

Dataset	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.522 ± 0.062	0.684 ± 0.121	0.674 ± 0.125	0.753 ± 0.092	0.742 ± 0.090	0.689 ± 0.096	0.687 ± 0.097
<i>ecoli-0-3-4-7-vs-5-6</i>	[—]	¹	¹	^{all}	^{1,2,3,6,7}	¹	¹
	0.869 ± 0.097	0.900 ± 0.072	0.900 ± 0.072	0.877 ± 0.078	0.877 ± 0.078	0.895 ± 0.077	0.887 ± 0.074
<i>shuttle-c2-vs-c4</i>	[—]	^{6,7}	^{6,7}	[—]	[—]	^{1,4,7}	[—]
	0.585 ± 0.177	0.995 ± 0.034	0.995 ± 0.034	0.855 ± 0.218	0.880 ± 0.207	0.775 ± 0.235	0.890 ± 0.200
<i>glass-0-1-4-6-vs-2</i>	[—]	^{1,4,5,6,7}	^{1,4,5,6,7}	^{1,6}	^{1,6}	¹	^{1,6}
	0.518 ± 0.062	0.712 ± 0.109	0.701 ± 0.113	0.746 ± 0.105	0.744 ± 0.110	0.697 ± 0.106	0.696 ± 0.103
<i>yeast-1-2-8-9-vs-7</i>	[—]	¹	¹	^{1,5,6,7}	^{1,6,7}	¹	¹
	0.508 ± 0.024	0.644 ± 0.091	0.649 ± 0.088	0.647 ± 0.084	0.645 ± 0.087	0.693 ± 0.097	0.696 ± 0.098
<i>ecoli-0-1-4-6-vs-5</i>	[—]	¹	^{1,2}	¹	¹	^{1,2,3,4,5}	^{all}
	0.886 ± 0.091	0.920 ± 0.075	0.917 ± 0.075	0.906 ± 0.078	0.903 ± 0.077	0.901 ± 0.078	0.903 ± 0.079
<i>glass-0-1-6-vs-5</i>	[—]	^{3,5,6,7}	^{6,7}	^{6,7}	^{6,7}	[—]	[—]
	0.668 ± 0.151	0.883 ± 0.148	0.873 ± 0.150	0.854 ± 0.152	0.842 ± 0.152	0.858 ± 0.152	0.860 ± 0.153
<i>yeast-2-vs-4</i>	[—]	^{1,4,5,7}	^{1,5,7}	¹	¹	¹	^{1,4,6}
	0.820 ± 0.066	0.875 ± 0.063	0.877 ± 0.063	0.840 ± 0.066	0.843 ± 0.067	0.885 ± 0.058	0.884 ± 0.051
<i>glass-0-6-vs-5</i>	[—]	^{1,4,5}	^{1,4,5}	[—]	¹	^{1,4,5,7}	^{1,4,5}
	0.714 ± 0.194	0.920 ± 0.139	0.920 ± 0.139	0.814 ± 0.176	0.817 ± 0.179	0.828 ± 0.162	0.866 ± 0.162
<i>ecoli-0-3-4-6-vs-5</i>	[—]	^{1,4,5,6}	^{1,4,5,6}	¹	¹	¹	¹
	0.895 ± 0.094	0.917 ± 0.086	0.914 ± 0.086	0.899 ± 0.089	0.898 ± 0.090	0.900 ± 0.090	0.895 ± 0.089
<i>yeast-0-3-5-9-vs-7-8</i>	[—]	^{3,4,5,6,7}	^{4,5,6,7}	^{1,7}	^{1,7}	⁷	[—]
	0.641 ± 0.058	0.711 ± 0.056	0.708 ± 0.053	0.652 ± 0.065	0.651 ± 0.062	0.710 ± 0.066	0.714 ± 0.064
<i>glass-0-1-5-vs-2</i>	[—]	^{1,3,4,5}	^{1,4,5}	[—]	[—]	^{1,4,5}	^{1,4,5}
	0.533 ± 0.066	0.697 ± 0.142	0.682 ± 0.133	0.724 ± 0.124	0.723 ± 0.108	0.654 ± 0.114	0.657 ± 0.111
<i>ecoli-0-6-7-vs-5</i>	[—]	^{1,6,7}	¹	^{1,3,5,6,7}	^{1,3,6,7}	¹	¹
	0.840 ± 0.108	0.871 ± 0.097	0.873 ± 0.100	0.871 ± 0.103	0.865 ± 0.100	0.864 ± 0.100	0.863 ± 0.099
<i>ecoli-0-2-3-4-vs-5</i>	[—]	⁶	^{4,7}	⁶	[—]	⁷	[—]
	0.890 ± 0.083	0.913 ± 0.079	0.910 ± 0.079	0.904 ± 0.079	0.908 ± 0.080	0.907 ± 0.082	0.902 ± 0.079
<i>ecoli4</i>	[—]	^{6,7}	⁷	⁷	^{6,7}	^{4,7}	[—]
	0.894 ± 0.100	0.916 ± 0.097	0.915 ± 0.096	0.931 ± 0.084	0.937 ± 0.081	0.933 ± 0.071	0.931 ± 0.073
<i>yeast5</i>	[—]	[—]	[—]	^{2,3}	^{1,2,3,6,7}	^{1,4,7}	^{1,4}
	0.821 ± 0.064	0.937 ± 0.052	0.940 ± 0.046	0.933 ± 0.060	0.942 ± 0.051	0.973 ± 0.017	0.975 ± 0.014
<i>ecoli-0-4-6-vs-5</i>	[—]	¹	¹	¹	¹	^{1,2,3,4,5}	^{1,2,3,4,5}
	0.901 ± 0.084	0.917 ± 0.082	0.915 ± 0.082	0.899 ± 0.081	0.904 ± 0.083	0.901 ± 0.083	0.897 ± 0.082
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	^{4,6,7}	^{4,5,6,7}	^{4,5,6,7}	⁷	^{1,7}	⁷	[—]
	0.635 ± 0.077	0.901 ± 0.059	0.872 ± 0.087	0.617 ± 0.085	0.644 ± 0.087	0.873 ± 0.058	0.880 ± 0.050
<i>ecoli-0-1-vs-5</i>	⁴	^{1,4,5,6,7}	^{1,4,5}	[—]	[—]	^{1,4,5}	^{1,4,5}
	0.891 ± 0.089	0.920 ± 0.074	0.918 ± 0.074	0.898 ± 0.082	0.900 ± 0.080	0.915 ± 0.074	0.917 ± 0.075
<i>ecoli-0-2-6-7-vs-3-5</i>	[—]	[—]	[—]	[—]	[—]	[—]	[—]
	0.797 ± 0.125	0.859 ± 0.082	0.875 ± 0.077	0.830 ± 0.109	0.836 ± 0.107	0.831 ± 0.087	0.825 ± 0.084
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	[—]	^{1,6,7}	^{1,4,5,6,7}	[—]	[—]	^{1,7}	[—]
	0.833 ± 0.100	0.854 ± 0.080	0.857 ± 0.082	0.861 ± 0.081	0.858 ± 0.081	0.830 ± 0.078	0.825 ± 0.072
<i>shuttle-c0-vs-c4</i>	[—]	^{6,7}	^{1,6,7}	^{2,3,6,7}	^{2,3,6,7}	⁷	[—]
	0.996 ± 0.008	0.996 ± 0.008	0.996 ± 0.008	0.995 ± 0.008	0.995 ± 0.008	0.995 ± 0.008	0.995 ± 0.008
<i>ecoli-0-6-7-vs-3-5</i>	[—]	[—]	[—]	[—]	[—]	[—]	[—]
	0.792 ± 0.119	0.849 ± 0.095	0.864 ± 0.094	0.829 ± 0.107	0.831 ± 0.106	0.823 ± 0.096	0.822 ± 0.087
<i>vowel0</i>	[—]	^{1,6,7}	^{1,6,7}	[—]	¹	¹	[—]
	0.970 ± 0.038	0.999 ± 0.002	0.999 ± 0.001	0.807 ± 0.066	0.867 ± 0.061	0.975 ± 0.028	0.976 ± 0.024
<i>glass4</i>	^{4,5}	^{1,4,5,6,7}	^{1,4,5,6,7}	[—]	⁴	^{4,5}	^{4,5}
	0.750 ± 0.158	0.909 ± 0.143	0.909 ± 0.143	0.806 ± 0.139	0.793 ± 0.136	0.842 ± 0.121	0.859 ± 0.126
<i>yeast-0-5-6-7-9-vs-4</i>	[—]	^{1,4,5,6,7}	^{1,4,5,6,7}	[—]	[—]	¹	^{1,5}
	0.649 ± 0.074	0.805 ± 0.058	0.807 ± 0.059	0.791 ± 0.053	0.787 ± 0.051	0.794 ± 0.050	0.791 ± 0.046
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	[—]	^{1,4,5}	^{1,4,5}	¹	¹	¹	¹
	0.756 ± 0.042	0.797 ± 0.045	0.793 ± 0.045	0.767 ± 0.051	0.773 ± 0.056	0.763 ± 0.039	0.766 ± 0.039
<i>ecoli-0-1-vs-2-3-5</i>	[—]	^{all}	^{1,4,5,6,7}	¹	¹	[—]	[—]
	0.833 ± 0.093	0.881 ± 0.093	0.880 ± 0.091	0.857 ± 0.090	0.861 ± 0.089	0.845 ± 0.091	0.837 ± 0.096
<i>ecoli-0-3-4-vs-5</i>	[—]	^{1,6,7}	^{1,6,7}	^{1,6,7}	^{1,6,7}	⁷	[—]
	0.903 ± 0.105	0.916 ± 0.099	0.913 ± 0.098	0.911 ± 0.104	0.911 ± 0.104	0.909 ± 0.103	0.908 ± 0.101
<i>glass5</i>	[—]	^{3,6,7}	^{6,7}	^{6,7}	^{6,7}	[—]	[—]
	0.648 ± 0.165	0.819 ± 0.198	0.824 ± 0.198	0.839 ± 0.180	0.847 ± 0.174	0.867 ± 0.156	0.869 ± 0.158
<i>yeast4</i>	[—]	¹	¹	¹	¹	^{1,4}	¹
	0.555 ± 0.043	0.726 ± 0.075	0.727 ± 0.072	0.755 ± 0.068	0.753 ± 0.070	0.815 ± 0.062	0.823 ± 0.059
<i>glass-0-4-vs-5</i>	[—]	¹	^{1,2}	^{1,2,3}	^{1,3}	^{1,2,3,4,5}	^{1,2,3,4,5}
	0.744 ± 0.204	0.971 ± 0.064	0.982 ± 0.045	0.827 ± 0.161	0.856 ± 0.159	0.888 ± 0.143	0.907 ± 0.128
<i>yeast6</i>	[—]	^{1,4,5,6,7}	^{1,4,5,6,7}	[—]	¹	¹	^{1,4,5}
	0.757 ± 0.091	0.821 ± 0.092	0.818 ± 0.097	0.844 ± 0.082	0.847 ± 0.081	0.876 ± 0.056	0.873 ± 0.055
<i>page-blocks-1-3-vs-4</i>	[—]	^{1,3}	¹	^{1,2,3}	^{1,2,3,4}	^{all}	^{1,2,3,4,5}
	0.818 ± 0.106	0.931 ± 0.067	0.932 ± 0.068	0.753 ± 0.093	0.789 ± 0.104	0.933 ± 0.060	0.921 ± 0.077
<i>yeast-1-vs-7</i>	⁴	^{1,4,5,7}	^{1,4,5,7}	[—]	⁴	^{1,4,5}	^{1,4,5}
	0.529 ± 0.043	0.665 ± 0.102	0.674 ± 0.097	0.642 ± 0.100	0.622 ± 0.100	0.696 ± 0.103	0.687 ± 0.105
<i>ecoli-0-1-3-7-vs-2-6</i>	[—]	^{1,4,5}	^{1,4,5}	¹	¹	^{1,4,5,7}	^{1,4,5}
	0.850 ± 0.200	0.842 ± 0.198	0.844 ± 0.199	0.837 ± 0.206	0.837 ± 0.207	0.706 ± 0.198	0.821 ± 0.195
<i>yeast-1-4-5-8-vs-7</i>	^{all}	^{6,7}	^{2,4,5,6,7}	^{6,7}	^{6,7}	[—]	⁶
	0.501 ± 0.010	0.567 ± 0.075	0.585 ± 0.090	0.609 ± 0.093	0.602 ± 0.098	0.658 ± 0.101	0.650 ± 0.097
<i>ecoli-0-1-4-7-vs-5-6</i>	[—]	¹	¹	^{1,2,5}	^{1,2}	^{all}	^{1,2,3,4,5}
	0.865 ± 0.098	0.907 ± 0.072	0.908 ± 0.070	0.897 ± 0.076	0.889 ± 0.083	0.894 ± 0.058	0.891 ± 0.060
<i>yeast-2-vs-8</i>	[—]	^{6,7}	^{6,7}	[—]	[—]	⁷	[—]
	0.774 ± 0.114	0.785 ± 0.115	0.784 ± 0.109	0.773 ± 0.116	0.776 ± 0.111	0.777 ± 0.110	0.782 ± 0.105
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	[—]	^{1,3,5}	[—]	[—]	[—]	[—]	⁶
	0.892 ± 0.042	0.900 ± 0.040	0.897 ± 0.039	0.898 ± 0.038	0.901 ± 0.037	0.882 ± 0.031	0.880 ± 0.030
<i>glass2</i>	⁷	^{3,6,7}	^{6,7}	^{6,7}	^{6,7}	[—]	[—]
	0.547 ± 0.083	0.723 ± 0.136	0.711 ± 0.132	0.759 ± 0.107	0.755 ± 0.103	0.706 ± 0.093	0.705 ± 0.093
	[—]	¹	¹	^{all}	^{1,3,6,7}	¹	¹

