.8361	0.0587
obs_20%	0.9074	0.0463	0.9074	0.8637	0.1861
occupancy_20%	0.9888	0.0112	0.9888	0.9690	0.1275
Occupancy_Estimation_20%	0.9933	0.0664	0.9335	0.9715	0.1505
oh0-wc_20%	0.1400	0.1720	0.1400	-0.0461	0.5656
oh10-wc_20%	0.1810	0.1638	0.1810	0.0305	0.5162
optdigits_20%	0.9680	0.0064	0.9680	0.9644	0.0458
optdigitsZ_20%	0.9982	0.0018	0.9982	0.9889	0.0098
ozone1hr_20%	0.9644	0.0356	0.9644	0.0000	0.1048
ozone8hr_20%	0.9249	0.0751	0.9249	0.0000	0.1826
P-Glycoprotein_b_Inhibitor_20%	0.7854	0.3543	0.6825	0.6511	0.5784
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.8085	0.2823	0.8134	0.7273	0.4378
p53-mutants10%_20%	0.9968	0.0032	0.9968	0.0000	0.0148
page-blocks_20%	0.9598	0.0161	0.9598	0.7461	0.1683
parkinson_20%	0.9417	0.0583	0.9417	0.8797	0.3052
pc1_20%	0.9279	0.0721	0.9279	0.0000	0.1773
pcmac_20%	0.5619	0.4381	0.5619	0.0297	0.9388
pendigits_20%	0.9773	0.0046	0.9773	0.9747	0.0383
phishing_20%	0.9429	0.0571	0.9429	0.8788	0.2812
phoneme_20%	0.8648	0.1352	0.8648	0.6570	0.5638
phy_20%	0.5801	0.2905	0.6921	0.4154	1.0000
polish-1st_20%	0.9616	0.0384	0.9616	0.0000	0.1111
polish-2nd_20%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_20%	0.9524	0.0476	0.9524	0.0000	0.1307
polish-4th_20%	0.9469	0.0531	0.9469	0.0000	0.1416
polish-5th_20%	0.9306	0.0694	0.9306	0.0775	0.3665
polya_20%	0.7773	0.2227	0.7773	0.4952	0.7133
popularity_20%	0.5720	0.2125	0.5133	0.1182	0.5277
postures_20%	0.9677	0.0488	0.8565	0.8981	0.2175
re0-wc_20%	0.3933	0.0933	0.3933	0.0035	0.3386
re1-wc_20%	0.2303	0.0616	0.2303	0.0000	0.3286
rejafada_20%	0.9648	0.0352	0.9648	0.0000	0.1039
relathe_20%	0.9930	0.0070	0.9930	0.9858	0.0469
rocket_20%	0.6313	0.3686	0.6313	0.2368	0.9026
satimage_20%	0.9005	0.0332	0.9005	0.8766	0.1449
satimageF_20%	0.9907	0.0093	0.9907	0.9507	0.0862
satimageT_20%	0.9316	0.0684	0.9316	0.4721	0.2457
secom_20%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_20%	0.8418	0.1516	0.8877	0.8819	0.1507
segment_20%	0.9524	0.0136	0.9524	0.9443	0.0640
segmentO_20%	0.9870	0.0130	0.9870	0.9489	0.1700
seismic_20%	0.9341	0.0659	0.9341	0.0000	0.1661
semeion_20%	0.9937	0.0063	0.9937	0.9643	0.0284
sens-1-gram_20%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_20%	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-3-gram_20%	0.8711	0.1289	0.8711	0.0342	0.2664
sens-4-gram_20%	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless_20%	0.9952	0.0009	0.9952	0.9947	0.0107
shoppers_20%	0.8816	0.1184	0.8816	0.4083	0.5061
shuttle_20%	0.9869	0.0037	0.9869	0.9621	0.0240

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.9363	0.0637	0.9363	0.0722	0.1623
solar-flare_20%	0.7410	0.0863	0.7410	0.6668	0.2220
spambase_20%	0.9109	0.0891	0.9109	0.8109	0.3901
splice-EI_20%	0.9054	0.0946	0.9054	0.7684	0.4672
splice-IE_20%	0.8801	0.1199	0.8801	0.6712	0.5621
sport-articles_20%	0.8400	0.1600	0.8400	0.6529	0.5962
steel_industry_20%	0.9121	0.2314	0.7990	0.7714	0.2407
steel-b_20%	0.8103	0.1897	0.8103	0.3534	0.7257
steel-d_20%	0.9692	0.0308	0.9692	0.0000	0.0938
steel-k_20%	0.9795	0.0205	0.9795	0.9359	0.1450
steel-o_20%	0.7692	0.2308	0.7692	0.4445	0.6885
steel-p_20%	0.8923	0.1077	0.8923	0.0390	0.6943
steel-s_20%	0.9897	0.0103	0.9897	0.8519	0.0402
steel-z_20%	0.9692	0.0308	0.9692	0.8251	0.3478
swarm_aligned_20%	0.8075	0.2083	0.8471	0.8062	0.1265
swarm_flocking_20%	0.9400	0.0000	0.8990	0.8467	0.0644
swarm_grouped_20%	0.9597	0.0393	0.9645	0.8459	0.1076
texture_20%	0.9655	0.0063	0.9655	0.9619	0.0488
theorem_20%	0.9935	0.0065	0.9935	0.9865	0.0418
tis_20%	0.8833	0.1167	0.8833	0.6708	0.5231
titanic_20%	0.7864	0.2136	0.7864	0.4827	0.7069
tuandromd_20%	0.9753	0.0247	0.9753	0.9250	0.2294
wap-wc_20%	0.2051	0.0795	0.2051	-0.0022	0.4324
waveform_20%	0.8380	0.1080	0.8380	0.7570	0.3666
web-phishing_20%	0.7852	0.1432	0.7852	0.6003	0.4639
weight-lift_20%	0.8310	0.0607	0.9321	0.9766	0.0158
wifi-loc_20%	0.9950	0.0025	0.9950	0.9933	0.0128
wilt_20%	0.9503	0.0497	0.9503	0.0000	0.1349
winequality-red_20%	0.6164	0.1279	0.6164	0.3730	0.3767
winequality-white_20%	0.6012	0.1139	0.6012	0.3803	0.4429
yeast_20%	0.6014	0.0797	0.6014	0.4724	0.3077
yeastEXC_20%	0.9730	0.0270	0.9730	0.0000	0.0848
yeastME1_20%	0.9797	0.0203	0.9797	0.6563	0.5107
yeastME2_20%	0.9527	0.0473	0.9527	0.0000	0.1300
zip_20%	0.5694	0.0861	0.5694	0.3262	0.5447

Table 254: Detailed results for BoostForest

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1583	0.0580	0.1583	0.0851	0.6751
abalone19_20%	0.9187	0.0813	0.9187	-0.0133	0.1517
accelerometer_20%	0.9641	0.0359	0.9641	0.1427	0.5504
ads_20%	0.8567	0.1433	0.8567	0.5230	0.6310
adult_20%	0.7523	0.2477	0.7523	0.3601	0.7778
AID_1431_20%	0.7035	0.1403	0.8680	-0.1322	0.6694
AID_1878_20%	0.8112	0.1942	0.7008	0.0730	0.8571
AID_602330_20%	0.8762	0.0803	0.9618	-0.1136	0.6123
AID1608Morered_20%	0.8058	0.1942	0.8058	0.0779	0.5663
AID1608red_20%	0.7379	0.2621	0.7379	-0.0996	0.4462
AID362red_20%	0.9906	0.1929	0.8497	-0.1150	0.0841
AID373AID439red_20%	0.9080	0.0920	0.9080	-0.0003	0.0038
AID373red_20%	0.9122	0.0878	0.9122	-0.0020	0.0221
AID456red_20%	0.9499	0.0501	0.9499	-0.0057	0.0983
AID604_20%	0.9875	0.1056	0.9774	0.7550	0.2329
AID604AID644_AllRed_20%	0.7902	0.0363	0.8131	-0.0118	0.0718
AID687AID721red_20%	0.9035	0.0965	0.9035	-0.0012	0.0127
AID687red_20%	0.9120	0.0880	0.9120	0.0010	0.0666
AID688red_20%	0.9191	0.0809	0.9191	0.0104	0.2005
AID746AID1284red_20%	0.9105	0.0895	0.9105	-0.0020	0.0218
AID746red_20%	0.8995	0.1005	0.8995	0.0051	0.1168
anuran-f-b_20%	0.9638	0.0362	0.9638	0.3060	0.3746
anuran-family_20%	0.9791	0.0104	0.9791	0.9601	0.0708
anuran-genus_20%	0.9777	0.0056	0.9777	0.9635	0.0879
anuran-species_20%	0.9778	0.0044	0.9778	0.9690	0.0394
aps-failure_20%	0.9547	0.1404	0.8008	0.6630	0.3501
auction_20%	0.8284	0.1716	0.8284	0.3643	0.6899
avila_20%	0.9147	0.0142	0.9147	0.8888	0.3293
bank_20%	0.8558	0.1442	0.8558	0.3315	0.6988
banknote_20%	0.9051	0.0949	0.9051	0.8113	0.3637
barleyblumeria_20%	0.8341	0.1659	0.8341	0.6295	0.5986
basehock_20%	0.8392	0.1608	0.8392	0.6785	0.5767
biodeg_20%	0.8190	0.1810	0.8190	0.6107	0.6368
car_20%	0.8333	0.0833	0.8333	0.6764	0.4881
cardiotocography_20%	0.7934	0.0413	0.7934	0.7532	0.2681
cardiotocography-nsp_20%	0.8545	0.0970	0.8545	0.6034	0.4942
cargo2k_20%	0.9924	0.0051	0.9924	0.9886	0.0303
cas_N6512_cdk_ECFP2_20%	0.6832	0.1974	0.5998	0.4518	0.7199
census10%_20%	0.8673	0.1327	0.8673	0.1669	0.6015
cjs_20%	0.8821	0.0393	0.8821	0.8569	0.2114
clave_20%	0.9037	0.0963	0.9037	0.6867	0.5470
cmc_20%	0.4422	0.3719	0.4422	0.1341	0.7919
cnae-9_20%	0.7407	0.0576	0.7407	0.7059	0.2621
codon_usage_20%	0.7684	0.2117	0.8892	0.7248	0.2020
coil20_20%	0.8819	0.0118	0.8819	0.8757	0.0796
connect-4_20%	0.9790	0.0140	0.9790	0.6010	0.5098
cottonmeloidogyne_20%	0.6923	0.3077	0.6923	0.3850	0.8285
coupon_20%	0.6609	0.3391	0.6609	0.3029	0.8717
covtypeCD_20%	0.9041	0.0959	0.9041	0.6562	0.5615
covtypeT_20%	0.8857	0.1143	0.8857	0.4173	0.5898
crowdsourced_20%	0.9327	0.0224	0.9327	0.8593	0.1682
default_20%	0.7720	0.2280	0.7720	0.3032	0.7886
deposit_20%	0.8576	0.1424	0.8576	0.3450	0.6998
diabetic10%_20%	0.5334	0.3111	0.5334	0.1004	0.6450
dropout_20%	0.6975	0.2017	0.6975	0.4964	0.5616

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.2926	0.2021	0.2926	-0.0271	0.8516
drug-02_20%	0.4362	0.1611	0.4362	0.0883	0.7252
drug-03_20%	0.6543	0.0988	0.6543	0.0752	0.4518
drug-04_20%	0.4681	0.1520	0.4681	0.1257	0.7994
drug-05_20%	0.6968	0.0866	0.6968	0.0091	0.5818
drug-06_20%	0.3245	0.1930	0.3245	0.1694	0.7341
drug-07_20%	0.3883	0.1748	0.3883	0.0199	0.5211
drug-08_20%	0.5160	0.1383	0.5160	0.1653	0.6860
drug-09_20%	0.8617	0.0395	0.8617	0.0547	0.3474
drug-10_20%	0.5426	0.1307	0.5426	0.1959	0.6680
drug-11_20%	0.8191	0.0517	0.8191	0.0791	0.5050
drug-12_20%	0.7713	0.0654	0.7713	-0.0042	0.4356
drug-13_20%	0.5745	0.1216	0.5745	0.2233	0.6221
drug-14_20%	0.5426	0.1307	0.5426	0.2240	0.7941
drug-15_20%	0.7394	0.0745	0.7394	0.1319	0.6060
drug-16_20%	0.5479	0.1292	0.5479	0.2836	0.5743
drug-17_20%	0.3191	0.1945	0.3191	0.1039	0.7882
drug-18_20%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_20%	0.7340	0.0760	0.7340	0.0688	0.4824
drybean_20%	0.9045	0.0273	0.9045	0.8844	0.1513
eeg_20%	0.5446	0.0569	0.5446	0.4938	0.5221
eeg-eye_20%	0.8405	0.1595	0.8405	0.6766	0.5828
euthyroid_20%	0.9019	0.0981	0.9019	0.5742	0.5863
fbis-wc_20%	0.1016	0.1057	0.1016	0.0194	0.3975
fonts10%_20%	0.3415	0.0905	0.5018	0.2982	0.3977
gas_20%	0.9813	0.0062	0.9813	0.9773	0.0485
gender_20%	0.5621	0.2919	0.5621	0.1304	0.7408
gene_20%	0.8328	0.1115	0.8328	0.7280	0.3972
german_20%	0.6800	0.3200	0.6800	0.2575	0.8624
gina_20%	0.8761	0.1239	0.8761	0.7526	0.4814
hapt_20%	0.9588	0.0069	0.9588	0.9513	0.0506
hiv1-proteasa_20%	0.8398	0.1602	0.8398	0.4026	0.7061
hiva_20%	0.9031	0.0969	0.9031	0.0437	0.5224
htru2_20%	0.9480	0.0520	0.9480	0.7049	0.4992
hypothyroid_20%	0.9390	0.0305	0.9390	0.6922	0.5606
hypothyroidT_20%	0.9257	0.0743	0.9257	0.5718	0.5863
isolet_20%	0.9166	0.0064	0.9166	0.9132	0.0745
jm1_20%	0.7521	0.2479	0.7521	0.1611	0.8229
jvowels_20%	0.9598	0.0089	0.9598	0.9545	0.0710
kc1_20%	0.7820	0.2180	0.7820	0.1738	0.7853
krkopt_20%	0.6841	0.0351	0.6841	0.6486	0.5834
krvskp_20%	0.8182	0.1818	0.8182	0.6333	0.6305
la1s-wc_20%	0.2375	0.3050	0.2375	-0.0026	0.5253
la2s-wc_20%	0.3019	0.2792	0.3019	-0.0125	0.4969
letter_20%	0.8870	0.0087	0.8870	0.8824	0.1360
madelon_20%	0.5462	0.4538	0.5462	0.0923	0.9707
magic04_20%	0.8254	0.1746	0.8254	0.6105	0.6323
maternal_20%	0.7624	0.1584	0.7624	0.6381	0.4819
messidor_20%	0.6000	0.4000	0.6000	0.1899	0.9278
mfeat-fac_20%	0.9450	0.0110	0.9450	0.9385	0.0694
mfeat-fou_20%	0.7850	0.0430	0.7850	0.7601	0.1672
mfeat-kar_20%	0.9200	0.0160	0.9200	0.9109	0.1021
mfeat-mor_20%	0.6550	0.0690	0.6550	0.6157	0.3292
mfeat-pix_20%	0.9550	0.0090	0.9550	0.9498	0.0569
mfeat-zer_20%	0.8500	0.0300	0.8500	0.8330	0.1154
mice-prot_20%	0.9722	0.0069	0.9722	0.9682	0.0335
mobile_20%	0.9021	0.0035	0.9021	0.9003	0.0437
mushroom_20%	0.8485	0.1515	0.8485	0.4638	0.5821

