

Dataset	kNN (1)	SB (2)	OSB (3)	KNORAU (4)	DESIRE (5)
<i>glass-0-1-4-6-vs-2</i>	0.518 ± 0.062	0.514 ± 0.052	0.721 ± 0.110	0.516 ± 0.056	0.729 ± 0.121
<i>ecoli-0-6-7-vs-3-5</i>	[—] 0.792 ± 0.119	[—] 0.797 ± 0.120	^{1,2,4} 0.846 ± 0.095	[—] 0.795 ± 0.117	^{1,2,4} 0.887 ± 0.073
<i>ecoli-0-3-4-7-vs-5-6</i>	[—] 0.869 ± 0.097	[—] 0.877 ± 0.086	^{1,4} 0.899 ± 0.072	[—] 0.879 ± 0.086	^{all} 0.880 ± 0.068
<i>glass4</i>	[—] 0.750 ± 0.158	[—] 0.755 ± 0.155	⁵ 0.929 ± 0.100	[—] 0.789 ± 0.158	[—] 0.907 ± 0.099
<i>glass-0-6-vs-5</i>	[—] 0.714 ± 0.194	[—] 0.709 ± 0.191	^{all} 0.920 ± 0.139	^{1,2} 0.714 ± 0.195	^{1,2,4} 0.952 ± 0.080
<i>vowel0</i>	[—] 0.970 ± 0.038	[—] 0.975 ± 0.036	^{1,2,4} 0.999 ± 0.001	[—] 0.979 ± 0.036	^{1,2,4} 0.972 ± 0.027
<i>ecoli4</i>	[—] 0.894 ± 0.100	[—] 0.894 ± 0.103	^{all} 0.916 ± 0.097	^{1,5} 0.894 ± 0.103	[—] 0.944 ± 0.047
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	[—] 0.635 ± 0.077	[—] 0.644 ± 0.089	[—] 0.900 ± 0.060	[—] 0.653 ± 0.099	^{1,2,4} 0.660 ± 0.094
<i>shuttle-c0-vs-c4</i>	[—] 0.996 ± 0.008	[—] 0.996 ± 0.008	^{all} 0.996 ± 0.008	¹ 0.996 ± 0.008	¹ 0.998 ± 0.006
<i>ecoli-0-3-4-vs-5</i>	[—] 0.903 ± 0.105	[—] 0.908 ± 0.106	[—] 0.916 ± 0.100	[—] 0.911 ± 0.098	[—] 0.902 ± 0.093
<i>yeast-0-3-5-9-vs-7-8</i>	[—] 0.641 ± 0.058	[—] 0.629 ± 0.047	⁵ 0.715 ± 0.057	⁵ 0.629 ± 0.049	[—] 0.700 ± 0.070
<i>ecoli-0-2-6-7-vs-3-5</i>	[—] 0.797 ± 0.125	[—] 0.817 ± 0.120	^{1,2,4} 0.859 ± 0.092	[—] 0.813 ± 0.119	^{1,2,4} 0.880 ± 0.069
<i>ecoli-0-6-7-vs-5</i>	[—] 0.840 ± 0.108	¹ 0.843 ± 0.105	¹ 0.876 ± 0.099	¹ 0.838 ± 0.103	^{1,2,4} 0.859 ± 0.089
<i>page-blocks-1-3-vs-4</i>	[—] 0.818 ± 0.106	[—] 0.840 ± 0.099	⁵ 0.931 ± 0.067	[—] 0.845 ± 0.101	[—] 0.939 ± 0.034
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	[—] 0.892 ± 0.042	¹ 0.895 ± 0.041	^{1,2,4} 0.898 ± 0.040	¹ 0.893 ± 0.041	^{1,2,4} 0.886 ± 0.029
<i>ecoli-0-2-3-4-vs-5</i>	[—] 0.890 ± 0.083	[—] 0.895 ± 0.081	⁵ 0.913 ± 0.078	[—] 0.895 ± 0.085	[—] 0.903 ± 0.073