Table 1: Results for BAC metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	1.585	5.402	5.232	3.671	3.963	4.183	3.963
	[—]	^{1,4,5,6,7}	^{1,4,5,6,7}	¹	¹	¹	¹

Table 2: Results for mean ranks according to BAC metric

Dataset	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.088 ± 0.169	0.347 ± 0.159	0.329 ± 0.157	0.333 ± 0.084	0.312 ± 0.074	0.257 ± 0.067	0.254 ± 0.063
<i>ecoli-0-3-4-7-vs-5-6</i>	^{1,6,7} 0.813 ± 0.131	^{1,6,7} 0.771 ± 0.105	^{1,6,7} 0.762 ± 0.108	^{1,5,6,7} 0.792 ± 0.119	^{1,6,7} 0.784 ± 0.121	¹ 0.677 ± 0.129	¹ 0.638 ± 0.122
<i>shuttle-c2-vs-c4</i>	^{2,3,6,7} 0.180 ± 0.366	^{6,7} 0.993 ± 0.046	^{6,7} 0.993 ± 0.046	^{3,6,7} 0.720 ± 0.433	^{6,7} 0.767 ± 0.412	⁷ 0.567 ± 0.472	⁷ 0.787 ± 0.398
<i>glass-0-1-4-6-vs-2</i>	^{1,4,5,6,7} 0.074 ± 0.165	^{1,4,5,6,7} 0.366 ± 0.141	^{1,4,5,6,7} 0.355 ± 0.146	^{1,6} 0.324 ± 0.093	^{1,6} 0.313 ± 0.098	¹ 0.258 ± 0.077	^{1,6} 0.256 ± 0.073
<i>yeast-1-2-8-9-vs-7</i>	^{1,4,5,6,7} 0.026 ± 0.079	^{1,4,5,6,7} 0.248 ± 0.134	^{1,5,6,7} 0.246 ± 0.123	^{1,5,6,7} 0.159 ± 0.063	^{1,6,7} 0.162 ± 0.077	¹ 0.149 ± 0.048	¹ 0.149 ± 0.048
<i>ecoli-0-1-4-6-vs-5</i>	^{all} 0.845 ± 0.127	^{all} 0.853 ± 0.114	^{1,4,5,6,7} 0.830 ± 0.113	¹ 0.825 ± 0.107	¹ 0.814 ± 0.108	¹ 0.759 ± 0.115	¹ 0.736 ± 0.117
<i>glass-0-1-6-vs-5</i>	^{5,6,7} 0.332 ± 0.282	^{3,5,6,7} 0.608 ± 0.253	^{6,7} 0.596 ± 0.256	^{6,7} 0.559 ± 0.241	^{6,7} 0.535 ± 0.234	⁷ 0.559 ± 0.242	⁷ 0.544 ± 0.241
<i>yeast-2-vs-4</i>	^{1,5,7} 0.752 ± 0.104	^{1,5,7} 0.752 ± 0.091	^{1,5} 0.749 ± 0.096	¹ 0.759 ± 0.097	¹ 0.760 ± 0.099	¹ 0.644 ± 0.075	¹ 0.632 ± 0.078
<i>glass-0-6-vs-5</i>	^{6,7} 0.490 ± 0.393	^{6,7} 0.785 ± 0.266	^{6,7} 0.781 ± 0.264	^{6,7} 0.663 ± 0.316	^{6,7} 0.653 ± 0.324	⁷ 0.674 ± 0.286	⁷ 0.727 ± 0.284
<i>ecoli-0-3-4-6-vs-5</i>	^{1,4,5,6} 0.853 ± 0.140	^{1,4,5,6} 0.851 ± 0.127	^{1,4,5,6} 0.828 ± 0.128	¹ 0.781 ± 0.148	¹ 0.776 ± 0.152	¹ 0.754 ± 0.149	¹ 0.725 ± 0.143
<i>yeast-0-3-5-9-vs-7-8</i>	^{4,5,6,7} 0.397 ± 0.126	^{3,4,5,6,7} 0.409 ± 0.076	^{4,5,6,7} 0.394 ± 0.067	^{6,7} 0.395 ± 0.121	^{6,7} 0.402 ± 0.129	⁷ 0.329 ± 0.058	⁷ 0.324 ± 0.053
<i>glass-0-1-5-vs-2</i>	^{6,7} 0.113 ± 0.179	^{3,6,7} 0.364 ± 0.168	^{6,7} 0.343 ± 0.156	^{6,7} 0.324 ± 0.105	^{6,7} 0.316 ± 0.094	⁷ 0.251 ± 0.071	⁷ 0.253 ± 0.074
<i>ecoli-0-6-7-vs-5</i>	^{1,4,5,6,7} 0.774 ± 0.170	^{1,4,5,6,7} 0.728 ± 0.156	^{1,6,7} 0.714 ± 0.157	^{1,5,6,7} 0.781 ± 0.172	^{1,6,7} 0.770 ± 0.167	¹ 0.652 ± 0.171	¹ 0.607 ± 0.159
<i>ecoli-0-2-3-4-vs-5</i>	^{2,3,6,7} 0.852 ± 0.121	^{6,7} 0.824 ± 0.123	^{6,7} 0.809 ± 0.127	^{2,3,6,7} 0.823 ± 0.132	^{2,3,6,7} 0.817 ± 0.134	⁷ 0.792 ± 0.144	⁷ 0.758 ± 0.133
<i>ecoli4</i>	^{3,4,5,6,7} 0.853 ± 0.143	^{6,7} 0.799 ± 0.143	⁷ 0.789 ± 0.139	^{6,7} 0.867 ± 0.129	^{6,7} 0.867 ± 0.136	⁷ 0.728 ± 0.127	⁷ 0.700 ± 0.132
<i>yeast5</i>	^{2,3,6,7} 0.706 ± 0.114	^{6,7} 0.706 ± 0.084	^{6,7} 0.701 ± 0.075	^{2,3,6,7} 0.706 ± 0.097	^{2,3,6,7} 0.697 ± 0.079	⁷ 0.588 ± 0.060	⁷ 0.583 ± 0.059
<i>ecoli-0-4-6-vs-5</i>	^{6,7} 0.860 ± 0.134	^{6,7} 0.856 ± 0.141	^{6,7} 0.839 ± 0.141	^{6,7} 0.790 ± 0.138	^{6,7} 0.790 ± 0.144	⁷ 0.776 ± 0.146	⁷ 0.742 ± 0.143
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	^{4,5,6,7} 0.388 ± 0.185	^{4,5,6,7} 0.671 ± 0.083	^{4,5,6,7} 0.650 ± 0.114	⁷ 0.326 ± 0.192	⁷ 0.373 ± 0.179	⁷ 0.572 ± 0.096	⁷ 0.520 ± 0.074
<i>ecoli-0-1-vs-5</i>	⁴ 0.855 ± 0.117	^{1,4,5,6,7} 0.864 ± 0.100	^{1,4,5,6,7} 0.850 ± 0.104	⁷ 0.862 ± 0.110	⁷ 0.864 ± 0.111	^{1,4,5,7} 0.840 ± 0.117	^{1,4,5} 0.839 ± 0.116
<i>ecoli-0-2-6-7-vs-3-5</i>	⁷ 0.699 ± 0.217	⁷ 0.723 ± 0.126	⁷ 0.730 ± 0.117	⁷ 0.721 ± 0.188	⁷ 0.722 ± 0.187	⁷ 0.602 ± 0.156	⁷ 0.556 ± 0.141