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.8424	0.1576	0.8424	0.4730	0.6755
MUT_ci300400a_20%	0.7684	0.1388	0.8526	0.6982	0.4978
MUT_ci300400a.cdk.ECFP2_20%	0.6807	0.2071	0.7469	0.5484	0.7310
myocardial_20%	0.8824	0.0294	0.8824	0.3867	0.0971
naticusdroid_20%	0.8558	0.1442	0.8558	0.7115	0.5147
newspop_20%	0.6193	0.3807	0.6193	0.2340	0.9118
NHANES_age_prediction_20%	1.0000	0.1894	0.9349	0.8260	0.0950
nomao_20%	0.8836	0.1164	0.8836	0.7251	0.5234
nursery_20%	0.8719	0.0512	0.8719	0.7835	0.3816
obs_20%	0.8704	0.0648	0.8704	0.8107	0.2601
occupancy_20%	0.8030	0.1970	0.8030	0.5158	0.6760
Occupancy_Estimation_20%	0.7996	0.1490	0.8125	0.8835	0.2118
oh0-wc_20%	0.2000	0.1600	0.2000	0.0114	0.4351
oh10-wc_20%	0.1524	0.1695	0.1524	0.0030	0.4597
optdigits_20%	0.9626	0.0075	0.9626	0.9585	0.0550
optdigitsZ_20%	0.9626	0.0374	0.9626	0.7903	0.4406
ozone1hr_20%	0.9368	0.0632	0.9368	0.0783	0.6172
ozone8hr_20%	0.8775	0.1225	0.8775	0.0490	0.7017
P-Glycoprotein_b_Inhibitor_20%	0.8317	0.1766	0.6797	0.5491	0.6030
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.8108	0.1876	0.7394	0.6828	0.6546
p53-mutants10%_20%	0.9650	0.0350	0.9650	-0.0058	0.1400
page-blocks_20%	0.9342	0.0263	0.9342	0.6739	0.5803
parkinson_20%	0.9583	0.0417	0.9583	0.9140	0.2399
pc1_20%	0.8018	0.1982	0.8018	-0.1010	0.6007
pcmac_20%	0.5103	0.4897	0.5103	-0.0229	0.9961
pendigits_20%	0.9864	0.0027	0.9864	0.9848	0.0256
phishing_20%	0.7714	0.2286	0.7714	0.5375	0.7002
phoneme_20%	0.7981	0.2019	0.7981	0.5264	0.6996
phy_20%	0.5887	0.5010	0.5389	0.2110	0.8390
polish-1st_20%	0.9403	0.0597	0.9403	0.0163	0.6397
polish-2nd_20%	0.9322	0.0678	0.9322	0.0449	0.6325
polish-3rd_20%	0.9333	0.0667	0.9333	0.0479	0.6479
polish-4th_20%	0.9255	0.0745	0.9255	0.2235	0.6464
polish-5th_20%	0.9205	0.0795	0.9205	0.4170	0.6301
polya_20%	0.7514	0.2486	0.7514	0.4433	0.7639
popularity_20%	0.4287	0.2817	0.5338	-0.0548	0.7004
postures_20%	0.9583	0.0266	0.8968	0.9925	0.1930
re0-wc_20%	0.1400	0.1323	0.1400	0.0295	0.3822
re1-wc_20%	0.0970	0.0722	0.0970	0.0180	0.3812
rejafada_20%	0.9497	0.0503	0.9497	0.5226	0.5503
relathe_20%	0.8380	0.1620	0.8380	0.6725	0.5863
rocket_20%	0.5965	0.4035	0.5965	0.1674	0.9322
satimage_20%	0.9036	0.0321	0.9036	0.8807	0.1455
satimageF_20%	0.9767	0.0233	0.9767	0.8805	0.2798
satimageT_20%	0.9176	0.0824	0.9176	0.5237	0.5884
secom_20%	0.8718	0.1282	0.8718	0.0993	0.6436
secondary_mushroom_20%	0.8426	0.1277	0.9824	1.0000	0.1518
segment_20%	0.9048	0.0272	0.9048	0.8886	0.1402
segmentO_20%	0.8398	0.1602	0.8398	0.5108	0.6249
seismic_20%	0.8411	0.1589	0.8411	0.1504	0.5929
semeion_20%	0.9308	0.0692	0.9308	0.6644	0.5476
sens-1-gram_20%	0.8132	0.1868	0.8132	0.0632	0.7808
sens-2-gram_20%	0.8263	0.1737	0.8263	0.1376	0.7636
sens-3-gram_20%	0.8553	0.1447	0.8553	0.1204	0.6805
sens-4-gram_20%	0.8342	0.1658	0.8342	0.0590	0.7556
sensorless_20%	0.9950	0.0009	0.9950	0.9945	0.0105
shoppers_20%	0.8524	0.1476	0.8524	0.4264	0.6923
shuttle_20%	0.8922	0.0308	0.8922	0.7374	0.5872

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.8806	0.1194	0.8806	0.3418	0.6027
solar-flare_20%	0.7194	0.0935	0.7194	0.6421	0.3368
spambase_20%	0.8609	0.1391	0.8609	0.7017	0.5190
splice-EI_20%	0.8644	0.1356	0.8644	0.6743	0.5622
splice-IE_20%	0.8580	0.1420	0.8580	0.6260	0.6113
sport-articles_20%	0.8200	0.1800	0.8200	0.6051	0.6337
steel_industry_20%	0.8689	0.1490	0.7348	0.8176	0.3550
steel-b_20%	0.7333	0.2667	0.7333	0.2379	0.8107
steel-d_20%	0.9179	0.0821	0.9179	0.0731	0.5178
steel-k_20%	0.9179	0.0821	0.9179	0.7530	0.4739
steel-o_20%	0.7385	0.2615	0.7385	0.4142	0.7876
steel-p_20%	0.8410	0.1590	0.8410	0.1963	0.6524
steel-s_20%	0.9487	0.0513	0.9487	0.4741	0.5864
steel-z_20%	0.9231	0.0769	0.9231	0.6389	0.5627
swarm_aligned_20%	0.9296	0.0927	0.8769	0.9565	0.0454
swarm_flocking_20%	0.9510	0.0202	0.9969	0.8019	0.1813
swarm_grouped_20%	0.9280	0.1295	0.9614	0.9216	0.1642
texture_20%	0.9873	0.0023	0.9873	0.9860	0.0197
theorem_20%	0.8625	0.1375	0.8625	0.7176	0.5377
tis_20%	0.8833	0.1167	0.8833	0.6614	0.4984
titanic_20%	0.7864	0.2136	0.7864	0.4827	0.7069
tuandromd_20%	0.9238	0.0762	0.9238	0.7419	0.3731
wap-wc_20%	0.1090	0.0891	0.1090	-0.0145	0.4359
waveform_20%	0.8240	0.1173	0.8240	0.7360	0.3949
web-phishing_20%	0.7407	0.1728	0.7407	0.5506	0.5500
weight-lift_20%	0.9133	0.1333	0.8122	0.9617	0.0686
wifi-loc_20%	0.9600	0.0200	0.9600	0.9467	0.0902
wilt_20%	0.9420	0.0580	0.9420	0.5191	0.5833
winequality-red_20%	0.5660	0.1447	0.5660	0.3457	0.6429
winequality-white_20%	0.5685	0.1233	0.5685	0.3617	0.7902
yeast_20%	0.5743	0.0851	0.5743	0.4533	0.4984
yeastEXC_20%	0.8716	0.1284	0.8716	0.0538	0.3700
yeastME1_20%	0.9054	0.0946	0.9054	0.0880	0.4418
yeastME2_20%	0.8514	0.1486	0.8514	0.0910	0.5074
zip_20%	0.6028	0.0794	0.6028	0.4195	0.6010

Table 255: Detailed results for ExtraTree

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1511	0.0585	0.1511	0.0621	0.4500
abalone19_20%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_20%	0.9819	0.0181	0.9819	-0.0006	0.1621
ads_20%	0.9024	0.0976	0.9024	0.4293	0.2265
adult_20%	0.8468	0.1532	0.8468	0.5302	0.6088
AID_1431_20%	0.7330	0.1890	0.7784	-0.0712	0.3268
AID_1878_20%	0.5999	0.3628	0.7370	-0.0926	0.9349
AID_602330_20%	0.7905	0.1207	0.9629	-0.0826	0.2062
AID1608Morered_20%	0.9029	0.0971	0.9029	-0.0425	0.6928
AID1608red_20%	0.9320	0.0680	0.9320	-0.0169	0.5534
AID362red_20%	0.9860	0.0140	0.9860	0.0000	0.0504
AID373AID439red_20%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_20%	0.9940	0.0060	0.9940	-0.0030	0.5141
AID604_20%	0.9959	0.0041	0.9959	-0.0009	0.3962
AID604AID644_AllRed_20%	0.8133	0.1494	0.9462	-0.2035	0.1778
AID687AID721red_20%	0.9988	0.0012	0.9988	-0.0006	0.5035
AID687red_20%	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red_20%	0.9904	0.0096	0.9904	-0.0007	0.2166
AID746AID1284red_20%	0.9988	0.0012	0.9988	-0.0003	0.4066
AID746red_20%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_20%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_20%	0.9388	0.0306	0.9388	0.8810	0.1019
anuran-genus_20%	0.8915	0.0271	0.8915	0.8126	0.0994
anuran-species_20%	0.9042	0.0192	0.9042	0.8638	0.0801
aps-failure_20%	0.9821	0.0179	0.9821	0.0278	0.1119
auction_20%	0.9118	0.0882	0.9118	0.5898	0.5672
avila_20%	0.5726	0.0712	0.5726	0.3418	0.2244
bank_20%	0.9056	0.0944	0.9056	0.4008	0.5497
banknote_20%	0.9562	0.0438	0.9562	0.9113	0.2432
barleyblumeria_20%	0.6382	0.3618	0.6382	0.0070	0.5586
basehock_20%	0.5176	0.4824	0.5176	0.0398	0.5273
biodeg_20%	0.6190	0.3810	0.6190	0.0000	0.4912
car_20%	0.8908	0.0546	0.8908	0.7800	0.4079
cardiotocography_20%	0.7371	0.0526	0.7371	0.6758	0.1836
cardiotocography-nsp_20%	0.8545	0.0970	0.8545	0.4924	0.2373
cargo2k_20%	0.9848	0.0102	0.9848	0.9771	0.0513
cas_N6512_cdk_ECFP2_20%	0.4147	0.5940	0.4114	-0.0459	0.6827
census10%_20%	0.9435	0.0565	0.9435	0.1480	0.2964
cjs_20%	0.9893	0.0036	0.9893	0.9869	0.0184
clave_20%	0.9639	0.0361	0.9639	0.8697	0.2965
cmc_20%	0.4966	0.3356	0.4966	0.2020	0.7435
cnae-9_20%	0.2870	0.1584	0.2870	0.1998	0.3479
codon_usage_20%	0.4881	0.1702	0.4229	0.3517	0.2602
coil20_20%	0.4653	0.0535	0.4653	0.4354	0.2376
connect-4_20%	0.9821	0.0119	0.9821	0.3521	0.0704
cottonmeloidogyne_20%	0.5000	0.5000	0.5000	0.0094	0.5286
coupon_20%	0.6798	0.3202	0.6798	0.3247	0.8298
covtypeCD_20%	0.9587	0.0413	0.9587	0.8072	0.2376
covtypeT_20%	0.9574	0.0426	0.9574	0.5853	0.3288
crowdsourced_20%	0.8498	0.0501	0.8498	0.6492	0.1901
default_20%	0.8150	0.1850	0.8150	0.3457	0.6643
deposit_20%	0.8974	0.1026	0.8974	0.3384	0.5487
diabetic10%_20%	0.5393	0.3071	0.5393	0.0000	0.3426
dropout_20%	0.7427	0.1716	0.7427	0.5358	0.3157

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.3936	0.1733	0.3936	0.0046	0.3770
drug-02_20%	0.5106	0.1398	0.5106	0.0150	0.4013
drug-03_20%	0.6862	0.0897	0.6862	-0.0053	0.1929
drug-04_20%	0.5319	0.1337	0.5319	0.0146	0.3632
drug-05_20%	0.7394	0.0745	0.7394	0.0314	0.1760
drug-06_20%	0.4043	0.1702	0.4043	0.2320	0.4480
drug-07_20%	0.4255	0.1641	0.4255	-0.0048	0.2875
drug-08_20%	0.5479	0.1292	0.5479	-0.0020	0.3095
drug-09_20%	0.8670	0.0380	0.8670	0.0000	0.1071
drug-10_20%	0.5426	0.1307	0.5426	0.0000	0.2726
drug-11_20%	0.8511	0.0426	0.8511	0.0000	0.1240
drug-12_20%	0.7926	0.0593	0.7926	0.0000	0.1541
drug-13_20%	0.5957	0.1155	0.5957	0.1655	0.3936
drug-14_20%	0.6011	0.1140	0.6011	0.1367	0.3521
drug-15_20%	0.7606	0.0684	0.7606	0.0000	0.1811
drug-16_20%	0.5904	0.1170	0.5904	0.3216	0.4269
drug-17_20%	0.4043	0.1702	0.4043	0.1623	0.4583
drug-18_20%	0.9947	0.0021	0.9947	0.0000	0.0076
drug-19_20%	0.7606	0.0684	0.7606	-0.0151	0.2429
drybean_20%	0.9148	0.0244	0.9148	0.8968	0.1305
eeg_20%	0.1430	0.1071	0.1430	0.0001	0.3680
eeg-eye_20%	0.6295	0.3705	0.6295	0.1950	0.6363
euthyroid_20%	0.9146	0.0854	0.9146	0.2787	0.4123
fbis-wc_20%	0.2073	0.0933	0.2073	0.0000	0.3511
fonts10%_20%	0.3167	0.1609	0.2385	0.3189	0.2869
gas_20%	0.4472	0.1843	0.4472	0.3015	0.3341
gender_20%	0.5853	0.2765	0.5853	-0.0049	0.4083
gene_20%	0.8864	0.0757	0.8864	0.8175	0.3015
german_20%	0.6700	0.3300	0.6700	0.1582	0.8151
gina_20%	0.5620	0.4380	0.5620	0.1082	0.5893
hapt_20%	0.5188	0.0802	0.5188	0.4207	0.1579
hiv1-proteasa_20%	0.8550	0.1450	0.8550	0.3674	0.6286
hiva_20%	0.9598	0.0402	0.9598	0.0917	0.5201
htru2_20%	0.9765	0.0235	0.9765	0.8455	0.1724
hypothyroid_20%	0.9761	0.0119	0.9761	0.8517	0.1575
hypothyroidT_20%	0.9761	0.0239	0.9761	0.8040	0.0803
isolet_20%	0.1874	0.0625	0.1874	0.1549	0.3475
jm1_20%	0.8072	0.1928	0.8072	0.0355	0.4643
jvowels_20%	0.8233	0.0393	0.8233	0.7988	0.1834
kc1_20%	0.8341	0.1659	0.8341	0.2512	0.7272
krkopt_20%	0.6513	0.0387	0.6513	0.6083	0.3656
krvskp_20%	0.8809	0.1191	0.8809	0.7587	0.4774
la1s-wc_20%	0.3125	0.2750	0.3125	0.0000	0.3675
la2s-wc_20%	0.3149	0.2740	0.3149	0.0000	0.3621
letter_20%	0.4045	0.0458	0.4045	0.3810	0.3128
madelon_20%	0.5000	0.5000	0.5000	0.0000	0.5283
magic04_20%	0.8159	0.1841	0.8159	0.5579	0.5535
maternal_20%	0.7921	0.1386	0.7921	0.6813	0.3973
messidor_20%	0.5565	0.4435	0.5565	0.1826	0.6983
mfeat-fac_20%	0.3500	0.1300	0.3500	0.2938	0.3057
mfeat-fou_20%	0.3300	0.1340	0.3300	0.2407	0.3358
mfeat-kar_20%	0.2300	0.1540	0.2300	0.1508	0.4102
mfeat-mor_20%	0.7100	0.0580	0.7100	0.6770	0.2245
mfeat-pix_20%	0.8950	0.0210	0.8950	0.8828	0.1185
mfeat-zer_20%	0.2900	0.1420	0.2900	0.2055	0.3538
mice-prot_20%	0.9630	0.0093	0.9630	0.9576	0.0462
mobile_20%	0.0420	0.0342	0.0420	0.0249	0.4174
mushroom_20%	0.9372	0.0628	0.9372	0.7310	0.4910