<i>glass5</i>	[—] 0.648 ± 0.165	[—] 0.649 ± 0.165	⁵ 0.819 ± 0.197	[—] 0.648 ± 0.165	[—] 0.909 ± 0.121
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	[—] 0.756 ± 0.042	[—] 0.758 ± 0.044	^{1,2,4} 0.799 ± 0.046	[—] 0.756 ± 0.045	^{1,2,4} 0.766 ± 0.038
<i>ecoli-0-3-4-6-vs-5</i>	[—] 0.895 ± 0.094	⁴ 0.898 ± 0.095	^{all} 0.916 ± 0.088	[—] 0.895 ± 0.094	[—] 0.895 ± 0.082
<i>ecoli-0-1-vs-5</i>	[—] 0.891 ± 0.089	[—] 0.894 ± 0.090	⁵ 0.919 ± 0.073	[—] 0.891 ± 0.089	[—] 0.912 ± 0.071
<i>yeast4</i>	[—] 0.555 ± 0.043	[—] 0.554 ± 0.041	⁵ 0.725 ± 0.073	[—] 0.561 ± 0.047	[—] 0.813 ± 0.064
<i>shuttle-c2-vs-c4</i>	[—] 0.585 ± 0.177	[—] 0.585 ± 0.177	^{1,2,4} 0.995 ± 0.034	[—] 0.585 ± 0.177	^{all} 0.995 ± 0.034
<i>yeast-1-2-8-9-vs-7</i>	[—] 0.508 ± 0.024	[—] 0.508 ± 0.024	^{1,2,4} 0.636 ± 0.092	[—] 0.509 ± 0.026	^{1,2,4} 0.687 ± 0.088
<i>ecoli-0-1-4-7-vs-5-6</i>	[—] 0.865 ± 0.098	[—] 0.873 ± 0.088	^{1,2,4} 0.908 ± 0.069	[—] 0.875 ± 0.085	^{all} 0.889 ± 0.058
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	[—] 0.833 ± 0.100	[—] 0.831 ± 0.099	⁵ 0.856 ± 0.081	[—] 0.833 ± 0.100	[—] 0.851 ± 0.069
<i>yeast-2-vs-4</i>	[—] 0.820 ± 0.066	[—] 0.822 ± 0.066	[—] 0.877 ± 0.063	[—] 0.822 ± 0.066	[—] 0.877 ± 0.057
<i>glass-0-4-vs-5</i>	[—] 0.744 ± 0.204	[—] 0.744 ± 0.204	^{1,2,4} 0.972 ± 0.064	[—] 0.759 ± 0.195	^{1,2,4} 0.950 ± 0.033
<i>glass-0-1-6-vs-2</i>	[—] 0.522 ± 0.062	[—] 0.517 ± 0.056	^{all} 0.700 ± 0.117	[—] 0.519 ± 0.057	^{1,2,4} 0.735 ± 0.104
<i>glass-0-1-5-vs-2</i>	[—] 0.533 ± 0.066	[—] 0.525 ± 0.060	^{1,2,4} 0.694 ± 0.139	[—] 0.530 ± 0.073	^{1,2,4} 0.690 ± 0.130
<i>yeast6</i>	[—] 0.757 ± 0.091	[—] 0.755 ± 0.090	^{1,2,4} 0.821 ± 0.092	[—] 0.756 ± 0.091	^{1,2,4} 0.882 ± 0.056
<i>ecoli-0-1-3-7-vs-2-6</i>	[—] 0.850 ± 0.200	[—] 0.849 ± 0.200	^{1,2,4} 0.839 ± 0.196	[—] 0.849 ± 0.199	^{all} 0.815 ± 0.195
<i>yeast-1-vs-7</i>	^{3,5} 0.529 ± 0.043	^{3,5} 0.535 ± 0.047	⁵ 0.673 ± 0.107	^{3,5} 0.541 ± 0.048	[—] 0.662 ± 0.099
<i>glass-0-1-6-vs-5</i>	[—] 0.668 ± 0.151	[—] 0.658 ± 0.149	^{1,2,4} 0.888 ± 0.148	[—] 0.664 ± 0.148	^{1,2,4} 0.903 ± 0.129