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	^{6,7} 0.773 ± 0.159	^{6,7} 0.693 ± 0.116	^{6,7} 0.692 ± 0.119	^{6,7} 0.798 ± 0.119	^{6,7} 0.788 ± 0.123	⁷ 0.532 ± 0.118	⁷ 0.501 ± 0.099
<i>shuttle-c0-vs-c4</i>	^{2,3,6,7} 0.996 ± 0.008	^{6,7} 0.996 ± 0.008	^{6,7} 0.996 ± 0.008	^{2,3,6,7} 0.995 ± 0.008	^{2,3,6,7} 0.995 ± 0.008	⁷ 0.995 ± 0.008	⁷ 0.995 ± 0.008
<i>ecoli-0-6-7-vs-3-5</i>	⁷ 0.689 ± 0.199	⁷ 0.706 ± 0.154	⁷ 0.714 ± 0.148	⁷ 0.725 ± 0.182	⁷ 0.728 ± 0.181	⁷ 0.588 ± 0.172	⁷ 0.555 ± 0.149
<i>vowel0</i>	^{6,7} 0.963 ± 0.046	^{6,7} 0.990 ± 0.021	^{6,7} 0.992 ± 0.015	^{6,7} 0.708 ± 0.107	^{6,7} 0.790 ± 0.089	⁷ 0.859 ± 0.063	⁷ 0.880 ± 0.053
<i>glass4</i>	^{4,5,6,7} 0.572 ± 0.309	^{1,4,5,6,7} 0.708 ± 0.250	^{1,4,5,6,7} 0.705 ± 0.243	⁷ 0.556 ± 0.229	⁴ 0.539 ± 0.226	^{4,5} 0.546 ± 0.188	^{4,5,6} 0.575 ± 0.197
<i>yeast-0-5-6-7-9-vs-4</i>	^{1,4,5,6,7} 0.405 ± 0.157	^{1,4,5,6,7} 0.561 ± 0.078	^{1,4,5,6,7} 0.555 ± 0.081	⁷ 0.560 ± 0.088	⁷ 0.546 ± 0.091	⁷ 0.401 ± 0.048	⁷ 0.391 ± 0.040
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	^{1,6,7} 0.626 ± 0.075	^{1,6,7} 0.558 ± 0.062	^{1,6,7} 0.539 ± 0.062	^{1,6,7} 0.624 ± 0.084	^{1,6,7} 0.622 ± 0.090	⁷ 0.379 ± 0.041	⁷ 0.375 ± 0.040
<i>ecoli-0-1-vs-2-3-5</i>	^{2,3,6,7} 0.773 ± 0.150	^{3,6,7} 0.764 ± 0.139	^{6,7} 0.755 ± 0.135	^{2,3,6,7} 0.805 ± 0.137	^{2,3,6,7} 0.811 ± 0.133	⁷ 0.659 ± 0.146	⁷ 0.614 ± 0.156
<i>ecoli-0-3-4-vs-5</i>	^{6,7} 0.861 ± 0.162	^{6,7} 0.840 ± 0.154	^{6,7} 0.820 ± 0.152	^{1,2,3,6,7} 0.820 ± 0.162	^{1,2,3,6,7} 0.815 ± 0.164	⁷ 0.796 ± 0.172	⁷ 0.772 ± 0.162
<i>glass5</i>	^{3,4,5,6,7} 0.325 ± 0.332	^{3,6,7} 0.534 ± 0.318	⁷ 0.536 ± 0.314	^{6,7} 0.462 ± 0.233	^{6,7} 0.463 ± 0.226	⁷ 0.457 ± 0.188	⁷ 0.476 ± 0.205
<i>yeast4</i>	^{1,4,5,6,7} 0.170 ± 0.122	^{1,4,5,6,7} 0.385 ± 0.105	^{1,4,5,6,7} 0.375 ± 0.096	^{1,6} 0.379 ± 0.092	¹ 0.385 ± 0.091	¹ 0.299 ± 0.046	¹ 0.292 ± 0.043
<i>glass-0-4-vs-5</i>	^{1,3,6,7} 0.547 ± 0.415	^{1,3,6,7} 0.891 ± 0.147	^{1,6,7} 0.907 ± 0.138	^{1,6,7} 0.622 ± 0.278	^{1,6,7} 0.669 ± 0.276	^{1,7} 0.697 ± 0.257	¹ 0.717 ± 0.233
<i>yeast6</i>	^{1,4,5,6,7} 0.553 ± 0.158	^{1,4,5,6,7} 0.483 ± 0.123	^{1,4,5,6,7} 0.473 ± 0.133	⁷ 0.529 ± 0.116	⁷ 0.503 ± 0.108	¹ 0.315 ± 0.047	^{1,4} 0.301 ± 0.042
<i>page-blocks-1-3-vs-4</i>	^{2,3,5,6,7} 0.648 ± 0.152	^{3,6,7} 0.703 ± 0.107	^{6,7} 0.711 ± 0.106	^{2,3,5,6,7} 0.519 ± 0.166	^{3,6,7} 0.607 ± 0.160	⁷ 0.615 ± 0.096	⁷ 0.618 ± 0.115
<i>yeast-1-vs-7</i>	⁴ 0.101 ± 0.143	^{1,4,5,6,7} 0.318 ± 0.144	^{1,4,5,6,7} 0.319 ± 0.123	⁷ 0.223 ± 0.084	⁴ 0.221 ± 0.102	⁴ 0.228 ± 0.067	⁴ 0.220 ± 0.064
<i>ecoli-0-1-3-7-vs-2-6</i>	^{1,4,5,6,7} 0.727 ± 0.386	^{1,4,5,6,7} 0.568 ± 0.343	^{1,4,5,6,7} 0.611 ± 0.357	¹ 0.592 ± 0.361	¹ 0.596 ± 0.358	^{1,7} 0.254 ± 0.220	¹ 0.382 ± 0.259
<i>yeast-1-4-5-8-vs-7</i>	^{all} 0.004 ± 0.031	^{6,7} 0.148 ± 0.107	^{2,6,7} 0.168 ± 0.125	^{6,7} 0.143 ± 0.063	^{6,7} 0.134 ± 0.061	⁷ 0.151 ± 0.049	⁶ 0.144 ± 0.044
<i>ecoli-0-1-4-7-vs-5-6</i>	¹ 0.812 ± 0.160	¹ 0.799 ± 0.115	¹ 0.789 ± 0.110	^{1,5} 0.834 ± 0.107	¹ 0.820 ± 0.118	^{1,5,7} 0.655 ± 0.117	¹ 0.627 ± 0.117
<i>yeast-2-vs-8</i>	^{3,6,7} 0.661 ± 0.209	^{6,7} 0.548 ± 0.185	^{6,7} 0.519 ± 0.166	^{3,6,7} 0.661 ± 0.209	^{6,7} 0.665 ± 0.200	⁷ 0.335 ± 0.114	⁷ 0.314 ± 0.102
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	^{2,3,6,7} 0.829 ± 0.059	^{3,6,7} 0.752 ± 0.052	^{6,7} 0.742 ± 0.052	^{2,3,6,7} 0.823 ± 0.053	^{2,3,6,7} 0.823 ± 0.053	⁷ 0.597 ± 0.050	⁷ 0.571 ± 0.036
<i>glass2</i>	^{2,3,6,7} 0.152 ± 0.209	^{3,6,7} 0.384 ± 0.182	^{6,7} 0.365 ± 0.166	^{2,3,6,7} 0.338 ± 0.104	^{2,3,6,7} 0.325 ± 0.096	⁷ 0.253 ± 0.060	⁷ 0.253 ± 0.060
	⁷	^{1,4,5,6,7}	^{1,5,6,7}	^{1,5,6,7}	^{1,6,7}	¹	¹