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.8455	0.1545	0.8455	0.0000	0.2996
MUT_ci300400a_20%	0.3927	0.4904	0.5908	-0.0255	0.5698
MUT_ci300400a.cdk_ECFP2_20%	0.4934	0.4935	0.5797	-0.0671	0.6534
myocardial_20%	0.8588	0.0353	0.8588	0.2831	0.2191
naticusdroid_20%	0.9403	0.0597	0.9403	0.8806	0.2844
newspop_20%	0.5318	0.4682	0.5318	-0.0010	0.5332
NHANES_age_prediction_20%	0.9238	0.1637	1.0000	0.9385	0.0228
nomao_20%	0.9324	0.0676	0.9324	0.8292	0.3357
nursery_20%	0.9637	0.0145	0.9637	0.9312	0.0476
obs_20%	0.8704	0.0648	0.8704	0.8073	0.2537
occupancy_20%	0.9796	0.0204	0.9796	0.9423	0.1623
Occupancy_Estimation_20%	0.9636	0.1302	0.8717	0.8223	0.0580
oh0-wc_20%	0.2000	0.1600	0.2000	0.0000	0.3757
oh10-wc_20%	0.1524	0.1695	0.1524	0.0000	0.3876
optdigits_20%	0.5391	0.0922	0.5391	0.4903	0.2772
optdigitsZ_20%	0.9893	0.0107	0.9893	0.9304	0.0432
ozone1hr_20%	0.9565	0.0435	0.9565	-0.0131	0.5523
ozone8hr_20%	0.9289	0.0711	0.9289	0.0932	0.1761
P-Glycoprotein_b_Inhibitor_20%	0.7100	0.1970	0.6374	0.4595	0.5934
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.7562	0.1676	0.8601	0.6416	0.5344
p53-mutants10%_20%	0.9936	0.0064	0.9936	-0.0032	0.5148
page-blocks_20%	0.9634	0.0146	0.9634	0.7650	0.1436
parkinson_20%	0.9417	0.0583	0.9417	0.8789	0.2994
pc1_20%	0.9189	0.0811	0.9189	-0.0163	0.5300
pcmac_20%	0.5670	0.4330	0.5670	-0.0266	0.7135
pendigits_20%	0.9709	0.0058	0.9709	0.9676	0.0388
phishing_20%	0.8694	0.1306	0.8694	0.7270	0.5258
phoneme_20%	0.8556	0.1444	0.8556	0.6312	0.5850
phy_20%	0.6386	0.3614	0.6386	0.2754	0.8082
polish-1st_20%	0.9587	0.0413	0.9587	-0.0053	0.3773
polish-2nd_20%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_20%	0.9495	0.0505	0.9495	-0.0054	0.3653
polish-4th_20%	0.9449	0.0551	0.9449	-0.0039	0.3179
polish-5th_20%	0.9323	0.0677	0.9323	0.0445	0.1696
polya_20%	0.6422	0.3578	0.6422	0.0000	0.4790
popularity_20%	0.6305	0.2463	0.6305	-0.0012	0.3142
postures_20%	0.4807	0.2077	0.4807	0.3476	0.3167
re0-wc_20%	0.4067	0.0913	0.4067	0.0000	0.2775
re1-wc_20%	0.2303	0.0616	0.2303	0.0000	0.3286
rejafada_20%	0.9648	0.0352	0.9648	0.0000	0.1039
relathe_20%	0.9437	0.0563	0.9437	0.8860	0.2741
rocket_20%	0.6328	0.3672	0.6328	0.2221	0.9037
satimage_20%	0.8118	0.0627	0.8118	0.7631	0.1884
satimageF_20%	0.9813	0.0187	0.9813	0.8987	0.1509
satimageT_20%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_20%	0.9359	0.0641	0.9359	0.0000	0.1628
secondary_mushroom_20%	0.5428	0.4917	0.5934	0.3144	0.6784
segment_20%	0.9134	0.0247	0.9134	0.8987	0.1003
segmentO_20%	0.9697	0.0303	0.9697	0.8681	0.1019
seismic_20%	0.9341	0.0659	0.9341	0.0927	0.3832
semeion_20%	0.9308	0.0692	0.9308	0.6644	0.5476
sens-1-gram_20%	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-2-gram_20%	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-3-gram_20%	0.8658	0.1342	0.8658	-0.0052	0.3810
sens-4-gram_20%	0.8684	0.1316	0.8684	0.0000	0.2696
sensorless_20%	0.8296	0.0310	0.8296	0.8126	0.1111
shoppers_20%	0.8929	0.1071	0.8929	0.5354	0.5631
shuttle_20%	0.9976	0.0007	0.9976	0.9931	0.0035

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.9363	0.0637	0.9363	0.1819	0.4136
solar-flare_20%	0.7338	0.0887	0.7338	0.6558	0.2238
spambase_20%	0.6087	0.3913	0.6087	0.0155	0.5370
splice-EI_20%	0.8738	0.1262	0.8738	0.6935	0.5475
splice-IE_20%	0.8644	0.1356	0.8644	0.6457	0.5949
sport-articles_20%	0.6800	0.3200	0.6800	0.1757	0.5873
steel_industry_20%	0.7843	0.0847	0.7035	0.7490	0.3162
steel-b_20%	0.8000	0.2000	0.8000	0.0749	0.3544
steel-d_20%	0.9692	0.0308	0.9692	0.0000	0.0938
steel-k_20%	0.9538	0.0462	0.9538	0.8516	0.2615
steel-o_20%	0.6872	0.3128	0.6872	0.1375	0.5382
steel-p_20%	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s_20%	0.9795	0.0205	0.9795	0.6573	0.0694
steel-z_20%	0.9333	0.0667	0.9333	0.4545	0.1714
swarm_aligned_20%	0.9242	0.1522	0.8644	0.8252	0.0188
swarm_flocking_20%	0.8774	0.1143	0.9347	0.9084	0.1763
swarm_grouped_20%	0.9110	0.0505	0.8009	0.9878	0.1715
texture_20%	0.6909	0.0562	0.6909	0.6596	0.1628
theorem_20%	0.5925	0.4075	0.5925	0.0273	0.5048
tis_20%	0.7524	0.2476	0.7524	0.0000	0.3989
titanic_20%	0.7864	0.2136	0.7864	0.4827	0.7069
tuandromd_20%	0.9664	0.0336	0.9664	0.8977	0.2781
wap-wc_20%	0.2179	0.0782	0.2179	0.0000	0.3441
waveform_20%	0.7080	0.1947	0.7080	0.5621	0.4049
web-phishing_20%	0.8222	0.1185	0.8222	0.6860	0.4116
weight-lift_20%	0.3279	0.2688	0.3279	0.0666	0.3711
wifi-loc_20%	0.9850	0.0075	0.9850	0.9800	0.0346
wilt_20%	0.9607	0.0393	0.9607	0.3334	0.1140
winequality-red_20%	0.5975	0.1342	0.5975	0.3189	0.3143
winequality-white_20%	0.4826	0.1478	0.4826	0.0812	0.3258
yeast_20%	0.4662	0.1068	0.4662	0.3134	0.3384
yeastEXC_20%	0.9527	0.0473	0.9527	-0.0237	0.6093
yeastME1_20%	0.9595	0.0405	0.9595	0.2292	0.5992
yeastME2_20%	0.9527	0.0473	0.9527	0.2055	0.4689
zip_20%	0.5759	0.0848	0.5759	0.3390	0.5020

Table 256: Detailed results for HistGradientBoostingTrees

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1439	0.0590	0.1439	0.0657	0.6720
abalone19_20%	0.9450	0.0550	0.9450	-0.0126	0.2052
accelerometer_20%	0.9822	0.0178	0.9822	0.0000	0.0611
ads_20%	0.8902	0.1098	0.8902	0.5963	0.6044
adult_20%	0.8624	0.1376	0.8624	0.5893	0.5803
AID_1431_20%	0.8043	0.2650	0.8902	-0.0930	0.3746
AID_1878_20%	0.7942	0.2056	0.6341	0.2694	0.7986
AID_602330_20%	0.9419	0.2552	0.8311	-0.0624	0.5389
AID1608Morered_20%	0.8447	0.1553	0.8447	0.1984	0.5971
AID1608red_20%	0.7184	0.2816	0.7184	-0.1018	0.4307
AID362red_20%	0.8123	0.0951	0.7961	0.2558	0.1343
AID373AID439red_20%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_20%	0.9760	0.0240	0.9760	-0.0053	0.1828
AID604_20%	0.8900	0.0672	0.8196	0.8995	0.0113
AID604AID644_AllRed_20%	0.9975	0.1491	1.0000	-0.0627	0.3497
AID687AID721red_20%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_20%	0.9970	0.0030	0.9970	0.0000	0.0142
AID688red_20%	0.9908	0.0092	0.9908	0.0000	0.0358
AID746AID1284red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_20%	0.9940	0.0060	0.9940	0.0000	0.0253
anuran-f-b_20%	0.9527	0.0473	0.9527	0.1378	0.3040
anuran-family_20%	0.9694	0.0153	0.9694	0.9419	0.1425
anuran-genus_20%	0.9624	0.0094	0.9624	0.9381	0.1026
anuran-species_20%	0.9736	0.0053	0.9736	0.9633	0.0715
aps-failure_20%	0.8637	0.1078	0.9221	0.6373	0.2998
auction_20%	0.8775	0.1225	0.8775	0.4749	0.6584
avila_20%	0.9698	0.0050	0.9698	0.9607	0.1111
bank_20%	0.9041	0.0959	0.9041	0.4655	0.6054
banknote_20%	0.8540	0.1460	0.8540	0.7101	0.5127
barleyblumeria_20%	0.7949	0.2051	0.7949	0.5516	0.6914
basehock_20%	0.7688	0.2312	0.7688	0.5378	0.7167
biodeg_20%	0.7619	0.2381	0.7619	0.4828	0.7398
car_20%	0.8276	0.0862	0.8276	0.6691	0.5126
cardiotocography_20%	0.8169	0.0366	0.8169	0.7820	0.2730
cardiotocography-nsp_20%	0.8451	0.1033	0.8451	0.5950	0.5198
cargo2k_20%	0.9822	0.0118	0.9822	0.9733	0.0691
cas_N6512_cdk_ECFP2_20%	0.7040	0.3033	0.6115	0.4109	0.8690
census10%_20%	0.9495	0.0505	0.9495	0.3859	0.4427
cjs_20%	0.9179	0.0274	0.9179	0.8999	0.1598
clave_20%	0.9889	0.0111	0.9889	0.9598	0.1172
cmc_20%	0.4354	0.3764	0.4354	0.1317	0.8005
cnae-9_20%	0.7685	0.0514	0.7685	0.7380	0.2405
codon_usage_20%	0.7124	0.0954	0.7747	0.7954	0.2457
coil20_20%	0.8889	0.0111	0.8889	0.8830	0.0759
connect-4_20%	0.9848	0.0102	0.9848	0.5117	0.0938
cottonmeloidogyne_20%	0.6851	0.3149	0.6851	0.3703	0.8395
coupon_20%	0.6972	0.3028	0.6972	0.3702	0.8224
covtypeCD_20%	0.9771	0.0229	0.9771	0.8991	0.1769
covtypeT_20%	0.9696	0.0304	0.9696	0.7437	0.3380
crowdsourced_20%	0.9290	0.0237	0.9290	0.8511	0.1598
default_20%	0.8250	0.1750	0.8250	0.3899	0.6431
deposit_20%	0.9022	0.0978	0.9022	0.4273	0.5768
diabetic10%_20%	0.5334	0.3111	0.5334	0.1275	0.7312
dropout_20%	0.6817	0.2122	0.6817	0.4751	0.5908

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.3032	0.1991	0.3032	0.0091	0.7936
drug-02_20%	0.4255	0.1641	0.4255	0.1233	0.8318
drug-03_20%	0.6064	0.1125	0.6064	0.0381	0.5521
drug-04_20%	0.4202	0.1657	0.4202	0.1009	0.8216
drug-05_20%	0.6862	0.0897	0.6862	0.0533	0.5967
drug-06_20%	0.2713	0.2082	0.2713	0.1182	0.7720
drug-07_20%	0.3032	0.1991	0.3032	-0.0794	0.6152
drug-08_20%	0.5266	0.1353	0.5266	0.2149	0.7339
drug-09_20%	0.8457	0.0441	0.8457	0.1509	0.5577
drug-10_20%	0.4840	0.1474	0.4840	0.1405	0.8090
drug-11_20%	0.8085	0.0547	0.8085	0.1058	0.7222
drug-12_20%	0.7500	0.0714	0.7500	0.0649	0.6819
drug-13_20%	0.5851	0.1185	0.5851	0.2547	0.6144
drug-14_20%	0.5000	0.1429	0.5000	0.1734	0.7319
drug-15_20%	0.6702	0.0942	0.6702	0.0454	0.8608
drug-16_20%	0.5426	0.1307	0.5426	0.2737	0.6445
drug-17_20%	0.2660	0.2097	0.2660	0.0655	0.8447
drug-18_20%	0.9521	0.0191	0.9521	-0.0053	0.1712
drug-19_20%	0.6543	0.0988	0.6543	0.0612	0.7229
drybean_20%	0.9192	0.0231	0.9192	0.9022	0.1340
eeg_20%	0.5151	0.0606	0.5151	0.4614	0.5813
eeg-eye_20%	0.8238	0.1762	0.8238	0.6425	0.6182
euthyroid_20%	0.9051	0.0949	0.9051	0.5638	0.5992
fbis-wc_20%	0.1992	0.0942	0.1992	-0.0065	0.3992
fonts10%_20%	0.3662	0.1010	0.3510	0.1945	1.0000
gas_20%	0.9863	0.0046	0.9863	0.9834	0.0336
gender_20%	0.5326	0.3116	0.5326	0.1018	0.7771
gene_20%	0.8707	0.0862	0.8707	0.7902	0.3303
german_20%	0.6200	0.3800	0.6200	0.1757	0.9113
gina_20%	0.8156	0.1844	0.8156	0.6316	0.6275
hapt_20%	0.9570	0.0072	0.9570	0.9492	0.0645
hiv1-proteasa_20%	0.8263	0.1737	0.8263	0.3926	0.7234
hiva_20%	0.8842	0.1158	0.8842	0.0606	0.4764
htru2_20%	0.9732	0.0268	0.9732	0.8255	0.2381
hypothyroid_20%	0.9576	0.0212	0.9576	0.7697	0.4894
hypothyroidT_20%	0.9257	0.0743	0.9257	0.5604	0.5915
isolet_20%	0.9024	0.0075	0.9024	0.8985	0.0886
jm1_20%	0.7833	0.2167	0.7833	0.1111	0.7785
jvowels_20%	0.9367	0.0141	0.9367	0.9284	0.1078
kc1_20%	0.8009	0.1991	0.8009	0.2457	0.7665
krkopt_20%	0.7234	0.0307	0.7234	0.6892	0.3496
krvskp_20%	0.8715	0.1285	0.8715	0.7432	0.4985
la1s-wc_20%	0.3219	0.2712	0.3219	0.0197	0.4560
la2s-wc_20%	0.3084	0.2766	0.3084	-0.0039	0.4629
letter_20%	0.9005	0.0077	0.9005	0.8965	0.1150
madelon_20%	0.5154	0.4846	0.5154	0.0308	0.9910
magic04_20%	0.8511	0.1489	0.8511	0.6641	0.5646
maternal_20%	0.7723	0.1518	0.7723	0.6522	0.4579
messidor_20%	0.5565	0.4435	0.5565	0.1039	0.9606
mfeat-fac_20%	0.9100	0.0180	0.9100	0.8994	0.1051
mfeat-fou_20%	0.8400	0.0320	0.8400	0.8213	0.1462
mfeat-kar_20%	0.8900	0.0220	0.8900	0.8775	0.1333
mfeat-mor_20%	0.5750	0.0850	0.5750	0.5270	0.3978
mfeat-pix_20%	0.9050	0.0190	0.9050	0.8941	0.1218
mfeat-zer_20%	0.7250	0.0550	0.7250	0.6938	0.2373
mice-prot_20%	0.9074	0.0231	0.9074	0.8941	0.1110
mobile_20%	0.8322	0.0060	0.8322	0.8291	0.0767
mushroom_20%	0.9803	0.0197	0.9803	0.9011	0.3084