<i>yeast-2-vs-8</i>	[—] 0.774 ± 0.114	[—] 0.774 ± 0.114	^{1,2,4} 0.785 ± 0.118	[—] 0.774 ± 0.114	^{all} 0.805 ± 0.104
<i>glass2</i>	[—] 0.547 ± 0.083	[—] 0.520 ± 0.066	^{1,2,4} 0.738 ± 0.123	[—] 0.525 ± 0.072	^{1,2,4} 0.755 ± 0.102
<i>ecoli-0-1-4-6-vs-5</i>	⁴ 0.886 ± 0.091	[—] 0.892 ± 0.090	^{1,2,4} 0.919 ± 0.075	[—] 0.894 ± 0.091	^{1,2,4} 0.905 ± 0.070
<i>yeast-0-5-6-7-9-vs-4</i>	[—] 0.649 ± 0.074	[—] 0.654 ± 0.072	⁵ 0.801 ± 0.059	[—] 0.661 ± 0.073	[—] 0.794 ± 0.050
<i>ecoli-0-1-vs-2-3-5</i>	[—] 0.833 ± 0.093	[—] 0.832 ± 0.095	^{1,2,4} 0.883 ± 0.092	[—] 0.823 ± 0.101	^{1,2,4} 0.864 ± 0.085
<i>yeast5</i>	[—] 0.821 ± 0.064	[—] 0.833 ± 0.063	^{all} 0.940 ± 0.051	[—] 0.833 ± 0.066	^{1,2,4} 0.978 ± 0.011
<i>yeast-1-4-5-8-vs-7</i>	[—] 0.501 ± 0.010	[—] 0.501 ± 0.010	^{1,2,4} 0.577 ± 0.081	¹ 0.501 ± 0.010	^{all} 0.627 ± 0.099
<i>ecoli-0-4-6-vs-5</i>	[—] 0.901 ± 0.084	[—] 0.904 ± 0.085	^{1,2,4} 0.915 ± 0.083	[—] 0.906 ± 0.084	^{all} 0.904 ± 0.079
	[—]	[—]	⁵	[—]	[—]

Table 1: Results for BAC metric

Dataset	kNN (1)	SB (2)	OSB (3)	KNORAU (4)	DESIRE (5)
<i>glass-0-1-4-6-vs-2</i>	0.098 ± 0.210	0.083 ± 0.189	0.679 ± 0.182	0.094 ± 0.201	0.714 ± 0.148
<i>ecoli-0-6-7-vs-3-5</i>	— 0.750 ± 0.159	— 0.751 ± 0.183	^{1,2,4} 0.830 ± 0.117	— 0.749 ± 0.180	^{1,2,4} 0.882 ± 0.078
<i>ecoli-0-3-4-7-vs-5-6</i>	— 0.852 ± 0.116	— 0.863 ± 0.100	^{1,4} 0.893 ± 0.079	— 0.866 ± 0.099	<i>all</i> 0.875 ± 0.072
<i>glass4</i>	— 0.641 ± 0.310	— 0.655 ± 0.298	⁵ 0.921 ± 0.115	— 0.706 ± 0.293	— 0.900 ± 0.112
<i>glass-0-6-vs-5</i>	— 0.521 ± 0.407	— 0.515 ± 0.402	<i>all</i> 0.885 ± 0.244	^{1,2} 0.521 ± 0.407	^{1,2,4} 0.947 ± 0.093
<i>vowel0</i>	— 0.969 ± 0.041	— 0.974 ± 0.038	^{1,2,4} 0.999 ± 0.001	— 0.978 ± 0.039	^{1,2,4} 0.972 ± 0.028
<i>ecoli4</i>	— 0.879 ± 0.124	— 0.879 ± 0.127	<i>all</i> 0.906 ± 0.116	^{1,5} 0.879 ± 0.127	— 0.942 ± 0.049
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	— 0.494 ± 0.179	— 0.506 ± 0.182	— 0.897 ± 0.064	— 0.520 ± 0.190	^{1,2,4} 0.583 ± 0.163