Table 3: Results for F1 metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	4.037	5.671	4.866	4.488	4.280	2.573	2.085
	^{6,7}	^{all}	^{6,7}	^{6,7}	^{6,7}	⁷	⁷

Table 4: Results for mean ranks according to F1 metric

Dataset	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.161 ± 0.334	0.280 ± 0.152	0.270 ± 0.170	0.213 ± 0.061	0.195 ± 0.051	0.153 ± 0.044	0.151 ± 0.040
<i>ecoli-0-3-4-7-vs-5-6</i>	— 0.944 ± 0.091	1,4,5,6,7 0.739 ± 0.141	1,4,5,6,7 0.726 ± 0.157	1,5,6,7 0.835 ± 0.144	1,6,7 0.810 ± 0.142	— 0.569 ± 0.145	— 0.516 ± 0.136
<i>shuttle-c2-vs-c4</i>	<i>all</i> 0.200 ± 0.400	6,7 1.000 ± 0.000	6,7 1.000 ± 0.000	2,3,6,7 0.740 ± 0.438	2,3,6,7 0.780 ± 0.414	7 0.600 ± 0.489	— 0.800 ± 0.400
<i>glass-0-1-4-6-vs-2</i>	— 0.133 ± 0.310	1,4,5,6,7 0.288 ± 0.129	1,4,5,6,7 0.278 ± 0.132	1 0.207 ± 0.064	1,6 0.198 ± 0.066	1 0.154 ± 0.050	1,6 0.153 ± 0.047
<i>yeast-1-2-8-9-vs-7</i>	— 0.070 ± 0.223	1,4,5,6,7 0.201 ± 0.113	1,4,5,6,7 0.194 ± 0.100	1,5,6,7 0.099 ± 0.040	1,6,7 0.106 ± 0.072	1 0.086 ± 0.028	1 0.085 ± 0.028
<i>ecoli-0-1-4-6-vs-5</i>	— 0.960 ± 0.100	<i>all</i> 0.880 ± 0.139	1,4,5,6,7 0.835 ± 0.150	1,6,7 0.859 ± 0.143	1,6,7 0.837 ± 0.141	1 0.732 ± 0.164	1 0.686 ± 0.163
<i>glass-0-1-6-vs-5</i>	<i>all</i> 0.373 ± 0.371	3,6,7 0.519 ± 0.258	6,7 0.511 ± 0.261	6,7 0.481 ± 0.248	6,7 0.456 ± 0.243	7 0.478 ± 0.249	— 0.454 ± 0.249
<i>yeast-2-vs-4</i>	— 0.922 ± 0.095	1,5,7 0.739 ± 0.114	5,7 0.729 ± 0.123	— 0.860 ± 0.101	— 0.851 ± 0.106	— 0.524 ± 0.083	— 0.506 ± 0.090
<i>glass-0-6-vs-5</i>	<i>all</i> 0.600 ± 0.469	6,7 0.768 ± 0.304	6,7 0.762 ± 0.302	2,3,6,7 0.762 ± 0.367	2,3,6,7 0.722 ± 0.374	7 0.758 ± 0.342	— 0.772 ± 0.325
<i>ecoli-0-3-4-6-vs-5</i>	— 0.946 ± 0.119	1 0.880 ± 0.141	1 0.834 ± 0.153	1 0.753 ± 0.167	— 0.745 ± 0.174	1 0.699 ± 0.173	1 0.655 ± 0.169
<i>yeast-0-3-5-9-vs-7-8</i>	<i>all</i> 0.605 ± 0.176	3,4,5,6,7 0.332 ± 0.077	4,5,6,7 0.311 ± 0.061	6,7 0.535 ± 0.183	6,7 0.537 ± 0.186	7 0.216 ± 0.040	— 0.208 ± 0.036
<i>glass-0-1-5-vs-2</i>	<i>all</i> 0.186 ± 0.333	3,6,7 0.293 ± 0.163	6,7 0.268 ± 0.122	2,3,6,7 0.209 ± 0.072	2,3,6,7 0.200 ± 0.065	7 0.149 ± 0.045	— 0.151 ± 0.047
<i>ecoli-0-6-7-vs-5</i>	— 0.953 ± 0.114	1,4,5,6,7 0.724 ± 0.199	1,4,5,6,7 0.687 ± 0.197	1,5,6,7 0.830 ± 0.193	1,6,7 0.817 ± 0.186	— 0.578 ± 0.201	— 0.506 ± 0.184
<i>ecoli-0-2-3-4-vs-5</i>	<i>all</i> 0.960 ± 0.092	3,6,7 0.833 ± 0.170	6,7 0.805 ± 0.179	2,3,6,7 0.846 ± 0.177	2,3,6,7 0.822 ± 0.176	7 0.774 ± 0.195	— 0.717 ± 0.187
<i>ecoli4</i>	<i>all</i> 0.973 ± 0.073	6,7 0.804 ± 0.177	7 0.788 ± 0.179	6,7 0.889 ± 0.138	6,7 0.872 ± 0.158	7 0.640 ± 0.177	— 0.605 ± 0.188
<i>yeast5</i>	<i>all</i> 0.794 ± 0.140	6,7 0.589 ± 0.091	6,7 0.580 ± 0.086	2,3,6,7 0.593 ± 0.101	2,3,6,7 0.571 ± 0.084	7 0.421 ± 0.059	— 0.415 ± 0.058
<i>ecoli-0-4-6-vs-5</i>	<i>all</i> 0.935 ± 0.135	3,5,6,7 0.882 ± 0.170	6,7 0.849 ± 0.173	5,6,7 0.775 ± 0.182	6,7 0.764 ± 0.181	— 0.744 ± 0.192	— 0.684 ± 0.186
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	<i>all</i> 0.782 ± 0.304	4,5,6,7 0.557 ± 0.098	4,5,6,7 0.563 ± 0.117	6,7 0.535 ± 0.306	7 0.498 ± 0.262	7 0.440 ± 0.104	— 0.371 ± 0.077
<i>ecoli-0-1-vs-5</i>	<i>all</i> 0.972 ± 0.076	6,7 0.902 ± 0.119	6,7 0.872 ± 0.125	7 0.965 ± 0.090	7 0.958 ± 0.099	7 0.862 ± 0.157	— 0.857 ± 0.157
<i>ecoli-0-2-6-7-vs-3-5</i>	2,3,6,7 0.933 ± 0.175	— 0.734 ± 0.185	— 0.718 ± 0.188	2,3,6,7 0.795 ± 0.204	2,3,6,7 0.779 ± 0.209	— 0.531 ± 0.196	— 0.457 ± 0.168
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	<i>all</i> 0.979 ± 0.065	6,7 0.678 ± 0.155	6,7 0.672 ± 0.160	3,6,7 0.914 ± 0.116	6,7 0.900 ± 0.139	7 0.426 ± 0.148	— 0.382 ± 0.107
<i>shuttle-c0-vs-c4</i>	<i>all</i> 1.000 ± 0.000	6,7 1.000 ± 0.000	6,7 1.000 ± 0.000	2,3,6,7 1.000 ± 0.000	2,3,6,7 1.000 ± 0.000	7 1.000 ± 0.000	— 1.000 ± 0.000
<i>ecoli-0-6-7-vs-3-5</i>	— 0.907 ± 0.169	— 0.711 ± 0.191	— 0.693 ± 0.178	— 0.819 ± 0.201	— 0.816 ± 0.199	— 0.515 ± 0.205	— 0.457 ± 0.167
<i>vowel0</i>	<i>all</i> 0.989 ± 0.027	6,7 0.981 ± 0.039	6,7 0.985 ± 0.028	2,3,6,7 0.838 ± 0.103	2,3,6,7 0.855 ± 0.092	7 0.767 ± 0.085	— 0.805 ± 0.077
<i>glass4</i>	4,5,6,7 0.728 ± 0.384	4,5,6,7 0.639 ± 0.273	4,5,6,7 0.630 ± 0.261	6,7 0.521 ± 0.270	4,6,7 0.509 ± 0.268	— 0.465 ± 0.217	6 0.499 ± 0.240
<i>yeast-0-5-6-7-9-vs-4</i>	<i>all</i> 0.647 ± 0.237	4,5,6,7 0.481 ± 0.087	4,5,6,7 0.468 ± 0.084	6 0.503 ± 0.115	6 0.483 ± 0.124	— 0.265 ± 0.037	— 0.255 ± 0.030
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<i>all</i> 0.779 ± 0.092	3,6,7 0.479 ± 0.060	6,7 0.452 ± 0.058	6,7 0.722 ± 0.089	6,7 0.692 ± 0.103	7 0.252 ± 0.036	— 0.246 ± 0.033
<i>ecoli-0-1-vs-2-3-5</i>	<i>all</i> 0.968 ± 0.081	3,6,7 0.775 ± 0.168	6,7 0.754 ± 0.159	2,3,5,6,7 0.947 ± 0.114	2,3,6,7 0.947 ± 0.113	— 0.629 ± 0.206	— 0.554 ± 0.206
<i>ecoli-0-3-4-vs-5</i>	2,3,6,7 0.958 ± 0.111	6,7 0.874 ± 0.157	6,7 0.835 ± 0.160	2,3,6,7 0.827 ± 0.166	2,3,6,7 0.816 ± 0.170	7 0.777 ± 0.191	— 0.735 ± 0.187
<i>glass5</i>	<i>all</i> 0.377 ± 0.406	3,6,7 0.471 ± 0.307	6,7 0.469 ± 0.298	6,7 0.359 ± 0.217	6,7 0.357 ± 0.208	7 0.331 ± 0.152	— 0.359 ± 0.193
<i>yeast4</i>	— 0.358 ± 0.276	4,5,6,7 0.328 ± 0.109	4,5,6,7 0.309 ± 0.082	6 0.292 ± 0.080	6 0.305 ± 0.088	— 0.188 ± 0.031	— 0.181 ± 0.028
<i>glass-0-4-vs-5</i>	6,7 0.660 ± 0.473	3,4,6,7 0.853 ± 0.204	6,7 0.857 ± 0.200	6,7 0.619 ± 0.324	6,7 0.668 ± 0.331	7 0.644 ± 0.293	— 0.658 ± 0.281
<i>yeast6</i>	— 0.626 ± 0.178	1,4,5,6,7 0.388 ± 0.108	1,4,5,6,7 0.378 ± 0.121	— 0.431 ± 0.117	— 0.394 ± 0.101	— 0.195 ± 0.033	— 0.185 ± 0.029
<i>page-blocks-1-3-vs-4</i>	<i>all</i> 0.686 ± 0.174	3,6,7 0.584 ± 0.115	6,7 0.595 ± 0.110	2,3,5,6,7 0.539 ± 0.203	6,7 0.674 ± 0.197	7 0.465 ± 0.108	— 0.482 ± 0.129
<i>yeast-1-vs-7</i>	2,3,4,6,7 0.330 ± 0.464	4,6,7 0.278 ± 0.136	4,6,7 0.264 ± 0.110	6,7 0.148 ± 0.055	2,3,4,6,7 0.162 ± 0.085	— 0.136 ± 0.041	— 0.130 ± 0.039
<i>ecoli-0-1-3-7-vs-2-6</i>	— 0.790 ± 0.401	3,4,5,6,7 0.556 ± 0.385	4,5,6,7 0.610 ± 0.393	6,7 0.568 ± 0.393	7 0.583 ± 0.394	7 0.220 ± 0.267	— 0.338 ± 0.323
<i>yeast-1-4-5-8-vs-7</i>	<i>all</i> 0.007 ± 0.046	6,7 0.126 ± 0.103	2,6,7 0.133 ± 0.112	6,7 0.086 ± 0.039	6,7 0.081 ± 0.037	— 0.086 ± 0.029	6 0.081 ± 0.025
<i>ecoli-0-1-4-7-vs-5-6</i>	— 0.967 ± 0.091	1,4,5,6,7 0.795 ± 0.165	1,4,5,6,7 0.774 ± 0.163	1 0.889 ± 0.122	1 0.886 ± 0.136	1,7 0.550 ± 0.149	1 0.511 ± 0.152
<i>yeast-2-vs-8</i>	<i>all</i> 0.908 ± 0.200	6,7 0.563 ± 0.230	6,7 0.497 ± 0.191	2,3,6,7 0.908 ± 0.200	2,3,6,7 0.911 ± 0.190	7 0.233 ± 0.090	— 0.211 ± 0.083
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	2,3,6,7 0.871 ± 0.068	3,6,7 0.684 ± 0.062	6,7 0.669 ± 0.066	2,3,6,7 0.839 ± 0.062	2,3,6,7 0.831 ± 0.066	7 0.456 ± 0.063	— 0.422 ± 0.041
<i>glass2</i>	<i>all</i> 0.260 ± 0.387	3,6,7 0.307 ± 0.166	6,7 0.286 ± 0.141	2,3,6,7 0.221 ± 0.081	2,3,6,7 0.209 ± 0.074	7 0.151 ± 0.040	— 0.151 ± 0.040
	—	4,5,6,7	4,5,6,7	5,6,7	6,7	—	—