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.8864	0.1136	0.8864	0.5803	0.6130
MUT_ci300400a_20%	0.6909	0.2848	0.7862	0.5330	0.5883
MUT_ci300400a.cdk.ECFP2_20%	0.6108	0.2201	0.7108	0.5244	0.7525
myocardial_20%	0.8706	0.0324	0.8706	0.4120	0.4141
naticusdroid_20%	0.9574	0.0426	0.9574	0.9148	0.2352
newspop_20%	0.6604	0.3396	0.6604	0.3135	0.8668
NHANES_age_prediction_20%	0.8338	0.0320	0.9140	0.8453	0.1675
nomao_20%	0.9481	0.0519	0.9481	0.8713	0.2962
nursery_20%	0.9336	0.0265	0.9336	0.8783	0.0426
obs_20%	0.8519	0.0741	0.8519	0.7848	0.3013
occupancy_20%	0.9864	0.0136	0.9864	0.9616	0.1215
Occupancy_Estimation_20%	0.8688	0.0353	0.9774	0.8746	0.1587
oh0-wc_20%	0.2000	0.1600	0.2000	0.0045	0.3815
oh10-wc_20%	0.1524	0.1695	0.1524	0.0030	0.4597
optdigits_20%	0.9342	0.0132	0.9342	0.9268	0.0912
optdigitsZ_20%	0.9448	0.0552	0.9448	0.7139	0.5148
ozone1hr_20%	0.8379	0.1621	0.8379	0.0744	0.3985
ozone8hr_20%	0.8498	0.1502	0.8498	0.0558	0.6680
P-Glycoprotein_b_Inhibitor_20%	0.8151	0.2225	0.6363	0.6067	0.7929
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.7928	0.3291	0.6865	0.7067	0.5308
p53-mutants10%_20%	0.9108	0.0892	0.9108	-0.0062	0.0660
page-blocks_20%	0.9506	0.0197	0.9506	0.7535	0.5511
parkinson_20%	0.9000	0.1000	0.9000	0.7956	0.4361
pc1_20%	0.7928	0.2072	0.7928	-0.0200	0.5831
pcmac_20%	0.4485	0.5515	0.4485	-0.1280	1.0000
pendigits_20%	0.9691	0.0062	0.9691	0.9656	0.0553
phishing_20%	0.8571	0.1429	0.8571	0.6975	0.5508
phoneme_20%	0.8352	0.1648	0.8352	0.6058	0.6379
phy_20%	0.5302	0.4193	0.7271	0.3364	0.8318
polish-1st_20%	0.9374	0.0626	0.9374	0.3215	0.5970
polish-2nd_20%	0.9361	0.0639	0.9361	0.1227	0.6300
polish-3rd_20%	0.9210	0.0790	0.9210	0.0268	0.6548
polish-4th_20%	0.9398	0.0602	0.9398	0.3841	0.6116
polish-5th_20%	0.8917	0.1083	0.8917	0.3158	0.6415
polya_20%	0.7514	0.2486	0.7514	0.4486	0.7655
popularity_20%	0.5622	0.3825	0.5192	0.1912	0.5380
postures_20%	0.9042	0.1850	1.0000	1.0000	0.1128
re0-wc_20%	0.3867	0.0944	0.3867	-0.0117	0.3403
re1-wc_20%	0.2424	0.0606	0.2424	0.0431	0.3713
rejafada_20%	0.9146	0.0854	0.9146	0.3358	0.5117
relathe_20%	0.8803	0.1197	0.8803	0.7574	0.4769
rocket_20%	0.6807	0.3193	0.6807	0.3497	0.8422
satimage_20%	0.8787	0.0404	0.8787	0.8501	0.1971
satimageF_20%	0.9596	0.0404	0.9596	0.7967	0.4044
satimageT_20%	0.8942	0.1058	0.8942	0.4259	0.6544
secom_20%	0.8333	0.1667	0.8333	-0.0120	0.5949
secondary_mushroom_20%	0.9439	0.2090	0.8767	0.9448	0.1311
segment_20%	0.8874	0.0322	0.8874	0.8684	0.1648
segmentO_20%	0.8355	0.1645	0.8355	0.4928	0.6371
seismic_20%	0.8101	0.1899	0.8101	0.0835	0.5601
semeion_20%	0.8931	0.1069	0.8931	0.5475	0.5982
sens-1-gram_20%	0.7605	0.2395	0.7605	0.0265	0.7670
sens-2-gram_20%	0.8237	0.1763	0.8237	0.1647	0.7608
sens-3-gram_20%	0.8105	0.1895	0.8105	0.1418	0.7666
sens-4-gram_20%	0.7974	0.2026	0.7974	0.2014	0.7435
sensorless_20%	0.9908	0.0017	0.9908	0.9898	0.0186
shoppers_20%	0.8816	0.1184	0.8816	0.4759	0.5972
shuttle_20%	0.9997	0.0001	0.9997	0.9990	0.0005

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.8939	0.1061	0.8939	0.3918	0.6058
solar-flare_20%	0.7194	0.0935	0.7194	0.6394	0.3243
spambase_20%	0.8696	0.1304	0.8696	0.7241	0.5164
splice-EI_20%	0.8833	0.1167	0.8833	0.7132	0.5306
splice-IE_20%	0.8517	0.1483	0.8517	0.6024	0.6286
sport-articles_20%	0.6700	0.3300	0.6700	0.3038	0.8604
steel_industry_20%	0.8845	0.1284	0.7974	0.7128	0.2862
steel-b_20%	0.7385	0.2615	0.7385	0.2945	0.7836
steel-d_20%	0.8821	0.1179	0.8821	0.0349	0.4260
steel-k_20%	0.8308	0.1692	0.8308	0.5444	0.6550
steel-o_20%	0.6769	0.3231	0.6769	0.2863	0.8632
steel-p_20%	0.8308	0.1692	0.8308	0.3845	0.5410
steel-s_20%	0.8974	0.1026	0.8974	0.2907	0.5219
steel-z_20%	0.8667	0.1333	0.8667	0.4489	0.6202
swarm_aligned_20%	0.8694	0.1158	0.7955	0.9652	0.0000
swarm_flocking_20%	0.9632	0.1048	0.8089	0.9150	0.1930
swarm_grouped_20%	0.9276	0.0000	0.9320	0.9931	0.0530
texture_20%	0.9455	0.0099	0.9455	0.9398	0.0777
theorem_20%	0.9493	0.0507	0.9493	0.8965	0.2717
tis_20%	0.8968	0.1032	0.8968	0.7100	0.4818
titanic_20%	0.7864	0.2136	0.7864	0.4827	0.7069
tuandromd_20%	0.9507	0.0493	0.9507	0.8374	0.2618
wap-wc_20%	0.2179	0.0782	0.2179	0.0069	0.3826
waveform_20%	0.7920	0.1387	0.7920	0.6880	0.4419
web-phishing_20%	0.7037	0.1975	0.7037	0.4879	0.6073
weight-lift_20%	0.8788	0.1019	0.8549	0.9533	0.0269
wifi-loc_20%	0.8650	0.0675	0.8650	0.8200	0.2634
wilt_20%	0.9130	0.0870	0.9130	0.4491	0.5495
winequality-red_20%	0.5660	0.1447	0.5660	0.3711	0.6778
winequality-white_20%	0.5378	0.1320	0.5378	0.3264	0.8050
yeast_20%	0.4730	0.1054	0.4730	0.3316	0.5998
yeastEXC_20%	0.8176	0.1824	0.8176	0.0235	0.2987
yeastME1_20%	0.8446	0.1554	0.8446	0.1070	0.3346
yeastME2_20%	0.8041	0.1959	0.8041	0.1036	0.4391
zip_20%	0.5985	0.0803	0.5985	0.4008	0.6162

Table 257: Detailed results for HybridGB

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1583	0.0580	0.1583	0.0804	0.6034
abalone19_20%	0.9833	0.0167	0.9833	-0.0083	0.4907
accelerometer_20%	0.9816	0.0184	0.9816	-0.0012	0.2266
ads_20%	0.9543	0.0457	0.9543	0.8013	0.3393
adult_20%	0.8620	0.1380	0.8620	0.5827	0.5727
AID_1431_20%	0.9129	0.1263	0.8356	-0.0460	0.3593
AID_1878_20%	0.7304	0.1926	0.6411	-0.0023	0.7886
AID_602330_20%	0.9377	0.2161	0.8022	-0.0678	0.5478
AID1608Mored_20%	0.8641	0.1359	0.8641	0.1518	0.6392
AID1608red_20%	0.7670	0.2330	0.7670	-0.0957	0.4736
AID362red_20%	0.7796	0.1836	0.9657	-0.0892	0.0648
AID373AID439red_20%	0.9998	0.0002	0.9998	0.0000	0.0011
AID373red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID456red_20%	0.9950	0.0050	0.9950	-0.0024	0.5429
AID604_20%	0.8709	0.1368	0.9487	0.0317	0.1924
AID604AID644_AllRed_20%	0.8488	0.2070	0.7938	-0.0351	0.5402
AID687AID721red_20%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_20%	0.9964	0.0036	0.9964	-0.0010	0.4450
AID688red_20%	0.9901	0.0099	0.9901	-0.0014	0.3140
AID746AID1284red_20%	0.9990	0.0010	0.9990	0.0000	0.0055
AID746red_20%	0.9938	0.0062	0.9938	-0.0003	0.1661
anuran-f-b_20%	0.9875	0.0125	0.9875	0.1756	0.5593
anuran-family_20%	0.9694	0.0153	0.9694	0.9417	0.1915
anuran-genus_20%	0.9750	0.0063	0.9750	0.9586	0.0592
anuran-species_20%	0.9764	0.0047	0.9764	0.9671	0.0468
aps-failure_20%	0.9992	0.0260	0.9195	0.5835	0.2414
auction_20%	0.9412	0.0588	0.9412	0.6706	0.1610
avila_20%	0.9569	0.0072	0.9569	0.9436	0.0991
bank_20%	0.9107	0.0893	0.9107	0.5128	0.5855
banknote_20%	0.9197	0.0803	0.9197	0.8393	0.3532
barleyblumeria_20%	0.8479	0.1521	0.8479	0.6613	0.5677
basehock_20%	0.8492	0.1508	0.8492	0.6987	0.5253
biodeg_20%	0.7905	0.2095	0.7905	0.5515	0.6944
car_20%	0.9253	0.0374	0.9253	0.8385	0.2150
cardiotocography_20%	0.8357	0.0329	0.8357	0.8034	0.2320
cardiotocography-nsp_20%	0.8920	0.0720	0.8920	0.6813	0.3642
cargo2k_20%	1.0000	0.0000	1.0000	1.0000	0.0000
cas_N6512_cdk_ECFP2_20%	0.7354	0.2911	0.6248	0.3711	0.7980
census10%_20%	0.9485	0.0515	0.9485	0.3576	0.4352
cjs_20%	0.9964	0.0012	0.9964	0.9956	0.0059
clave_20%	1.0000	0.0000	1.0000	1.0000	0.0000
cmc_20%	0.5170	0.3220	0.5170	0.2437	0.7401
cnae-9_20%	0.8519	0.0329	0.8519	0.8324	0.1372
codon_usage_20%	0.8308	0.1671	0.8140	0.8260	0.2411
coil20_20%	0.9028	0.0097	0.9028	0.8976	0.0684
connect-4_20%	0.9836	0.0110	0.9836	0.4349	0.0331
cottonmeloidogyne_20%	0.7308	0.2692	0.7308	0.4619	0.7751
coupon_20%	0.7066	0.2934	0.7066	0.3879	0.8061
covtypeCD_20%	0.9732	0.0268	0.9732	0.8808	0.2020
covtypeT_20%	0.9694	0.0306	0.9694	0.7350	0.3150
crowdsourced_20%	0.9272	0.0243	0.9272	0.8453	0.2192
default_20%	0.8240	0.1760	0.8240	0.3916	0.6526
deposit_20%	0.8983	0.1017	0.8983	0.4167	0.6025
diabetic10%_20%	0.5717	0.2855	0.5717	0.1514	0.5959
dropout_20%	0.7449	0.1701	0.7449	0.5642	0.4702