<i>shuttle-c0-vs-c4</i>	— 0.996 ± 0.008	— 0.995 ± 0.008	<i>all</i> 0.996 ± 0.008	¹ 0.995 ± 0.008	^{1,2,4} 0.998 ± 0.006
<i>ecoli-0-3-4-vs-5</i>	— 0.888 ± 0.132	— 0.889 ± 0.165	— 0.905 ± 0.122	— 0.899 ± 0.120	— 0.894 ± 0.112
<i>yeast-0-3-5-9-vs-7-8</i>	— 0.533 ± 0.123	— 0.512 ± 0.108	⁵ 0.693 ± 0.072	⁵ 0.511 ± 0.113	— 0.695 ± 0.071
<i>ecoli-0-2-6-7-vs-3-5</i>	— 0.747 ± 0.192	— 0.771 ± 0.204	^{1,2,4} 0.845 ± 0.110	— 0.765 ± 0.203	^{1,2,4} 0.875 ± 0.072
<i>ecoli-0-6-7-vs-5</i>	— 0.814 ± 0.139	¹ 0.818 ± 0.135	¹ 0.863 ± 0.117	¹ 0.812 ± 0.133	^{1,2,4} 0.853 ± 0.095
<i>page-blocks-1-3-vs-4</i>	— 0.789 ± 0.138	— 0.817 ± 0.125	— 0.928 ± 0.073	— 0.824 ± 0.127	^{1,4} 0.938 ± 0.035
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	— 0.885 ± 0.047	¹ 0.889 ± 0.045	^{1,2,4} 0.895 ± 0.044	¹ 0.887 ± 0.046	^{1,2,4} 0.885 ± 0.029
<i>ecoli-0-2-3-4-vs-5</i>	— 0.878 ± 0.100	— 0.884 ± 0.098	⁵ 0.906 ± 0.088	— 0.883 ± 0.102	— 0.898 ± 0.080
<i>glass5</i>	— 0.394 ± 0.387	— 0.395 ± 0.388	⁵ 0.712 ± 0.375	— 0.394 ± 0.387	— 0.886 ± 0.201
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	— 0.719 ± 0.058	— 0.721 ± 0.061	^{1,2,4} 0.788 ± 0.055	— 0.718 ± 0.063	^{1,2,4} 0.764 ± 0.038
<i>ecoli-0-3-4-6-vs-5</i>	— 0.883 ± 0.108	⁴ 0.886 ± 0.109	<i>all</i> 0.908 ± 0.099	— 0.883 ± 0.108	^{1,2,4} 0.890 ± 0.089
<i>ecoli-0-1-vs-5</i>	— 0.879 ± 0.104	— 0.881 ± 0.105	⁵ 0.912 ± 0.082	— 0.879 ± 0.104	— 0.907 ± 0.077
<i>yeast4</i>	— 0.288 ± 0.183	— 0.287 ± 0.174	⁵ 0.675 ± 0.110	— 0.312 ± 0.176	— 0.804 ± 0.076
<i>shuttle-c2-vs-c4</i>	— 0.182 ± 0.369	— 0.182 ± 0.369	^{1,2,4} 0.994 ± 0.041	— 0.182 ± 0.369	<i>all</i> 0.994 ± 0.041
<i>yeast-1-2-8-9-vs-7</i>	— 0.041 ± 0.122	— 0.041 ± 0.122	^{1,2,4} 0.505 ± 0.219	— 0.049 ± 0.132	^{1,2,4} 0.658 ± 0.117
<i>ecoli-0-1-4-7-vs-5-6</i>	— 0.844 ± 0.132	— 0.857 ± 0.109	^{1,2,4} 0.902 ± 0.077	— 0.860 ± 0.105	<i>all</i> 0.885 ± 0.061
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	— 0.805 ± 0.133	— 0.803 ± 0.128	⁵ 0.843 ± 0.097	— 0.806 ± 0.129	^{1,2,4} 0.845 ± 0.075