Table 5: Results for Precision metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	5.646	5.134	4.439	4.756	4.268	2.098	1.659
	3,4,5,6,7	3,5,6,7	6,7	5,6,7	6,7	7	—

Table 6: Results for mean ranks according to Precision metric

Dataset	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.065 ± 0.123	0.510 ± 0.233	0.493 ± 0.251	0.802 ± 0.191	0.815 ± 0.193	0.827 ± 0.194	0.827 ± 0.194
<i>ecoli-0-3-4-7-vs-5-6</i>	¹ 0.744 ± 0.196	¹ 0.836 ± 0.148	¹ 0.840 ± 0.149	^{1,2,3} 0.772 ± 0.154	^{1,2,3} 0.776 ± 0.153	^{1,2,3} 0.868 ± 0.147	^{1,2,3} 0.872 ± 0.142
<i>shuttle-c2-vs-c4</i>	^{1,4,5} 0.170 ± 0.355	^{1,4,5} 0.990 ± 0.069	^{1,4,5} 0.990 ± 0.069	^{1,4,5} 0.710 ± 0.436	^{1,4,5} 0.760 ± 0.415	^{1,4,5} 0.550 ± 0.471	^{1,2,4,5} 0.780 ± 0.401
<i>glass-0-1-4-6-vs-2</i>	^{1,4,5,6,7} 0.055 ± 0.122	^{1,4,5,6,7} 0.552 ± 0.230	^{1,4,5,6,7} 0.533 ± 0.230	^{1,6} 0.767 ± 0.207	^{1,6} 0.785 ± 0.213	¹ 0.813 ± 0.193	^{1,6} 0.813 ± 0.193
<i>yeast-1-2-8-9-vs-7</i>	¹ 0.017 ± 0.049	¹ 0.333 ± 0.179	¹ 0.347 ± 0.175	^{1,2,3} 0.420 ± 0.173	^{1,2,3} 0.413 ± 0.186	^{1,2,3} 0.597 ± 0.194	^{1,2,3} 0.607 ± 0.196
<i>ecoli-0-1-4-6-vs-5</i>	¹ 0.775 ± 0.182	¹ 0.850 ± 0.150	¹ 0.850 ± 0.150	^{1,2,3} 0.825 ± 0.160	^{1,2,3} 0.820 ± 0.158	^{1,2,3,4,5} 0.830 ± 0.161	^{1,2,3,4,5} 0.840 ± 0.164
<i>glass-0-1-6-vs-5</i>	¹ 0.360 ± 0.316	¹ 0.810 ± 0.298	¹ 0.790 ± 0.301	¹ 0.760 ± 0.303	¹ 0.740 ± 0.303	¹ 0.770 ± 0.303	¹ 0.780 ± 0.302
<i>yeast-2-vs-4</i>	¹ 0.647 ± 0.132	¹ 0.784 ± 0.129	¹ 0.789 ± 0.127	¹ 0.693 ± 0.132	¹ 0.701 ± 0.135	¹ 0.859 ± 0.126	¹ 0.865 ± 0.111
<i>glass-0-6-vs-5</i>	^{1,4,5} 0.440 ± 0.382	^{1,4,5} 0.870 ± 0.279	^{1,4,5} 0.870 ± 0.279	¹ 0.650 ± 0.350	¹ 0.660 ± 0.352	^{1,2,3,4,5} 0.680 ± 0.328	^{1,2,3,4,5} 0.760 ± 0.320
<i>ecoli-0-3-4-6-vs-5</i>	^{1,4,5,6,7} 0.795 ± 0.185	^{1,4,5,6,7} 0.850 ± 0.173	^{1,4,5,6,7} 0.850 ± 0.173	¹ 0.830 ± 0.169	¹ 0.830 ± 0.169	¹ 0.845 ± 0.172	^{1,5} 0.845 ± 0.172
<i>yeast-0-3-5-9-vs-7-8</i>	¹ 0.306 ± 0.115	¹ 0.548 ± 0.111	¹ 0.554 ± 0.111	¹ 0.342 ± 0.140	¹ 0.338 ± 0.124	¹ 0.702 ± 0.142	¹ 0.738 ± 0.132
<i>glass-0-1-5-vs-2</i>	^{1,4,5} 0.090 ± 0.139	^{1,4,5} 0.542 ± 0.278	^{1,4,5} 0.517 ± 0.266	¹ 0.762 ± 0.254	¹ 0.798 ± 0.221	^{1,2,3,4,5} 0.812 ± 0.228	^{all} 0.817 ± 0.224
<i>ecoli-0-6-7-vs-5</i>	¹ 0.685 ± 0.216	¹ 0.780 ± 0.197	¹ 0.790 ± 0.202	^{1,2,3} 0.760 ± 0.199	^{1,2,3} 0.750 ± 0.193	^{1,2,3} 0.800 ± 0.187	^{1,2,3} 0.825 ± 0.188
<i>ecoli-0-2-3-4-vs-5</i>	¹ 0.785 ± 0.165	¹ 0.850 ± 0.158	¹ 0.850 ± 0.158	¹ 0.830 ± 0.153	¹ 0.840 ± 0.156	^{1,5} 0.850 ± 0.158	^{1,2,4,5} 0.850 ± 0.158
<i>ecoli4</i>	¹ 0.790 ± 0.202	¹ 0.850 ± 0.200	¹ 0.850 ± 0.200	¹ 0.870 ± 0.167	¹ 0.885 ± 0.159	¹ 0.905 ± 0.149	¹ 0.910 ± 0.156
<i>yeast5</i>	¹ 0.647 ± 0.127	¹ 0.894 ± 0.103	¹ 0.901 ± 0.093	¹ 0.884 ± 0.118	¹ 0.906 ± 0.101	^{1,2,3} 0.989 ± 0.033	^{1,2,3} 0.993 ± 0.026
<i>ecoli-0-4-6-vs-5</i>	¹ 0.810 ± 0.162	¹ 0.850 ± 0.158	¹ 0.850 ± 0.158	¹ 0.830 ± 0.153	¹ 0.840 ± 0.156	^{1,2,3,4,5} 0.840 ± 0.156	^{1,2,3,4,5} 0.845 ± 0.157
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	¹ 0.279 ± 0.155	¹ 0.869 ± 0.124	¹ 0.805 ± 0.181	¹ 0.255 ± 0.169	¹ 0.321 ± 0.172	¹ 0.853 ± 0.121	¹ 0.910 ± 0.113
<i>ecoli-0-1-vs-5</i>	^{1,3,4,5} 0.785 ± 0.180	^{1,3,4,5} 0.850 ± 0.150	^{1,4,5} 0.850 ± 0.150	¹ 0.800 ± 0.165	^{1,4} 0.805 ± 0.160	^{1,4,5} 0.845 ± 0.149	^{all} 0.850 ± 0.150
<i>ecoli-0-2-6-7-vs-3-5</i>	^{1,4} 0.597 ± 0.251	^{1,4} 0.756 ± 0.173	^{1,4} 0.793 ± 0.163	¹ 0.680 ± 0.210	¹ 0.695 ± 0.205	¹ 0.750 ± 0.165	^{1,4} 0.767 ± 0.162
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	^{1,4,5} 0.668 ± 0.202	^{1,4,5} 0.747 ± 0.165	^{1,4,5} 0.754 ± 0.168	¹ 0.730 ± 0.164	¹ 0.727 ± 0.163	^{1,4,5} 0.775 ± 0.159	^{1,4,5} 0.785 ± 0.154
<i>shuttle-c0-vs-c4</i>	¹ 0.992 ± 0.016	¹ 0.992 ± 0.016	¹ 0.992 ± 0.016	¹ 0.990 ± 0.017	¹ 0.990 ± 0.017	^{1,4,5} 0.990 ± 0.017	^{1,2,3,4,5} 0.990 ± 0.017
<i>ecoli-0-6-7-vs-3-5</i>	¹ 0.593 ± 0.237	¹ 0.738 ± 0.189	¹ 0.770 ± 0.187	¹ 0.677 ± 0.206	¹ 0.682 ± 0.204	¹ 0.736 ± 0.180	¹ 0.760 ± 0.164
<i>vowel0</i>	^{1,4,5} 0.941 ± 0.077	^{1,4,5} 1.000 ± 0.000	^{1,4,5} 1.000 ± 0.000	¹ 0.627 ± 0.134	¹ 0.747 ± 0.124	^{1,4,5} 0.981 ± 0.053	^{1,4,5} 0.977 ± 0.047
<i>glass4</i>	^{4,5} 0.513 ± 0.310	^{1,4,5,7} 0.857 ± 0.278	^{1,4,5,7} 0.857 ± 0.278	¹ 0.660 ± 0.268	⁴ 0.637 ± 0.263	^{1,4,5} 0.750 ± 0.240	^{1,4,5} 0.783 ± 0.252
<i>yeast-0-5-6-7-9-vs-4</i>	^{1,4,5,6,7} 0.317 ± 0.153	^{1,4,5,6,7} 0.693 ± 0.123	^{1,4,5,6,7} 0.702 ± 0.127	¹ 0.660 ± 0.114	¹ 0.660 ± 0.107	^{1,4,5} 0.843 ± 0.105	^{1,4,5} 0.851 ± 0.104
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	^{1,4,5} 0.529 ± 0.083	^{1,4,5} 0.675 ± 0.092	^{1,4,5} 0.676 ± 0.090	¹ 0.559 ± 0.104	¹ 0.576 ± 0.113	^{1,2,3,4,5} 0.789 ± 0.095	^{1,2,3,4,5} 0.808 ± 0.089
<i>ecoli-0-1-vs-2-3-5</i>	^{1,4,5} 0.670 ± 0.187	^{1,4,5} 0.791 ± 0.188	^{1,4,5} 0.791 ± 0.184	¹ 0.719 ± 0.178	^{1,4} 0.727 ± 0.177	^{1,2,3,4,5} 0.749 ± 0.184	^{all} 0.757 ± 0.191
<i>ecoli-0-3-4-vs-5</i>	^{1,4,5,6} 0.810 ± 0.209	^{1,4,5,6} 0.850 ± 0.200	^{1,4,5,6} 0.850 ± 0.200	¹ 0.845 ± 0.205	¹ 0.845 ± 0.205	¹ 0.850 ± 0.200	¹ 0.855 ± 0.200
<i>glass5</i>	¹ 0.310 ± 0.330	¹ 0.670 ± 0.395	¹ 0.680 ± 0.396	¹ 0.740 ± 0.363	¹ 0.760 ± 0.349	¹ 0.810 ± 0.314	¹ 0.810 ± 0.314
<i>yeast4</i>	¹ 0.117 ± 0.088	¹ 0.489 ± 0.153	¹ 0.494 ± 0.148	¹ 0.560 ± 0.138	¹ 0.555 ± 0.146	^{1,2} 0.747 ± 0.133	^{1,2} 0.771 ± 0.125
<i>glass-0-4-vs-5</i>	¹ 0.490 ± 0.406	¹ 0.970 ± 0.118	¹ 0.990 ± 0.069	^{1,2,3} 0.710 ± 0.333	^{1,2,3} 0.770 ± 0.319	^{1,2,3,4,5} 0.840 ± 0.290	^{all} 0.880 ± 0.256
<i>yeast6</i>	^{1,4,5,6} 0.523 ± 0.184	^{1,4,5,6} 0.669 ± 0.186	^{1,4,5,6,7} 0.663 ± 0.195	¹ 0.711 ± 0.165	¹ 0.723 ± 0.162	^{1,4} 0.837 ± 0.117	^{1,4,5} 0.837 ± 0.117
<i>page-blocks-1-3-vs-4</i>	¹ 0.657 ± 0.217	¹ 0.905 ± 0.132	¹ 0.905 ± 0.136	¹ 0.537 ± 0.190	^{1,2,3} 0.600 ± 0.211	^{1,2,3,4,5} 0.939 ± 0.120	^{1,2,3,4,5} 0.907 ± 0.157
<i>yeast-1-vs-7</i>	⁴ 0.060 ± 0.086	^{1,4,5} 0.410 ± 0.206	^{1,4,5} 0.440 ± 0.196	¹ 0.480 ± 0.209	¹ 0.410 ± 0.211	^{1,4,5} 0.713 ± 0.202	^{1,4,5} 0.710 ± 0.207
<i>ecoli-0-1-3-7-vs-2-6</i>	¹ 0.700 ± 0.400	¹ 0.700 ± 0.400	^{1,2} 0.700 ± 0.400	^{1,2,5} 0.700 ± 0.400	¹ 0.700 ± 0.400	^{1,2,3,4,5} 0.480 ± 0.399	^{1,2,3,4,5} 0.700 ± 0.400
<i>yeast-1-4-5-8-vs-7</i>	⁶ 0.003 ± 0.023	⁶ 0.200 ± 0.152	⁶ 0.247 ± 0.180	⁶ 0.427 ± 0.183	⁶ 0.423 ± 0.206	¹ 0.620 ± 0.191	⁶ 0.623 ± 0.185
<i>ecoli-0-1-4-7-vs-5-6</i>	¹ 0.732 ± 0.198	¹ 0.836 ± 0.148	^{1,2} 0.840 ± 0.144	^{1,2,3} 0.804 ± 0.152	^{1,2,3} 0.788 ± 0.166	^{1,2,3,4,5} 0.856 ± 0.120	^{1,2,3,4,5} 0.860 ± 0.121
<i>yeast-2-vs-8</i>	^{1,5} 0.550 ± 0.229	^{1,5} 0.595 ± 0.233	^{1,5} 0.600 ± 0.223	¹ 0.550 ± 0.229	¹ 0.555 ± 0.219	^{1,4,5} 0.655 ± 0.228	^{1,4,5} 0.685 ± 0.222
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	^{1,4} 0.797 ± 0.084	^{1,4} 0.843 ± 0.084	^{1,4,5} 0.841 ± 0.081	¹ 0.813 ± 0.078	¹ 0.821 ± 0.075	^{1,2,3,4,5} 0.884 ± 0.074	^{1,2,3,4,5} 0.898 ± 0.075
<i>glass2</i>	^{1,4,5} 0.117 ± 0.164	^{1,4,5} 0.562 ± 0.271	^{1,4,5} 0.542 ± 0.262	¹ 0.768 ± 0.192	¹ 0.778 ± 0.191	^{1,2,3,4,5} 0.818 ± 0.170	^{all} 0.818 ± 0.170
	¹	¹	¹	^{1,2,3}	^{1,2,3}	^{1,2,3,4}	^{1,2,3,4}