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.2766	0.2067	0.2766	-0.0469	0.8418
drug-02_20%	0.4894	0.1459	0.4894	0.1680	0.7836
drug-03_20%	0.6117	0.1109	0.6117	0.0317	0.5188
drug-04_20%	0.4734	0.1505	0.4734	0.1086	0.7839
drug-05_20%	0.7181	0.0805	0.7181	0.0158	0.3975
drug-06_20%	0.3191	0.1945	0.3191	0.1655	0.7325
drug-07_20%	0.3404	0.1885	0.3404	-0.0463	0.6042
drug-08_20%	0.5479	0.1292	0.5479	0.2041	0.6501
drug-09_20%	0.8564	0.0410	0.8564	0.0191	0.3160
drug-10_20%	0.5106	0.1398	0.5106	0.1224	0.5927
drug-11_20%	0.8351	0.0471	0.8351	0.1010	0.4878
drug-12_20%	0.7819	0.0623	0.7819	-0.0123	0.3502
drug-13_20%	0.6064	0.1125	0.6064	0.2785	0.4663
drug-14_20%	0.5372	0.1322	0.5372	0.2175	0.7240
drug-15_20%	0.7287	0.0775	0.7287	0.0622	0.5049
drug-16_20%	0.5479	0.1292	0.5479	0.2911	0.5196
drug-17_20%	0.3511	0.1854	0.3511	0.1507	0.7889
drug-18_20%	0.9840	0.0064	0.9840	-0.0053	0.1738
drug-19_20%	0.7394	0.0745	0.7394	0.1197	0.5040
drybean_20%	0.9229	0.0220	0.9229	0.9066	0.1246
eeg_20%	0.5122	0.0610	0.5122	0.4576	0.5551
eeg-eye_20%	0.8031	0.1969	0.8031	0.5985	0.6535
euthyroid_20%	0.9589	0.0411	0.9589	0.7570	0.3878
fbis-wc_20%	0.1951	0.0947	0.1951	-0.0106	0.4533
fonts10%_20%	0.0000	0.0479	0.0408	0.0156	0.8177
gas_20%	0.9820	0.0060	0.9820	0.9782	0.0421
gender_20%	0.5768	0.2821	0.5768	0.1102	0.6292
gene_20%	0.9148	0.0568	0.9148	0.8643	0.2409
german_20%	0.6700	0.3300	0.6700	0.2180	0.8700
gina_20%	0.8444	0.1556	0.8444	0.6891	0.5651
hapt_20%	0.9478	0.0087	0.9478	0.9383	0.0643
hiv1-proteasa_20%	0.8600	0.1400	0.8600	0.3924	0.6121
hiva_20%	0.9362	0.0638	0.9362	-0.0325	0.6257
htru2_20%	0.9743	0.0257	0.9743	0.8347	0.2432
hypothyroid_20%	0.9894	0.0053	0.9894	0.9385	0.1498
hypothyroidT_20%	0.9735	0.0265	0.9735	0.8071	0.3309
isolet_20%	0.8845	0.0089	0.8845	0.8798	0.1051
jm1_20%	0.8053	0.1947	0.8053	0.1248	0.6574
jvowels_20%	0.9518	0.0107	0.9518	0.9454	0.0786
kc1_20%	0.8294	0.1706	0.8294	0.3371	0.7328
krkopt_20%	0.6642	0.0373	0.6642	0.6219	0.3254
krvskp_20%	0.9279	0.0721	0.9279	0.8548	0.3473
la1s-wc_20%	0.3219	0.2712	0.3219	0.0197	0.4560
la2s-wc_20%	0.3019	0.2792	0.3019	-0.0098	0.5243
letter_20%	0.9085	0.0070	0.9085	0.9048	0.1060
madelon_20%	0.5385	0.4615	0.5385	0.0769	0.9740
magic04_20%	0.8638	0.1362	0.8638	0.6891	0.5163
maternal_20%	0.7921	0.1386	0.7921	0.6815	0.4217
messidor_20%	0.5391	0.4609	0.5391	0.0814	0.9631
mfeat-fac_20%	0.9150	0.0170	0.9150	0.9049	0.1019
mfeat-fou_20%	0.8050	0.0390	0.8050	0.7818	0.1684
mfeat-kar_20%	0.9100	0.0180	0.9100	0.8998	0.1082
mfeat-mor_20%	0.7000	0.0600	0.7000	0.6659	0.2632
mfeat-pix_20%	0.9500	0.0100	0.9500	0.9443	0.0652
mfeat-zer_20%	0.7400	0.0520	0.7400	0.7104	0.2256
mice-prot_20%	0.9444	0.0139	0.9444	0.9364	0.0706
mobile_20%	0.8182	0.0065	0.8182	0.8149	0.0840
mushroom_20%	0.9914	0.0086	0.9914	0.9547	0.1872

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.9273	0.0727	0.9273	0.6921	0.4179
MUT_ci300400a_20%	0.6387	0.1605	0.6748	0.6101	0.6499
MUT_ci300400a.cdk.ECFP2_20%	0.7446	0.3939	0.5891	0.5427	0.8144
myocardial_20%	0.8706	0.0324	0.8706	0.3254	0.1848
naticusdroid_20%	0.9608	0.0392	0.9608	0.9216	0.2200
newspop_20%	0.6539	0.3461	0.6539	0.3002	0.8742
NHANES_age_prediction_20%	0.8264	0.1369	0.8709	0.8809	0.1208
nomao_20%	0.9492	0.0508	0.9492	0.8739	0.2878
nursery_20%	0.9444	0.0222	0.9444	0.8923	0.0465
obs_20%	0.9167	0.0417	0.9167	0.8771	0.1720
occupancy_20%	0.9864	0.0136	0.9864	0.9620	0.1381
Occupancy_Estimation_20%	0.8662	0.1771	0.8097	0.7793	0.0868
oh0-wc_20%	0.2000	0.1600	0.2000	0.0097	0.4266
oh10-wc_20%	0.1524	0.1695	0.1524	0.0030	0.4597
optdigits_20%	0.9484	0.0103	0.9484	0.9426	0.0705
optdigitsZ_20%	0.9769	0.0231	0.9769	0.8658	0.3444
ozone1hr_20%	0.9289	0.0711	0.9289	0.0633	0.5975
ozone8hr_20%	0.8854	0.1146	0.8854	0.0614	0.7032
P-Glycoprotein_b_Inhibitor_20%	0.7358	0.2348	0.7193	0.5722	0.6660
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.8275	0.1851	0.7746	0.6915	0.6115
p53-mutants10%_20%	0.9618	0.0382	0.9618	-0.0059	0.1301
page-blocks_20%	0.9781	0.0088	0.9781	0.8787	0.1972
parkinson_20%	0.9583	0.0417	0.9583	0.9140	0.2399
pc1_20%	0.8559	0.1441	0.8559	-0.0777	0.6820
pcmac_20%	0.4742	0.5258	0.4742	-0.1041	1.0000
pendigits_20%	0.9827	0.0035	0.9827	0.9808	0.0312
phishing_20%	0.9265	0.0735	0.9265	0.8423	0.3099
phoneme_20%	0.8556	0.1444	0.8556	0.6401	0.5940
phy_20%	0.6590	0.2869	0.5875	0.3619	0.8281
polish-1st_20%	0.9602	0.0398	0.9602	0.3145	0.5450
polish-2nd_20%	0.9558	0.0442	0.9558	0.0682	0.5103
polish-3rd_20%	0.9438	0.0562	0.9438	0.0719	0.5755
polish-4th_20%	0.9439	0.0561	0.9439	0.2602	0.5674
polish-5th_20%	0.9340	0.0660	0.9340	0.4710	0.5950
polya_20%	0.7730	0.2270	0.7730	0.4882	0.7245
popularity_20%	0.6551	0.2896	0.5759	0.1789	0.6478
postures_20%	0.9185	0.0108	0.8403	0.9019	0.1939
re0-wc_20%	0.3933	0.0933	0.3933	0.0035	0.3386
re1-wc_20%	0.2424	0.0606	0.2424	0.0447	0.4123
rejafada_20%	0.9698	0.0302	0.9698	0.6517	0.5359
relathe_20%	0.9577	0.0423	0.9577	0.9147	0.2293
rocket_20%	0.6647	0.3353	0.6647	0.3063	0.8682
satimage_20%	0.8896	0.0368	0.8896	0.8633	0.1668
satimageF_20%	0.9813	0.0187	0.9813	0.8987	0.1509
satimageT_20%	0.9222	0.0778	0.9222	0.4965	0.5359
secom_20%	0.8846	0.1154	0.8846	0.0384	0.6731
secondary_mushroom_20%	0.8071	0.1709	0.9013	0.8480	0.0825
segment_20%	0.9351	0.0186	0.9351	0.9240	0.0964
segmentO_20%	0.9654	0.0346	0.9654	0.8586	0.2823
seismic_20%	0.9109	0.0891	0.9109	0.1612	0.6711
semeion_20%	0.8994	0.1006	0.8994	0.5648	0.5946
sens-1-gram_20%	0.8000	0.2000	0.8000	-0.0329	0.7973
sens-2-gram_20%	0.8289	0.1711	0.8289	0.0291	0.7666
sens-3-gram_20%	0.8526	0.1474	0.8526	0.1350	0.7006
sens-4-gram_20%	0.8316	0.1684	0.8316	0.0544	0.7614
sensorless_20%	0.9889	0.0020	0.9889	0.9878	0.0211
shoppers_20%	0.8832	0.1168	0.8832	0.4931	0.5995
shuttle_20%	0.9995	0.0001	0.9995	0.9985	0.0009

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.9523	0.0477	0.9523	0.5835	0.5067
solar-flare_20%	0.7554	0.0815	0.7554	0.6850	0.2172
spambase_20%	0.9000	0.1000	0.9000	0.7881	0.4271
splice-EI_20%	0.9243	0.0757	0.9243	0.8104	0.4198
splice-IE_20%	0.8612	0.1388	0.8612	0.6294	0.6071
sport-articles_20%	0.7200	0.2800	0.7200	0.3994	0.8067
steel_industry_20%	0.7812	0.2049	0.7251	0.7468	0.4106
steel-b_20%	0.8154	0.1846	0.8154	0.4441	0.7196
steel-d_20%	0.9436	0.0564	0.9436	-0.0288	0.6117
steel-k_20%	0.9231	0.0769	0.9231	0.7663	0.4536
steel-o_20%	0.7026	0.2974	0.7026	0.3172	0.8358
steel-p_20%	0.8923	0.1077	0.8923	0.3741	0.6540
steel-s_20%	0.9385	0.0615	0.9385	0.4245	0.5841
steel-z_20%	0.9179	0.0821	0.9179	0.5735	0.5939
swarm_aligned_20%	0.9238	0.1876	0.9918	0.9856	0.0208
swarm_flocking_20%	1.0000	0.1945	0.9024	0.9422	0.1850
swarm_grouped_20%	0.9089	0.0311	0.9260	0.9382	0.0492
texture_20%	0.9673	0.0060	0.9673	0.9639	0.0462
theorem_20%	0.9935	0.0065	0.9935	0.9865	0.0509
tis_20%	0.8998	0.1002	0.8998	0.7202	0.4766
titanic_20%	0.7864	0.2136	0.7864	0.4827	0.7069
tuandromd_20%	0.9776	0.0224	0.9776	0.9298	0.1810
wap-wc_20%	0.2115	0.0788	0.2115	-0.0030	0.3856
waveform_20%	0.8220	0.1187	0.8220	0.7330	0.3983
web-phishing_20%	0.7778	0.1481	0.7778	0.6081	0.5386
weight-lift_20%	0.9095	0.2088	0.9796	0.7998	0.0309
wifi-loc_20%	0.9750	0.0125	0.9750	0.9667	0.0599
wilt_20%	0.9627	0.0373	0.9627	0.6592	0.5304
winequality-red_20%	0.5849	0.1384	0.5849	0.3795	0.7052
winequality-white_20%	0.5624	0.1250	0.5624	0.3298	0.7142
yeast_20%	0.5000	0.1000	0.5000	0.3553	0.4796
yeastEXC_20%	0.9122	0.0878	0.9122	-0.0389	0.4541
yeastME1_20%	0.9189	0.0811	0.9189	0.2183	0.4747
yeastME2_20%	0.9189	0.0811	0.9189	0.2079	0.6255
zip_20%	0.6179	0.0764	0.6179	0.4510	0.6108

Table 258: Detailed results for DiscreteAdaBoost(ova)

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.0815	0.0633	0.0815	0.0466	0.5378
abalone19_20%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_20%	0.9809	0.0191	0.9809	-0.0023	0.3189
ads_20%	0.9299	0.0701	0.9299	0.6485	0.3149
adult_20%	0.7998	0.2002	0.7998	0.2223	0.3943
AID_1431_20%	0.7178	0.1985	0.7905	-0.0574	0.6068
AID_1878_20%	0.6863	0.2224	0.6467	0.0149	0.9320
AID_602330_20%	0.9280	0.2457	0.9405	-0.0927	0.6032
AID1608Morered_20%	0.8544	0.1456	0.8544	0.1364	0.6271
AID1608red_20%	0.7573	0.2427	0.7573	-0.0971	0.4638
AID362red_20%	0.9720	0.0280	0.9720	-0.0142	0.5507
AID373AID439red_20%	0.9995	0.0005	0.9995	-0.0002	0.3911
AID373red_20%	0.9987	0.0013	0.9987	-0.0005	0.5055
AID456red_20%	0.9890	0.0110	0.9890	-0.0044	0.3483
AID604_20%	0.9958	0.0042	0.9958	-0.0011	0.4268
AID604AID644_AllRed_20%	0.9351	0.0486	0.8564	-0.0243	0.7252
AID687AID721red_20%	0.9985	0.0015	0.9985	-0.0007	0.4457
AID687red_20%	0.9961	0.0039	0.9961	-0.0014	0.5024
AID688red_20%	0.9901	0.0099	0.9901	-0.0014	0.3140
AID746AID1284red_20%	0.9983	0.0017	0.9983	-0.0008	0.5343
AID746red_20%	0.9931	0.0069	0.9931	-0.0015	0.3955
anuran-f-b_20%	0.9903	0.0097	0.9903	-0.0024	0.4342
anuran-family_20%	0.9013	0.0494	0.9013	0.8061	0.3330
anuran-genus_20%	0.8414	0.0396	0.8414	0.7405	0.4039
anuran-species_20%	0.8458	0.0308	0.8458	0.7870	0.2750
aps-failure_20%	0.9822	0.0178	0.9822	0.0545	0.1464
auction_20%	0.9020	0.0980	0.9020	0.3742	0.3680
avila_20%	0.6737	0.0544	0.6737	0.5467	0.4006
bank_20%	0.8886	0.1114	0.8886	0.0443	0.3364
banknote_20%	0.8905	0.1095	0.8905	0.7787	0.4618
barleyblumeria_20%	0.6820	0.3180	0.6820	0.1609	0.5808
basehock_20%	0.7236	0.2764	0.7236	0.4477	0.7710
biodeg_20%	0.6762	0.3238	0.6762	0.2154	0.7355
car_20%	0.7241	0.1379	0.7241	0.5152	0.5822
cardiotocography_20%	0.7512	0.0498	0.7512	0.7030	0.3388
cardiotocography-nsp_20%	0.8639	0.0908	0.8639	0.6057	0.4371
cargo2k_20%	0.9188	0.0541	0.9188	0.8782	0.2223
cas_N6512_cdk_ECFP2_20%	0.4489	0.4662	0.4130	0.0618	0.6466
census10%_20%	0.9449	0.0551	0.9449	0.1682	0.2563
cjs_20%	0.9036	0.0321	0.9036	0.8820	0.1596
clave_20%	0.8222	0.1778	0.8222	0.5017	0.6367
cmc_20%	0.4966	0.3356	0.4966	0.2262	0.7412
cnae-9_20%	0.6944	0.0679	0.6944	0.6543	0.3102
codon_usage_20%	0.5152	0.0973	0.5031	0.6446	0.5315
coil20_20%	0.8681	0.0132	0.8681	0.8611	0.0898
connect-4_20%	0.9788	0.0141	0.9788	0.4336	0.4463
cottonmeloidogyne_20%	0.5168	0.4832	0.5168	0.0417	0.7058
coupon_20%	0.6451	0.3549	0.6451	0.2692	0.8886
covtypeCD_20%	0.9081	0.0919	0.9081	0.4723	0.3191
covtypeT_20%	0.9296	0.0704	0.9296	-0.0010	0.2256
crowdsourced_20%	0.7935	0.0688	0.7935	0.5062	0.2273
default_20%	0.7787	0.2213	0.7787	0.0027	0.4084
deposit_20%	0.8832	0.1168	0.8832	0.0033	0.2488
diabetic10%_20%	0.5295	0.3137	0.5295	-0.0032	0.5082
dropout_20%	0.7111	0.1926	0.7111	0.4969	0.5178