<i>yeast-2-vs-4</i>	— 0.797 ± 0.083	— 0.800 ± 0.083	— 0.869 ± 0.072	— 0.800 ± 0.083	^{1,2,4} 0.873 ± 0.061
<i>glass-0-4-vs-5</i>	— 0.560 ± 0.419	— 0.560 ± 0.419	^{1,2,4} 0.969 ± 0.072	— 0.603 ± 0.395	^{1,2,4} 0.948 ± 0.035
<i>glass-0-1-6-vs-2</i>	— 0.118 ± 0.222	— 0.096 ± 0.205	<i>all</i> 0.664 ± 0.164	— 0.107 ± 0.214	^{1,2,4} 0.722 ± 0.104
<i>glass-0-1-5-vs-2</i>	— 0.161 ± 0.246	— 0.129 ± 0.230	^{1,2,4} 0.643 ± 0.217	— 0.145 ± 0.248	<i>all</i> 0.669 ± 0.157
<i>yeast6</i>	— 0.707 ± 0.136	— 0.704 ± 0.134	^{1,2,4} 0.797 ± 0.122	— 0.705 ± 0.136	^{1,2,4} 0.878 ± 0.061
<i>ecoli-0-1-3-7-vs-2-6</i>	— 0.741 ± 0.387	— 0.741 ± 0.387	^{1,2,4} 0.732 ± 0.381	— 0.741 ± 0.387	<i>all</i> 0.713 ± 0.370
<i>yeast-1-vs-7</i>	^{3,5} 0.142 ± 0.199	^{3,5} 0.162 ± 0.209	⁵ 0.592 ± 0.203	^{3,5} 0.194 ± 0.213	— 0.648 ± 0.108
<i>glass-0-1-6-vs-5</i>	— 0.459 ± 0.368	— 0.441 ± 0.367	^{1,2,4} 0.849 ± 0.247	— 0.455 ± 0.363	^{1,2,4} 0.878 ± 0.207
<i>yeast-2-vs-8</i>	— 0.718 ± 0.181	— 0.718 ± 0.181	^{1,2,4} 0.738 ± 0.182	— 0.718 ± 0.181	<i>all</i> 0.787 ± 0.129
<i>glass2</i>	— 0.201 ± 0.271	— 0.101 ± 0.218	^{1,2,4} 0.700 ± 0.176	— 0.124 ± 0.236	^{1,2,4} 0.748 ± 0.102
<i>ecoli-0-1-4-6-vs-5</i>	² 0.873 ± 0.105	— 0.879 ± 0.104	^{1,2,4} 0.912 ± 0.083	— 0.881 ± 0.105	<i>all</i> 0.900 ± 0.075
<i>yeast-0-5-6-7-9-vs-4</i>	— 0.532 ± 0.164	— 0.546 ± 0.150	⁵ 0.789 ± 0.070	— 0.560 ± 0.148	— 0.790 ± 0.050
<i>ecoli-0-1-vs-2-3-5</i>	— 0.807 ± 0.125	— 0.805 ± 0.127	^{1,2,4} 0.871 ± 0.110	— 0.787 ± 0.162	^{1,2,4} 0.856 ± 0.100
<i>yeast5</i>	— 0.798 ± 0.083	— 0.814 ± 0.078	<i>all</i> 0.937 ± 0.056	— 0.813 ± 0.083	^{1,2,4} 0.978 ± 0.011
<i>yeast-1-4-5-8-vs-7</i>	— 0.008 ± 0.056	— 0.008 ± 0.056	^{1,2,4} 0.398 ± 0.215	— 0.008 ± 0.056	<i>all</i> 0.600 ± 0.142
<i>ecoli-0-4-6-vs-5</i>	— 0.892 ± 0.095	— 0.895 ± 0.096	^{1,2,4} 0.909 ± 0.091	— 0.897 ± 0.096	<i>all</i> 0.900 ± 0.083
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Table 2: Results for GMEAN metric