Table 7: Results for Recall metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	1.341	4.512	4.768	2.854	3.256	5.183	6.085
	—	1,4,5	1,4,5	1	1,4	1,4,5	<i>all</i>

Table 8: Results for mean ranks according to Recall metric

Dataset	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.522 ± 0.062	0.684 ± 0.121	0.674 ± 0.125	0.753 ± 0.092	0.742 ± 0.090	0.689 ± 0.096	0.687 ± 0.097
<i>ecoli-0-3-4-7-vs-5-6</i>	¹ 0.869 ± 0.097	¹ 0.900 ± 0.072	¹ 0.900 ± 0.072	^{all} 0.877 ± 0.078	^{1,2,3,6,7} 0.877 ± 0.078	¹ 0.895 ± 0.077	¹ 0.887 ± 0.074
<i>shuttle-c2-vs-c4</i>	^{6,7} 0.585 ± 0.177	^{6,7} 0.995 ± 0.034	⁷ 0.995 ± 0.034	^{1,6} 0.855 ± 0.218	^{1,6} 0.880 ± 0.207	^{1,4,7} 0.775 ± 0.235	^{1,6} 0.890 ± 0.200
<i>glass-0-1-4-6-vs-2</i>	^{1,4,5,6,7} 0.518 ± 0.062	^{1,4,5,6,7} 0.712 ± 0.109	^{1,4,5,6,7} 0.701 ± 0.113	^{1,6} 0.746 ± 0.105	^{1,6} 0.744 ± 0.110	¹ 0.697 ± 0.106	^{1,6} 0.696 ± 0.103
<i>yeast-1-2-8-9-vs-7</i>	¹ 0.508 ± 0.024	¹ 0.644 ± 0.091	¹ 0.649 ± 0.088	^{1,5,6,7} 0.647 ± 0.084	^{1,6,7} 0.645 ± 0.087	¹ 0.693 ± 0.097	¹ 0.696 ± 0.098
<i>ecoli-0-1-4-6-vs-5</i>	¹ 0.886 ± 0.091	¹ 0.920 ± 0.075	^{1,2} 0.917 ± 0.075	¹ 0.906 ± 0.078	¹ 0.903 ± 0.077	^{1,2,3,4,5} 0.901 ± 0.078	^{all} 0.903 ± 0.079
<i>glass-0-1-6-vs-5</i>	^{3,5,6,7} 0.668 ± 0.151	^{3,5,6,7} 0.883 ± 0.148	^{6,7} 0.873 ± 0.150	^{6,7} 0.854 ± 0.152	^{6,7} 0.842 ± 0.152	¹ 0.858 ± 0.152	¹ 0.860 ± 0.153
<i>yeast-2-vs-4</i>	^{1,4,5,7} 0.820 ± 0.066	^{1,4,5,7} 0.875 ± 0.063	^{1,5,7} 0.877 ± 0.063	¹ 0.840 ± 0.066	¹ 0.843 ± 0.067	¹ 0.885 ± 0.058	¹ 0.884 ± 0.051
<i>glass-0-6-vs-5</i>	^{1,4,5} 0.714 ± 0.194	^{1,4,5} 0.920 ± 0.139	^{1,4,5} 0.920 ± 0.139	^{1,4,5} 0.814 ± 0.176	^{1,4,5} 0.817 ± 0.179	^{1,4,5,7} 0.828 ± 0.162	^{1,4,5} 0.866 ± 0.162
<i>ecoli-0-3-4-6-vs-5</i>	^{1,4,5,6} 0.895 ± 0.094	^{1,4,5,6} 0.917 ± 0.086	^{1,4,5,6} 0.914 ± 0.086	¹ 0.899 ± 0.089	¹ 0.898 ± 0.090	¹ 0.900 ± 0.090	¹ 0.895 ± 0.089
<i>yeast-0-3-5-9-vs-7-8</i>	^{3,4,5,6,7} 0.641 ± 0.058	^{3,4,5,6,7} 0.711 ± 0.056	^{4,5,6,7} 0.708 ± 0.053	^{1,7} 0.652 ± 0.065	^{1,7} 0.651 ± 0.062	⁷ 0.710 ± 0.066	¹ 0.714 ± 0.064
<i>glass-0-1-5-vs-2</i>	^{1,3,4,5} 0.533 ± 0.066	^{1,3,4,5} 0.697 ± 0.142	^{1,4,5} 0.682 ± 0.133	¹ 0.724 ± 0.124	¹ 0.723 ± 0.108	^{1,4,5} 0.654 ± 0.114	^{1,4,5} 0.657 ± 0.111
<i>ecoli-0-6-7-vs-5</i>	^{1,6,7} 0.840 ± 0.108	^{1,6,7} 0.871 ± 0.097	¹ 0.873 ± 0.100	^{1,3,5,6,7} 0.871 ± 0.103	^{1,3,6,7} 0.865 ± 0.100	¹ 0.864 ± 0.100	¹ 0.863 ± 0.099
<i>ecoli-0-2-3-4-vs-5</i>	⁶ 0.890 ± 0.083	⁶ 0.913 ± 0.079	^{4,7} 0.910 ± 0.079	⁶ 0.904 ± 0.079	¹ 0.908 ± 0.080	⁷ 0.907 ± 0.082	¹ 0.902 ± 0.079
<i>ecoli4</i>	^{6,7} 0.894 ± 0.100	^{6,7} 0.916 ± 0.097	⁷ 0.915 ± 0.096	⁷ 0.931 ± 0.084	^{6,7} 0.937 ± 0.081	^{4,7} 0.933 ± 0.071	¹ 0.931 ± 0.073
<i>yeast5</i>	^{2,3} 0.821 ± 0.064	^{1,2,3,6,7} 0.937 ± 0.052	¹ 0.940 ± 0.046	¹ 0.933 ± 0.060	¹ 0.942 ± 0.051	^{1,4,7} 0.973 ± 0.017	^{1,4} 0.975 ± 0.014
<i>ecoli-0-4-6-vs-5</i>	¹ 0.901 ± 0.084	¹ 0.917 ± 0.082	¹ 0.915 ± 0.082	¹ 0.899 ± 0.081	¹ 0.904 ± 0.083	^{1,2,3,4,5} 0.901 ± 0.083	^{1,2,3,4,5} 0.897 ± 0.082
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	^{4,6,7} 0.635 ± 0.077	^{4,5,6,7} 0.901 ± 0.059	^{4,5,6,7} 0.872 ± 0.087	⁷ 0.617 ± 0.085	^{1,7} 0.644 ± 0.087	⁷ 0.873 ± 0.058	¹ 0.880 ± 0.050
<i>ecoli-0-1-vs-5</i>	⁴ 0.891 ± 0.089	^{1,4,5,6,7} 0.920 ± 0.074	^{1,4,5} 0.918 ± 0.074	¹ 0.898 ± 0.082	¹ 0.900 ± 0.080	^{1,4,5} 0.915 ± 0.074	^{1,4,5} 0.917 ± 0.075
<i>ecoli-0-2-6-7-vs-3-5</i>	¹ 0.797 ± 0.125	¹ 0.859 ± 0.082	¹ 0.875 ± 0.077	¹ 0.830 ± 0.109	¹ 0.836 ± 0.107	¹ 0.831 ± 0.087	¹ 0.825 ± 0.084