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.1330	0.2477	0.1330	0.0216	0.7259
drug-02_20%	0.3830	0.1763	0.3830	0.1518	0.7719
drug-03_20%	0.5851	0.1185	0.5851	-0.0064	0.7251
drug-04_20%	0.4362	0.1611	0.4362	0.1028	0.7760
drug-05_20%	0.6383	0.1033	0.6383	0.0482	0.7825
drug-06_20%	0.2979	0.2006	0.2979	0.1459	0.7564
drug-07_20%	0.1543	0.2416	0.1543	-0.0311	0.8366
drug-08_20%	0.4415	0.1596	0.4415	0.1135	0.7825
drug-09_20%	0.8085	0.0547	0.8085	-0.0555	0.4609
drug-10_20%	0.4415	0.1596	0.4415	0.1647	0.8229
drug-11_20%	0.8032	0.0562	0.8032	0.1169	0.7753
drug-12_20%	0.7553	0.0699	0.7553	0.0269	0.6828
drug-13_20%	0.5000	0.1429	0.5000	0.1961	0.8245
drug-14_20%	0.5106	0.1398	0.5106	0.1932	0.7552
drug-15_20%	0.6596	0.0973	0.6596	0.1811	0.8340
drug-16_20%	0.5266	0.1353	0.5266	0.2701	0.7492
drug-17_20%	0.2766	0.2067	0.2766	0.1142	0.7765
drug-18_20%	0.9840	0.0064	0.9840	-0.0036	0.0076
drug-19_20%	0.6489	0.1003	0.6489	0.0165	0.7973
drybean_20%	0.8597	0.0401	0.8597	0.8302	0.1942
eeg_20%	0.1609	0.1049	0.1609	0.0953	0.5032
eeg-eye_20%	0.5501	0.4499	0.5501	-0.0010	0.5426
euthyroid_20%	0.8924	0.1076	0.8924	-0.0176	0.5304
fbis-wc_20%	0.1220	0.1033	0.1220	0.0371	0.5104
fonts10%_20%	0.5375	0.0062	0.4788	0.4411	0.8206
gas_20%	0.6233	0.1256	0.6233	0.5517	0.3389
gender_20%	0.5768	0.2821	0.5768	-0.0109	0.5113
gene_20%	0.7539	0.1640	0.7539	0.6005	0.5138
german_20%	0.6200	0.3800	0.6200	-0.0411	0.8070
gina_20%	0.5937	0.4063	0.5937	0.1791	0.8586
hapt_20%	0.7987	0.0335	0.7987	0.7629	0.3645
hiv1-proteasa_20%	0.7707	0.2293	0.7707	0.2690	0.7647
hiva_20%	0.9362	0.0638	0.9362	0.0959	0.6132
htru2_20%	0.9715	0.0285	0.9715	0.8060	0.1738
hypothyroid_20%	0.9708	0.0146	0.9708	0.8354	0.4207
hypothyroidT_20%	0.9841	0.0159	0.9841	0.8843	0.2144
isolet_20%	0.6008	0.0307	0.6008	0.5848	0.3405
jm1_20%	0.8108	0.1892	0.8108	0.0539	0.4231
jvowels_20%	0.5974	0.0895	0.5974	0.5419	0.3603
kc1_20%	0.8389	0.1611	0.8389	0.1892	0.6862
krkopt_20%	0.6146	0.0428	0.6146	0.5739	0.6865
krvskp_20%	0.7179	0.2821	0.7179	0.4341	0.7961
la1s-wc_20%	0.3187	0.2725	0.3187	0.0224	0.5060
la2s-wc_20%	0.1071	0.3571	0.1071	-0.0104	0.5055
letter_20%	0.6835	0.0243	0.6835	0.6707	0.2993
madelon_20%	0.4538	0.5462	0.4538	-0.0923	1.0000
magic04_20%	0.6523	0.3477	0.6523	0.0136	0.4739
maternal_20%	0.7426	0.1716	0.7426	0.6091	0.4970
messidor_20%	0.5130	0.4870	0.5130	0.0891	0.8573
mfeat-fac_20%	0.7550	0.0490	0.7550	0.7264	0.2799
mfeat-fou_20%	0.5350	0.0930	0.5350	0.4812	0.4628
mfeat-kar_20%	0.6300	0.0740	0.6300	0.5881	0.3926
mfeat-mor_20%	0.6000	0.0800	0.6000	0.5548	0.3351
mfeat-pix_20%	0.8350	0.0330	0.8350	0.8161	0.2013
mfeat-zer_20%	0.5600	0.0880	0.5600	0.5103	0.4258
mice-prot_20%	0.8241	0.0440	0.8241	0.7987	0.2148
mobile_20%	0.8007	0.0071	0.8007	0.7971	0.0906
mushroom_20%	0.8510	0.1490	0.8510	0.4651	0.5868

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.8485	0.1515	0.8485	0.0700	0.4336
MUT_ci300400a_20%	0.5891	0.4412	0.4770	0.0060	0.6423
MUT_ci300400a.cdk.ECFP2_20%	0.4848	0.4733	0.5910	-0.0750	0.6765
myocardial_20%	0.8471	0.0382	0.8471	0.3207	0.5540
naticusdroid_20%	0.9356	0.0644	0.9356	0.8711	0.3035
newspop_20%	0.5323	0.4677	0.5323	0.0001	0.5331
NHANES_age_prediction_20%	0.9168	0.1430	0.8427	0.8809	0.0819
nomao_20%	0.8958	0.1042	0.8958	0.7323	0.4530
nursery_20%	0.8025	0.0790	0.8025	0.6701	0.4224
obs_20%	0.8796	0.0602	0.8796	0.8237	0.2495
occupancy_20%	0.9854	0.0146	0.9854	0.9594	0.1480
Occupancy_Estimation_20%	0.8922	0.0051	0.8185	0.7720	0.1450
oh0-wc_20%	0.1100	0.1780	0.1100	0.0103	0.4691
oh10-wc_20%	0.0667	0.1867	0.0667	-0.0015	0.4510
optdigits_20%	0.8025	0.0395	0.8025	0.7805	0.2518
optdigitsZ_20%	0.9662	0.0338	0.9662	0.8038	0.4132
ozone1hr_20%	0.9368	0.0632	0.9368	-0.0321	0.6277
ozone8hr_20%	0.9170	0.0830	0.9170	-0.0145	0.5062
P-Glycoprotein_b_Inhibitor_20%	0.8132	0.3025	0.8096	0.3529	0.6781
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.7842	0.2423	0.6882	0.4998	0.6713
p53-mutants10%_20%	0.8535	0.1465	0.8535	-0.0063	0.0468
page-blocks_20%	0.9689	0.0124	0.9689	0.8187	0.2490
parkinson_20%	0.9000	0.1000	0.9000	0.7930	0.4396
pc1_20%	0.9009	0.0991	0.9009	-0.0409	0.6902
pcmac_20%	0.4485	0.5515	0.4485	-0.1645	1.0000
pendigits_20%	0.8490	0.0302	0.8490	0.8320	0.2143
phishing_20%	0.7469	0.2531	0.7469	0.4843	0.7477
phoneme_20%	0.7148	0.2852	0.7148	-0.0037	0.4764
phy_20%	0.5030	0.4970	0.5030	0.0004	0.5459
polish-1st_20%	0.9531	0.0469	0.9531	-0.0142	0.5586
polish-2nd_20%	0.9577	0.0423	0.9577	-0.0055	0.3813
polish-3rd_20%	0.9476	0.0524	0.9476	-0.0087	0.4454
polish-4th_20%	0.9439	0.0561	0.9439	-0.0058	0.3707
polish-5th_20%	0.9442	0.0558	0.9442	0.3976	0.4050
polya_20%	0.6454	0.3546	0.6454	0.0250	0.6001
popularity_20%	0.6300	0.2467	0.6300	-0.0000	0.3501
postures_20%	0.6585	0.1366	0.6585	0.5717	0.3064
re0-wc_20%	0.0733	0.1426	0.0733	-0.0136	0.3810
re1-wc_20%	0.1758	0.0659	0.1758	0.0245	0.4748
rejafada_20%	0.9497	0.0503	0.9497	0.1415	0.6217
relathe_20%	0.7817	0.2183	0.7817	0.5576	0.6954
rocket_20%	0.5864	0.4136	0.5864	-0.0103	0.6054
satimage_20%	0.7636	0.0788	0.7636	0.7084	0.3261
satimageF_20%	0.9627	0.0373	0.9627	0.7800	0.2065
satimageT_20%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_20%	0.7500	0.2500	0.7500	-0.0533	0.4929
secondary_mushroom_20%	0.5703	0.5702	0.4159	0.2302	0.6497
segment_20%	0.8268	0.0495	0.8268	0.7974	0.2087
segmentO_20%	0.8874	0.1126	0.8874	0.4259	0.5172
seismic_20%	0.9302	0.0698	0.9302	-0.0074	0.3980
semeion_20%	0.8616	0.1384	0.8616	0.4706	0.6014
sens-1-gram_20%	0.8632	0.1368	0.8632	-0.0102	0.4508
sens-2-gram_20%	0.8447	0.1553	0.8447	-0.0154	0.6965
sens-3-gram_20%	0.8000	0.2000	0.8000	0.0069	0.7913
sens-4-gram_20%	0.8026	0.1974	0.8026	0.1436	0.7639
sensorless_20%	0.8456	0.0281	0.8456	0.8299	0.1354
shoppers_20%	0.8678	0.1322	0.8678	0.2440	0.3912
shuttle_20%	0.9976	0.0007	0.9976	0.9931	0.1326

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.9310	0.0690	0.9310	-0.0051	0.3478
solar-flare_20%	0.6619	0.1127	0.6619	0.5671	0.4115
spambase_20%	0.6174	0.3826	0.6174	0.0482	0.6072
splice-EI_20%	0.7792	0.2208	0.7792	0.4717	0.7178
splice-IE_20%	0.7760	0.2240	0.7760	0.4249	0.7448
sport-articles_20%	0.7500	0.2500	0.7500	0.4148	0.7014
steel_industry_20%	0.6876	0.0961	0.8178	0.7491	0.4030
steel-b_20%	0.7795	0.2205	0.7795	0.0332	0.6592
steel-d_20%	0.9333	0.0667	0.9333	-0.0343	0.5760
steel-k_20%	0.9385	0.0615	0.9385	0.8002	0.3337
steel-o_20%	0.6359	0.3641	0.6359	-0.0126	0.7329
steel-p_20%	0.9179	0.0821	0.9179	0.0000	0.1945
steel-s_20%	0.9641	0.0359	0.9641	0.3491	0.4092
steel-z_20%	0.8923	0.1077	0.8923	-0.0189	0.5434
swarm_aligned_20%	0.8646	0.1897	0.8013	0.8419	0.2043
swarm_flocking_20%	0.9024	0.0813	0.9413	0.9903	0.1689
swarm_grouped_20%	0.9500	0.0574	0.9663	0.8860	0.1282
texture_20%	0.7491	0.0456	0.7491	0.7239	0.2465
theorem_20%	0.6121	0.3879	0.6121	0.0825	0.5290
tis_20%	0.7524	0.2476	0.7524	0.0150	0.4861
titanic_20%	0.7864	0.2136	0.7864	0.4827	0.7069
tuandromd_20%	0.9574	0.0426	0.9574	0.8694	0.3168
wap-wc_20%	0.0256	0.0974	0.0256	0.0019	0.4193
waveform_20%	0.6780	0.2147	0.6780	0.5165	0.5645
web-phishing_20%	0.6815	0.2123	0.6815	0.4526	0.6234
weight-lift_20%	0.4117	0.2353	0.4117	0.2741	0.3888
wifi-loc_20%	0.9050	0.0475	0.9050	0.8733	0.1875
wilt_20%	0.9462	0.0538	0.9462	-0.0077	0.4198
winequality-red_20%	0.3899	0.2034	0.3899	0.1481	0.7845
winequality-white_20%	0.3579	0.1835	0.3579	0.1271	0.7342
yeast_20%	0.3581	0.1284	0.3581	0.2517	0.6929
yeastEXC_20%	0.9459	0.0541	0.9459	-0.0278	0.5857
yeastME1_20%	0.9257	0.0743	0.9257	-0.0356	0.5013
yeastME2_20%	0.9595	0.0405	0.9595	0.3825	0.4343
zip_20%	0.5328	0.0934	0.5328	0.3344	0.7197

Table 259: Detailed results for MultiBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1343	0.0597	0.1343	0.0241	0.3294
abalone19_20%	0.9928	0.0072	0.9928	0.0000	0.0292
accelerometer_20%	0.9816	0.0184	0.9816	-0.0012	0.2266
ads_20%	0.9177	0.0823	0.9177	0.5683	0.3420
adult_20%	0.7989	0.2011	0.7989	0.2178	0.3951
AID_1431_20%	0.7731	0.2427	0.7759	-0.0522	0.6576
AID_1878_20%	0.7624	0.3686	0.8164	0.0411	0.6355
AID_602330_20%	0.7963	0.2034	0.9536	-0.1900	0.7760
AID1608Morered_20%	0.8544	0.1456	0.8544	0.0410	0.6438
AID1608red_20%	0.8447	0.1553	0.8447	-0.0785	0.5812
AID362red_20%	0.9813	0.0187	0.9813	-0.0071	0.5505
AID373AID439red_20%	0.9997	0.0003	0.9997	-0.0002	0.5011
AID373red_20%	0.9988	0.0012	0.9988	-0.0003	0.4066
AID456red_20%	0.9940	0.0060	0.9940	-0.0030	0.5141
AID604_20%	0.9959	0.0041	0.9959	-0.0009	0.3962
AID604AID644_AllRed_20%	0.8714	0.1201	0.8936	-0.0847	0.2058
AID687AID721red_20%	0.9994	0.0006	0.9994	0.0000	0.0035
AID687red_20%	0.9967	0.0033	0.9967	-0.0006	0.3287
AID688red_20%	0.9897	0.0103	0.9897	0.0638	0.4223
AID746AID1284red_20%	0.9982	0.0018	0.9982	-0.0009	0.5226
AID746red_20%	0.9931	0.0069	0.9931	-0.0015	0.3955
anuran-f-b_20%	0.9917	0.0083	0.9917	0.0000	0.0331
anuran-family_20%	0.8289	0.0855	0.8289	0.6581	0.2385
anuran-genus_20%	0.5814	0.1047	0.5814	0.0166	0.2400
anuran-species_20%	0.7139	0.0572	0.7139	0.5849	0.1780
aps-failure_20%	0.9820	0.0180	0.9820	0.0274	0.1481
auction_20%	0.8824	0.1176	0.8824	0.1270	0.2517
avila_20%	0.5347	0.0775	0.5347	0.2675	0.2518
bank_20%	0.8871	0.1129	0.8871	0.0061	0.2888
banknote_20%	0.8759	0.1241	0.8759	0.7484	0.4995
barleyblumeria_20%	0.6843	0.3157	0.6843	0.1628	0.5331
basehock_20%	0.7889	0.2111	0.7889	0.5785	0.6047
biodeg_20%	0.6667	0.3333	0.6667	0.1788	0.7059
car_20%	0.8793	0.0603	0.8793	0.7547	0.4132
cardiotocography_20%	0.6620	0.0676	0.6620	0.5786	0.2182
cardiotocography-nsp_20%	0.8122	0.1252	0.8122	0.2828	0.3611
cargo2k_20%	0.9746	0.0169	0.9746	0.9619	0.0876
cas_N6512_cdk_ECFP2_20%	0.4882	0.5527	0.4129	0.1404	0.8883
census10%_20%	0.9438	0.0561	0.9438	0.1568	0.2952
cjs_20%	0.9500	0.0167	0.9500	0.9388	0.0880
clave_20%	0.8852	0.1148	0.8852	0.6367	0.5845
cmc_20%	0.5306	0.3129	0.5306	0.2517	0.6799
cnae-9_20%	0.5370	0.1029	0.5370	0.4773	0.2526
codon_usage_20%	0.5928	0.2441	0.5977	0.3935	0.3799
coil20_20%	0.4514	0.0549	0.4514	0.4210	0.2434
connect-4_20%	0.9818	0.0121	0.9818	0.3515	0.1102
cottonmeloidogyne_20%	0.5168	0.4832	0.5168	0.0418	0.6787
coupon_20%	0.6798	0.3202	0.6798	0.3341	0.8451
covtypeCD_20%	0.9071	0.0929	0.9071	0.4666	0.3310
covtypeT_20%	0.9291	0.0709	0.9291	-0.0021	0.2627
crowdsourced_20%	0.7677	0.0774	0.7677	0.3698	0.1867
default_20%	0.7787	0.2213	0.7787	0.0027	0.4084
deposit_20%	0.8830	0.1170	0.8830	0.0000	0.2491
diabetic10%_20%	0.5393	0.3071	0.5393	0.0000	0.3426
dropout_20%	0.7065	0.1956	0.7065	0.4699	0.3733

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.4149	0.1672	0.4149	0.0340	0.3194
drug-02_20%	0.5000	0.1429	0.5000	-0.0088	0.4556
drug-03_20%	0.6702	0.0942	0.6702	-0.0062	0.4676
drug-04_20%	0.5160	0.1383	0.5160	0.0097	0.4805
drug-05_20%	0.7340	0.0760	0.7340	0.0272	0.1944
drug-06_20%	0.2394	0.2173	0.2394	-0.0073	0.4574
drug-07_20%	0.4309	0.1626	0.4309	0.0019	0.2722
drug-08_20%	0.5426	0.1307	0.5426	0.0035	0.3850
drug-09_20%	0.8511	0.0426	0.8511	0.0361	0.3312
drug-10_20%	0.5372	0.1322	0.5372	0.0130	0.3813
drug-11_20%	0.8457	0.0441	0.8457	0.0215	0.2617
drug-12_20%	0.7872	0.0608	0.7872	-0.0070	0.2247
drug-13_20%	0.5798	0.1201	0.5798	0.0066	0.2562
drug-14_20%	0.5745	0.1216	0.5745	0.0389	0.3035
drug-15_20%	0.7500	0.0714	0.7500	0.0183	0.3874
drug-16_20%	0.5106	0.1398	0.5106	-0.0019	0.4250
drug-17_20%	0.3298	0.1915	0.3298	0.0116	0.3542
drug-18_20%	0.9894	0.0043	0.9894	-0.0027	0.0076
drug-19_20%	0.7340	0.0760	0.7340	-0.0137	0.4313
drybean_20%	0.8295	0.0487	0.8295	0.7926	0.1513
eeg_20%	0.1430	0.1071	0.1430	0.0001	0.3667
eeg-eye_20%	0.5494	0.4506	0.5494	-0.0024	0.5525
euthyroid_20%	0.8956	0.1044	0.8956	0.0355	0.5206
fbis-wc_20%	0.2114	0.0928	0.2114	0.0429	0.4649
fonts10%_20%	0.3634	0.0920	0.3277	0.2722	0.3167
gas_20%	0.3817	0.2061	0.3817	0.2134	0.3416
gender_20%	0.5853	0.2765	0.5853	0.0068	0.4608
gene_20%	0.8675	0.0883	0.8675	0.7860	0.3429
german_20%	0.6500	0.3500	0.6500	0.0169	0.6125
gina_20%	0.5677	0.4323	0.5677	0.1270	0.8972
hapt_20%	0.5151	0.0808	0.5151	0.4162	0.1636
hiv1-proteasa_20%	0.8364	0.1636	0.8364	0.4494	0.6991
hiva_20%	0.9551	0.0449	0.9551	0.0765	0.5927
htru2_20%	0.9721	0.0279	0.9721	0.8092	0.1568
hypothyroid_20%	0.9867	0.0066	0.9867	0.9210	0.0927
hypothyroidT_20%	0.9814	0.0186	0.9814	0.8580	0.1669
isolet_20%	0.1772	0.0633	0.1772	0.1442	0.3672
jm1_20%	0.8099	0.1901	0.8099	0.0520	0.4433
jvowels_20%	0.1677	0.1850	0.1677	0.0066	0.3933
kc1_20%	0.8389	0.1611	0.8389	0.1323	0.6488
krkopt_20%	0.7094	0.0323	0.7094	0.6753	0.4849
krvskp_20%	0.8025	0.1975	0.8025	0.6015	0.6610
la1s-wc_20%	0.3219	0.2712	0.3219	0.0197	0.4560
la2s-wc_20%	0.3019	0.2792	0.3019	-0.0125	0.4969
letter_20%	0.1200	0.0677	0.1200	0.0853	0.3912
madelon_20%	0.5038	0.4962	0.5038	0.0077	0.9974
magic04_20%	0.6544	0.3456	0.6544	0.0213	0.4731
maternal_20%	0.7129	0.1914	0.7129	0.5576	0.4567
messidor_20%	0.5130	0.4870	0.5130	0.0930	0.8399
mfeat-fac_20%	0.3000	0.1400	0.3000	0.2403	0.3409
mfeat-fou_20%	0.2700	0.1460	0.2700	0.1760	0.3475
mfeat-kar_20%	0.2150	0.1570	0.2150	0.1326	0.4596
mfeat-mor_20%	0.6200	0.0760	0.6200	0.5762	0.2559
mfeat-pix_20%	0.8650	0.0270	0.8650	0.8494	0.1570
mfeat-zer_20%	0.3300	0.1340	0.3300	0.2507	0.3743
mice-prot_20%	0.8889	0.0278	0.8889	0.8727	0.1271
mobile_20%	0.1049	0.0320	0.1049	0.0889	0.3797
mushroom_20%	0.9236	0.0764	0.9236	0.6797	0.5271

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.8470	0.1530	0.8470	0.0546	0.4362
MUT_ci300400a_20%	0.6465	0.3216	0.5875	0.3840	0.7750
MUT_ci300400a.cdk.ECFP2_20%	0.4796	0.5177	0.5507	0.0474	0.7404
myocardial_20%	0.8706	0.0324	0.8706	0.3579	0.3413
naticusdroid_20%	0.9383	0.0617	0.9383	0.8766	0.2945
newspop_20%	0.5323	0.4677	0.5323	0.0001	0.5331
NHANES_age_prediction_20%	0.9374	0.1690	0.8227	0.8332	0.0667
nomao_20%	0.8979	0.1021	0.8979	0.7371	0.4437
nursery_20%	0.8835	0.0466	0.8835	0.7977	0.2194
obs_20%	0.7222	0.1389	0.7222	0.5564	0.1990
occupancy_20%	0.9869	0.0131	0.9869	0.9634	0.1374
Occupancy_Estimation_20%	0.8180	0.1477	0.9186	0.8786	0.0829
oh0-wc_20%	0.2000	0.1600	0.2000	0.0109	0.4374
oh10-wc_20%	0.1524	0.1695	0.1524	0.0030	0.4597
optdigits_20%	0.2936	0.1413	0.2936	0.2209	0.3742
optdigitsZ_20%	0.9769	0.0231	0.9769	0.8611	0.3239
ozone1hr_20%	0.9407	0.0593	0.9407	-0.0293	0.6345
ozone8hr_20%	0.9249	0.0751	0.9249	0.0821	0.3855
P-Glycoprotein_b_Inhibitor_20%	0.7518	0.2161	0.7511	0.5813	0.7119
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.8115	0.2435	0.6566	0.5021	0.5976
p53-mutants10%_20%	0.9076	0.0924	0.9076	-0.0062	0.0643
page-blocks_20%	0.9196	0.0322	0.9196	0.2981	0.1593
parkinson_20%	0.9333	0.0667	0.9333	0.8646	0.3141
pc1_20%	0.8829	0.1171	0.8829	-0.0587	0.7104
pcmac_20%	0.4742	0.5258	0.4742	-0.1283	1.0000
pendigits_20%	0.8662	0.0268	0.8662	0.8512	0.1201
phishing_20%	0.7878	0.2122	0.7878	0.5675	0.6805
phoneme_20%	0.7148	0.2852	0.7148	-0.0037	0.4764
phy_20%	0.5022	0.4978	0.5022	-0.0012	0.5672
polish-1st_20%	0.9602	0.0398	0.9602	-0.0028	0.2829
polish-2nd_20%	0.9607	0.0393	0.9607	0.0000	0.1131
polish-3rd_20%	0.9495	0.0505	0.9495	-0.0054	0.3653
polish-4th_20%	0.9449	0.0551	0.9449	-0.0039	0.3179
polish-5th_20%	0.9340	0.0660	0.9340	0.1225	0.2859
polya_20%	0.6422	0.3578	0.6422	0.0085	0.5669
popularity_20%	0.6305	0.2463	0.6305	0.0004	0.3366
postures_20%	0.3953	0.2419	0.3953	0.2418	0.3011
re0-wc_20%	0.3933	0.0933	0.3933	0.0035	0.3386
re1-wc_20%	0.2424	0.0606	0.2424	0.0447	0.4123
rejafada_20%	0.9698	0.0302	0.9698	0.2433	0.0927
relathe_20%	0.8732	0.1268	0.8732	0.7422	0.4809
rocket_20%	0.5893	0.4107	0.5893	-0.0058	0.5541
satimage_20%	0.6781	0.1073	0.6781	0.5888	0.3015
satimageF_20%	0.9518	0.0482	0.9518	0.6963	0.1963
satimageT_20%	0.8989	0.1011	0.8989	0.0000	0.2253
secom_20%	0.8269	0.1731	0.8269	-0.0878	0.5898
secondary_mushroom_20%	0.6314	0.4156	0.6462	0.3334	0.6948
segment_20%	0.8874	0.0322	0.8874	0.8683	0.1402
segmentO_20%	0.8701	0.1299	0.8701	0.2936	0.5564
seismic_20%	0.9380	0.0620	0.9380	0.1839	0.3687
semeion_20%	0.8868	0.1132	0.8868	0.5496	0.5820
sens-1-gram_20%	0.8684	0.1316	0.8684	0.0000	0.2696
sens-2-gram_20%	0.8579	0.1421	0.8579	0.0339	0.6032
sens-3-gram_20%	0.8500	0.1500	0.8500	0.0433	0.6838
sens-4-gram_20%	0.8526	0.1474	0.8526	0.0239	0.6527
sensorless_20%	0.5867	0.0752	0.5867	0.5488	0.1331
shoppers_20%	0.8678	0.1322	0.8678	0.2629	0.4465
shuttle_20%	0.9950	0.0014	0.9950	0.9857	0.1209

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.9310	0.0690	0.9310	-0.0051	0.3478
solar-flare_20%	0.7338	0.0887	0.7338	0.6555	0.2548
spambase_20%	0.6283	0.3717	0.6283	0.0784	0.5809
splice-EI_20%	0.8328	0.1672	0.8328	0.5796	0.6523
splice-IE_20%	0.8170	0.1830	0.8170	0.5322	0.6800
sport-articles_20%	0.7000	0.3000	0.7000	0.2757	0.7538
steel_industry_20%	0.6944	0.1599	0.7337	0.7353	0.2766
steel-b_20%	0.7846	0.2154	0.7846	0.0432	0.6130
steel-d_20%	0.9590	0.0410	0.9590	-0.0156	0.5941
steel-k_20%	0.8769	0.1231	0.8769	0.5366	0.4240
steel-o_20%	0.6359	0.3641	0.6359	-0.0214	0.7035
steel-p_20%	0.9128	0.0872	0.9128	-0.0097	0.4353
steel-s_20%	0.9641	0.0359	0.9641	0.4440	0.4982
steel-z_20%	0.8923	0.1077	0.8923	-0.0189	0.5434
swarm_aligned_20%	0.8875	0.1576	0.7928	0.8635	0.0509
swarm_flocking_20%	0.9082	0.0000	0.8824	0.9474	0.1117
swarm_grouped_20%	0.7927	0.2098	0.7967	0.8121	0.1632
texture_20%	0.5091	0.0893	0.5091	0.4588	0.2208
theorem_20%	0.6007	0.3993	0.6007	0.0511	0.5327
tis_20%	0.7547	0.2453	0.7547	0.0136	0.3973
titanic_20%	0.7955	0.2045	0.7955	0.4717	0.6111
tuandromd_20%	0.9507	0.0493	0.9507	0.8456	0.3324
wap-wc_20%	0.2115	0.0788	0.2115	-0.0030	0.3856
waveform_20%	0.3360	0.4427	0.3360	0.0033	0.5021
web-phishing_20%	0.7185	0.1877	0.7185	0.5230	0.5905
weight-lift_20%	0.3633	0.2547	0.3633	0.1202	0.3600
wifi-loc_20%	0.9550	0.0225	0.9550	0.9400	0.0983
wilt_20%	0.9462	0.0538	0.9462	-0.0077	0.4198
winequality-red_20%	0.4277	0.1908	0.4277	0.0147	0.4097
winequality-white_20%	0.4417	0.1595	0.4417	-0.0012	0.4414
yeast_20%	0.3446	0.1311	0.3446	0.1613	0.3039
yeastEXC_20%	0.9527	0.0473	0.9527	-0.0237	0.6093
yeastME1_20%	0.9392	0.0608	0.9392	0.1527	0.5461
yeastME2_20%	0.9595	0.0405	0.9595	0.3825	0.4343
zip_20%	0.5780	0.0844	0.5780	0.3807	0.5578