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	^{1,6,7} 0.833 ± 0.100	^{1,6,7} 0.854 ± 0.080	^{1,4,5,6,7} 0.857 ± 0.082	¹ 0.861 ± 0.081	¹ 0.858 ± 0.081	^{1,7} 0.830 ± 0.078	¹ 0.825 ± 0.072
<i>shuttle-c0-vs-c4</i>	^{6,7} 0.996 ± 0.008	^{6,7} 0.996 ± 0.008	^{1,6,7} 0.996 ± 0.008	^{2,3,6,7} 0.995 ± 0.008	^{2,3,6,7} 0.995 ± 0.008	⁷ 0.995 ± 0.008	¹ 0.995 ± 0.008
<i>ecoli-0-6-7-vs-3-5</i>	¹ 0.792 ± 0.119	¹ 0.849 ± 0.095	¹ 0.864 ± 0.094	¹ 0.829 ± 0.107	¹ 0.831 ± 0.106	¹ 0.823 ± 0.096	¹ 0.822 ± 0.087
<i>vowel0</i>	^{1,6,7} 0.970 ± 0.038	^{1,6,7} 0.999 ± 0.002	^{1,6,7} 0.999 ± 0.001	¹ 0.807 ± 0.066	¹ 0.867 ± 0.061	^{1,7} 0.975 ± 0.028	¹ 0.976 ± 0.024
<i>glass4</i>	^{4,5} 0.750 ± 0.158	^{1,4,5,6,7} 0.909 ± 0.143	^{1,4,5,6,7} 0.909 ± 0.143	¹ 0.806 ± 0.139	⁴ 0.793 ± 0.136	^{4,5} 0.842 ± 0.121	^{4,5} 0.859 ± 0.126
<i>yeast-0-5-6-7-9-vs-4</i>	^{1,4,5,6,7} 0.649 ± 0.074	^{1,4,5,6,7} 0.805 ± 0.058	^{1,4,5,6,7} 0.807 ± 0.059	¹ 0.791 ± 0.053	¹ 0.787 ± 0.051	¹ 0.794 ± 0.050	^{1,5} 0.791 ± 0.046
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	^{1,4,5} 0.756 ± 0.042	^{1,4,5} 0.797 ± 0.045	^{1,4,5} 0.793 ± 0.045	¹ 0.767 ± 0.051	¹ 0.773 ± 0.056	¹ 0.763 ± 0.039	¹ 0.766 ± 0.039
<i>ecoli-0-1-vs-2-3-5</i>	^{all} 0.833 ± 0.093	^{all} 0.881 ± 0.093	^{1,4,5,6,7} 0.880 ± 0.091	¹ 0.857 ± 0.090	¹ 0.861 ± 0.089	¹ 0.845 ± 0.091	¹ 0.837 ± 0.096
<i>ecoli-0-3-4-vs-5</i>	^{1,6,7} 0.903 ± 0.105	^{1,6,7} 0.916 ± 0.099	^{1,6,7} 0.913 ± 0.098	^{1,6,7} 0.911 ± 0.104	^{1,6,7} 0.911 ± 0.104	⁷ 0.909 ± 0.103	¹ 0.907 ± 0.101
<i>glass5</i>	^{3,6,7} 0.648 ± 0.165	^{3,6,7} 0.819 ± 0.198	^{6,7} 0.824 ± 0.198	^{6,7} 0.839 ± 0.180	^{6,7} 0.847 ± 0.174	¹ 0.867 ± 0.156	¹ 0.869 ± 0.158
<i>yeast4</i>	¹ 0.555 ± 0.043	¹ 0.726 ± 0.075	¹ 0.727 ± 0.072	¹ 0.755 ± 0.068	¹ 0.753 ± 0.070	^{1,4} 0.815 ± 0.062	¹ 0.823 ± 0.059
<i>glass-0-4-vs-5</i>	¹ 0.744 ± 0.204	¹ 0.971 ± 0.064	^{1,2} 0.982 ± 0.045	^{1,2,3} 0.827 ± 0.161	^{1,3} 0.856 ± 0.159	^{1,2,3,4,5} 0.888 ± 0.143	^{1,2,3,4,5} 0.907 ± 0.128
<i>yeast6</i>	^{1,4,5,6,7} 0.757 ± 0.091	^{1,4,5,6,7} 0.821 ± 0.092	^{1,4,5,6,7} 0.818 ± 0.097	¹ 0.844 ± 0.082	¹ 0.847 ± 0.081	¹ 0.876 ± 0.056	^{1,4,5} 0.873 ± 0.055
<i>page-blocks-1-3-vs-4</i>	^{1,3} 0.818 ± 0.106	^{1,3} 0.931 ± 0.067	¹ 0.932 ± 0.068	^{1,2,3} 0.753 ± 0.093	^{1,2,3,4} 0.789 ± 0.104	^{all} 0.933 ± 0.060	^{1,2,3,4,5} 0.921 ± 0.077
<i>yeast-1-vs-7</i>	⁴ 0.529 ± 0.043	^{1,4,5,7} 0.665 ± 0.102	^{1,4,5,7} 0.674 ± 0.097	¹ 0.642 ± 0.100	⁴ 0.622 ± 0.100	^{1,4,5} 0.696 ± 0.103	^{1,4,5} 0.687 ± 0.105
<i>ecoli-0-1-3-7-vs-2-6</i>	^{1,4,5} 0.850 ± 0.200	^{1,4,5} 0.842 ± 0.198	^{1,4,5} 0.844 ± 0.199	¹ 0.837 ± 0.206	¹ 0.837 ± 0.207	^{1,4,5,7} 0.706 ± 0.198	^{1,4,5} 0.821 ± 0.195
<i>yeast-1-4-5-8-vs-7</i>	^{all} 0.501 ± 0.010	^{6,7} 0.567 ± 0.075	^{2,4,5,6,7} 0.585 ± 0.090	^{6,7} 0.609 ± 0.093	^{6,7} 0.602 ± 0.098	¹ 0.658 ± 0.101	⁶ 0.650 ± 0.097
<i>ecoli-0-1-4-7-vs-5-6</i>	¹ 0.865 ± 0.098	¹ 0.907 ± 0.072	¹ 0.908 ± 0.070	^{1,2,5} 0.897 ± 0.076	^{1,2} 0.889 ± 0.083	^{all} 0.894 ± 0.058	^{1,2,3,4,5} 0.891 ± 0.060
<i>yeast-2-vs-8</i>	^{6,7} 0.774 ± 0.114	^{6,7} 0.785 ± 0.115	^{6,7} 0.784 ± 0.109	¹ 0.773 ± 0.116	¹ 0.776 ± 0.111	⁷ 0.777 ± 0.110	¹ 0.782 ± 0.105
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	^{1,3,5} 0.892 ± 0.042	^{1,3,5} 0.900 ± 0.040	¹ 0.897 ± 0.039	¹ 0.898 ± 0.038	¹ 0.901 ± 0.037	¹ 0.882 ± 0.031	⁶ 0.880 ± 0.030
<i>glass2</i>	⁷ 0.547 ± 0.083	^{3,6,7} 0.723 ± 0.136	^{6,7} 0.711 ± 0.132	^{6,7} 0.759 ± 0.107	^{6,7} 0.755 ± 0.103	¹ 0.706 ± 0.093	¹ 0.705 ± 0.093
	¹	¹	¹	^{all}	^{1,3,6,7}	¹	¹