Table 260: Detailed results for NewtonBoost

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
abalone_20%	0.1487	0.0587	0.1487	0.0721	0.6561
abalone19_20%	0.9617	0.0383	0.9617	-0.0118	0.2730
accelerometer_20%	0.9781	0.0219	0.9781	-0.0067	0.5123
ads_20%	0.9451	0.0549	0.9451	0.7593	0.3853
adult_20%	0.8604	0.1396	0.8604	0.5830	0.5860
AID_1431_20%	0.7882	0.1531	0.7142	-0.1936	0.2495
AID_1878_20%	0.6565	0.4159	0.6547	-0.0630	0.7898
AID_602330_20%	0.8870	0.1903	0.9590	-0.0792	0.6119
AID1608Morered_20%	0.8641	0.1359	0.8641	0.2322	0.6191
AID1608red_20%	0.7184	0.2816	0.7184	-0.1018	0.4307
AID362red_20%	0.7964	0.1523	0.8237	-0.1753	0.6203
AID373AID439red_20%	0.9985	0.0015	0.9985	-0.0003	0.1522
AID373red_20%	0.9953	0.0047	0.9953	-0.0016	0.2789
AID456red_20%	0.9820	0.0180	0.9820	-0.0050	0.2334
AID604_20%	0.9809	0.1002	0.9084	0.6385	0.3447
AID604AID644_AllRed_20%	0.8027	0.1988	0.8404	0.6213	0.5157
AID687AID721red_20%	0.9927	0.0073	0.9927	-0.0011	0.1186
AID687red_20%	0.9924	0.0076	0.9924	-0.0036	0.4564
AID688red_20%	0.9886	0.0114	0.9886	0.1096	0.5202
AID746AID1284red_20%	0.9963	0.0037	0.9963	-0.0015	0.3396
AID746red_20%	0.9923	0.0077	0.9923	-0.0026	0.5039
anuran-f-b_20%	0.9722	0.0278	0.9722	0.2208	0.4197
anuran-family_20%	0.9638	0.0181	0.9638	0.9314	0.2133
anuran-genus_20%	0.9458	0.0136	0.9458	0.9108	0.2461
anuran-species_20%	0.9583	0.0083	0.9583	0.9422	0.1034
aps-failure_20%	0.8462	0.0517	0.9771	0.5707	0.4356
auction_20%	0.8676	0.1324	0.8676	0.4145	0.6820
avila_20%	0.9550	0.0075	0.9550	0.9416	0.2000
bank_20%	0.9102	0.0898	0.9102	0.5061	0.5855
banknote_20%	0.8759	0.1241	0.8759	0.7500	0.4988
barleyblumeria_20%	0.8157	0.1843	0.8157	0.5836	0.6296
basehock_20%	0.8291	0.1709	0.8291	0.6586	0.5748
biodeg_20%	0.8000	0.2000	0.8000	0.5612	0.6606
car_20%	0.8391	0.0805	0.8391	0.6940	0.4505
cardiotocography_20%	0.7840	0.0432	0.7840	0.7442	0.3223
cardiotocography-nsp_20%	0.8169	0.1221	0.8169	0.5433	0.5578
cargo2k_20%	0.9695	0.0203	0.9695	0.9543	0.1003
cas_N6512_cdk_ECFP2_20%	0.6537	0.3601	0.5904	0.4064	0.7389
census10%_20%	0.9438	0.0561	0.9438	0.3192	0.5084
cjs_20%	0.9464	0.0179	0.9464	0.9347	0.1028
clave_20%	0.9907	0.0093	0.9907	0.9672	0.1370
cmc_20%	0.4490	0.3673	0.4490	0.1345	0.7887
cnae-9_20%	0.7870	0.0473	0.7870	0.7588	0.2121
codon_usage_20%	0.8965	0.1341	0.8379	0.8640	0.0938
coil20_20%	0.8889	0.0111	0.8889	0.8830	0.0735
connect-4_20%	0.9824	0.0117	0.9824	0.4115	0.1786
cottonmeloidogyne_20%	0.7067	0.2933	0.7067	0.4138	0.8089
coupon_20%	0.6877	0.3123	0.6877	0.3552	0.8390
covtypeCD_20%	0.9677	0.0323	0.9677	0.8595	0.2767
covtypeT_20%	0.9626	0.0374	0.9626	0.6754	0.3859
crowdsourced_20%	0.9226	0.0258	0.9226	0.8397	0.2650
default_20%	0.8203	0.1797	0.8203	0.3817	0.6669
deposit_20%	0.8989	0.1011	0.8989	0.4278	0.6037
diabetic10%_20%	0.5530	0.2980	0.5530	0.1302	0.6602
dropout_20%	0.7111	0.1926	0.7111	0.5238	0.5459

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
drug-01_20%	0.2660	0.2097	0.2660	-0.0276	0.8611
drug-02_20%	0.3883	0.1748	0.3883	0.0787	0.8621
drug-03_20%	0.6223	0.1079	0.6223	0.0642	0.6280
drug-04_20%	0.4202	0.1657	0.4202	0.0919	0.8479
drug-05_20%	0.6543	0.0988	0.6543	-0.0125	0.8818
drug-06_20%	0.2606	0.2112	0.2606	0.1041	0.7824
drug-07_20%	0.3457	0.1869	0.3457	-0.0106	0.7507
drug-08_20%	0.4628	0.1535	0.4628	0.1069	0.8620
drug-09_20%	0.7979	0.0578	0.7979	0.0703	0.6485
drug-10_20%	0.4787	0.1489	0.4787	0.1628	0.8280
drug-11_20%	0.7766	0.0638	0.7766	0.1204	0.7423
drug-12_20%	0.7553	0.0699	0.7553	0.0561	0.5881
drug-13_20%	0.5691	0.1231	0.5691	0.2359	0.7638
drug-14_20%	0.4840	0.1474	0.4840	0.1794	0.8404
drug-15_20%	0.6649	0.0957	0.6649	0.0915	0.8405
drug-16_20%	0.5213	0.1368	0.5213	0.2541	0.6490
drug-17_20%	0.2926	0.2021	0.2926	0.1026	0.8428
drug-18_20%	0.9734	0.0106	0.9734	-0.0043	0.0076
drug-19_20%	0.6649	0.0957	0.6649	0.0891	0.6994
drybean_20%	0.9089	0.0260	0.9089	0.8896	0.1469
eeg_20%	0.4980	0.0627	0.4980	0.4446	0.6588
eeg-eye_20%	0.7997	0.2003	0.7997	0.5926	0.6634
euthyroid_20%	0.9367	0.0633	0.9367	0.6873	0.5322
fbis-wc_20%	0.1911	0.0952	0.1911	-0.0137	0.5047
fonts10%_20%	0.3233	0.0141	0.5196	0.4306	0.5409
gas_20%	0.9712	0.0096	0.9712	0.9651	0.0682
gender_20%	0.5263	0.3158	0.5263	0.0644	0.7636
gene_20%	0.8454	0.1030	0.8454	0.7509	0.3790
german_20%	0.6200	0.3800	0.6200	0.1183	0.9261
gina_20%	0.8098	0.1902	0.8098	0.6198	0.6436
hapt_20%	0.9296	0.0117	0.9296	0.9168	0.1647
hiv1-proteasa_20%	0.8280	0.1720	0.8280	0.3337	0.7300
hiva_20%	0.9054	0.0946	0.9054	0.0463	0.5287
htru2_20%	0.9704	0.0296	0.9704	0.8134	0.3080
hypothyroid_20%	0.9469	0.0265	0.9469	0.7264	0.4356
hypothyroidT_20%	0.9496	0.0504	0.9496	0.6506	0.5152
isolet_20%	0.8447	0.0119	0.8447	0.8385	0.1426
jm1_20%	0.8154	0.1846	0.8154	0.1887	0.6345
jvowels_20%	0.9267	0.0163	0.9267	0.9170	0.1219
kc1_20%	0.8009	0.1991	0.8009	0.2266	0.7717
krkopt_20%	0.6916	0.0343	0.6916	0.6537	0.3462
krvskp_20%	0.8746	0.1254	0.8746	0.7479	0.5023
la1s-wc_20%	0.3219	0.2712	0.3219	0.0197	0.4560
la2s-wc_20%	0.3019	0.2792	0.3019	-0.0125	0.4969
letter_20%	0.8840	0.0089	0.8840	0.8793	0.1368
madelon_20%	0.5192	0.4808	0.5192	0.0385	0.9856
magic04_20%	0.8617	0.1383	0.8617	0.6847	0.5245
maternal_20%	0.7426	0.1716	0.7426	0.6054	0.4897
messidor_20%	0.6087	0.3913	0.6087	0.2093	0.9190
mfeat-fac_20%	0.9100	0.0180	0.9100	0.8994	0.1059
mfeat-fou_20%	0.8150	0.0370	0.8150	0.7932	0.1594
mfeat-kar_20%	0.8650	0.0270	0.8650	0.8498	0.1617
mfeat-mor_20%	0.6150	0.0770	0.6150	0.5713	0.3514
mfeat-pix_20%	0.9350	0.0130	0.9350	0.9274	0.0797
mfeat-zer_20%	0.7100	0.0580	0.7100	0.6770	0.2554
mice-prot_20%	0.9167	0.0208	0.9167	0.9046	0.0984
mobile_20%	0.2692	0.0261	0.2692	0.2560	0.3391
mushroom_20%	0.9778	0.0222	0.9778	0.8898	0.3281

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Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
musk_20%	0.8939	0.1061	0.8939	0.5663	0.5813
MUT_ci300400a_20%	0.6627	0.3491	0.7210	0.6505	0.5855
MUT_ci300400a.cdk.ECFP2_20%	0.7690	0.2081	0.7895	0.5149	0.7317
myocardial_20%	0.8706	0.0324	0.8706	0.3730	0.3009
naticusdroid_20%	0.9608	0.0392	0.9608	0.9216	0.2200
newspop_20%	0.6461	0.3539	0.6461	0.2861	0.8844
NHANES_age_prediction_20%	0.8750	0.0492	0.9132	0.9308	0.0881
nomao_20%	0.9515	0.0485	0.9515	0.8802	0.2840
nursery_20%	0.9660	0.0136	0.9660	0.9357	0.0418
obs_20%	0.8796	0.0602	0.8796	0.8241	0.2693
occupancy_20%	0.9825	0.0175	0.9825	0.9513	0.1667
Occupancy_Estimation_20%	0.9745	0.1812	0.9985	0.7971	0.0144
oh0-wc_20%	0.2000	0.1600	0.2000	0.0114	0.4351
oh10-wc_20%	0.1524	0.1695	0.1524	0.0030	0.4597
optdigits_20%	0.9342	0.0132	0.9342	0.9268	0.0914
optdigitsZ_20%	0.9520	0.0480	0.9520	0.7508	0.4880
ozone1hr_20%	0.8893	0.1107	0.8893	0.0177	0.4890
ozone8hr_20%	0.8735	0.1265	0.8735	0.0895	0.6920
P-Glycoprotein_b_Inhibitor_20%	0.6501	0.1991	0.6377	0.5533	0.6536
P-Glycoprotein_c_RDkit_AtomPair_FP_20%	0.6567	0.2164	0.7441	0.6749	0.5646
p53-mutants10%_20%	0.8949	0.1051	0.8949	-0.0062	0.0585
page-blocks_20%	0.9415	0.0234	0.9415	0.7146	0.5303
parkinson_20%	0.9417	0.0583	0.9417	0.8789	0.2994
pc1_20%	0.8378	0.1622	0.8378	0.1703	0.6131
pcmac_20%	0.5000	0.5000	0.5000	-0.0334	0.9991
pendigits_20%	0.9618	0.0076	0.9618	0.9575	0.0659
phishing_20%	0.8449	0.1551	0.8449	0.6709	0.5786
phoneme_20%	0.8370	0.1630	0.8370	0.6019	0.6373
phy_20%	0.5601	0.2638	0.5926	0.2843	0.8750
polish-1st_20%	0.9445	0.0555	0.9445	0.1422	0.6288
polish-2nd_20%	0.9469	0.0531	0.9469	0.0758	0.6230
polish-3rd_20%	0.9352	0.0648	0.9352	0.1185	0.6413
polish-4th_20%	0.9367	0.0633	0.9367	0.2788	0.6227
polish-5th_20%	0.9188	0.0812	0.9188	0.4109	0.6325
polya_20%	0.7805	0.2195	0.7805	0.5070	0.7123
popularity_20%	0.5871	0.2271	0.4970	0.2594	0.5819
postures_20%	0.8492	0.1392	0.9354	0.8782	0.1205
re0-wc_20%	0.4000	0.0923	0.4000	0.0165	0.3345
re1-wc_20%	0.2424	0.0606	0.2424	0.0447	0.4123
rejafada_20%	0.9548	0.0452	0.9548	0.4477	0.5853
relathe_20%	0.8944	0.1056	0.8944	0.7854	0.4252
rocket_20%	0.6575	0.3425	0.6575	0.3017	0.8689
satimage_20%	0.8880	0.0373	0.8880	0.8615	0.1855
satimageF_20%	0.9705	0.0295	0.9705	0.8467	0.3153
satimageT_20%	0.9145	0.0855	0.9145	0.4592	0.5827
secom_20%	0.8462	0.1538	0.8462	-0.0021	0.6148
secondary_mushroom_20%	0.9159	0.2144	0.9935	0.9626	0.1724
segment_20%	0.8658	0.0383	0.8658	0.8430	0.1960
segmentO_20%	0.8961	0.1039	0.8961	0.6143	0.5927
seismic_20%	0.8798	0.1202	0.8798	0.1413	0.6565
semeion_20%	0.9057	0.0943	0.9057	0.5830	0.5895
sens-1-gram_20%	0.7763	0.2237	0.7763	0.0128	0.7813
sens-2-gram_20%	0.7921	0.2079	0.7921	0.0825	0.7743
sens-3-gram_20%	0.8368	0.1632	0.8368	0.1222	0.7511
sens-4-gram_20%	0.8368	0.1632	0.8368	0.1574	0.7501
sensorless_20%	0.9783	0.0039	0.9783	0.9761	0.0448
shoppers_20%	0.8889	0.1111	0.8889	0.5236	0.5839
shuttle_20%	0.9957	0.0012	0.9957	0.9878	0.2968

Continued on next page

Dataset	Accuracy	Error rate	F1-macro	Kappa	CEN
sick_20%	0.9257	0.0743	0.9257	0.4778	0.6118
solar-flare_20%	0.6978	0.1007	0.6978	0.6110	0.3275
spambase_20%	0.8957	0.1043	0.8957	0.7789	0.4404
splice-EI_20%	0.8675	0.1325	0.8675	0.6830	0.5519
splice-IE_20%	0.8202	0.1798	0.8202	0.5422	0.6726
sport-articles_20%	0.7500	0.2500	0.7500	0.4484	0.7619
steel_industry_20%	0.8100	0.0534	0.8984	0.8025	0.3822
steel-b_20%	0.7436	0.2564	0.7436	0.3246	0.7676
steel-d_20%	0.9282	0.0718	0.9282	0.0900	0.5501
steel-k_20%	0.8923	0.1077	0.8923	0.6787	0.5527
steel-o_20%	0.7077	0.2923	0.7077	0.3453	0.8296
steel-p_20%	0.8308	0.1692	0.8308	0.2429	0.6223
steel-s_20%	0.9282	0.0718	0.9282	0.3286	0.5880
steel-z_20%	0.8974	0.1026	0.8974	0.5091	0.6242
swarm_aligned_20%	0.8607	0.1287	0.8357	1.0000	0.1264
swarm_flocking_20%	0.8056	0.1425	0.9769	1.0000	0.1596
swarm_grouped_20%	0.8584	0.0019	0.8907	0.8097	0.0178
texture_20%	0.9582	0.0076	0.9582	0.9539	0.0643
theorem_20%	0.9820	0.0180	0.9820	0.9630	0.1256
tis_20%	0.8930	0.1070	0.8930	0.7030	0.5027
titanic_20%	0.7864	0.2136	0.7864	0.4827	0.7069
tuandromd_20%	0.9574	0.0426	0.9574	0.8626	0.2594
wap-wc_20%	0.2115	0.0788	0.2115	-0.0030	0.3856
waveform_20%	0.7900	0.1400	0.7900	0.6850	0.4456
web-phishing_20%	0.7333	0.1778	0.7333	0.5404	0.5725
weight-lift_20%	0.9219	0.0604	0.8454	0.8569	0.0248
wifi-loc_20%	0.9000	0.0500	0.9000	0.8667	0.2125
wilt_20%	0.9627	0.0373	0.9627	0.6810	0.5273
winequality-red_20%	0.5283	0.1572	0.5283	0.3106	0.7208
winequality-white_20%	0.5337	0.1332	0.5337	0.2980	0.7445
yeast_20%	0.4392	0.1122	0.4392	0.2847	0.6655
yeastEXC_20%	0.8716	0.1284	0.8716	-0.0446	0.3575
yeastME1_20%	0.9054	0.0946	0.9054	0.2684	0.4333
yeastME2_20%	0.8851	0.1149	0.8851	0.1360	0.5665
zip_20%	0.5888	0.0822	0.5888	0.4053	0.6514

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