Table 9: Results for AUC metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	1.585	5.402	5.232	3.671	3.963	4.183	3.963
	—	1,4,5,6,7	1,4,5,6,7	1	1	1	1

Table 10: Results for mean ranks according to AUC metric

Dataset	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.118 ± 0.222	0.634 ± 0.187	0.609 ± 0.221	0.743 ± 0.095	0.730 ± 0.091	0.667 ± 0.091	0.664 ± 0.091
<i>ecoli-0-3-4-7-vs-5-6</i>	^{1,3} 0.852 ± 0.116	^{1,3} 0.894 ± 0.079	¹ 0.894 ± 0.079	^{all} 0.866 ± 0.089	^{1,2,3,6,7} 0.867 ± 0.088	¹ 0.891 ± 0.082	¹ 0.883 ± 0.077
<i>shuttle-c2-vs-c4</i>	^{6,7} 0.182 ± 0.369	^{6,7} 0.994 ± 0.041	⁷ 0.994 ± 0.041	^{1,6} 0.722 ± 0.433	^{1,6} 0.768 ± 0.411	^{1,4,5,7} 0.571 ± 0.473	¹ 0.788 ± 0.398
<i>glass-0-1-4-6-vs-2</i>	^{1,4,5,6,7} 0.098 ± 0.210	^{1,4,5,6,7} 0.666 ± 0.183	^{1,4,5,6,7} 0.653 ± 0.184	^{1,6} 0.736 ± 0.111	^{1,6} 0.727 ± 0.143	¹ 0.679 ± 0.103	^{1,6} 0.678 ± 0.100
<i>yeast-1-2-8-9-vs-7</i>	¹ 0.041 ± 0.122	¹ 0.528 ± 0.199	¹ 0.544 ± 0.186	^{1,3,5,6,7} 0.587 ± 0.148	^{1,3,6,7} 0.571 ± 0.183	¹ 0.676 ± 0.118	¹ 0.679 ± 0.118
<i>ecoli-0-1-4-6-vs-5</i>	^{1,2} 0.873 ± 0.105	¹ 0.913 ± 0.083	^{1,2} 0.911 ± 0.083	^{1,2} 0.898 ± 0.088	¹ 0.894 ± 0.088	^{1,2,3,4,5} 0.893 ± 0.088	^{1,2,3,4,5} 0.895 ± 0.089
<i>glass-0-1-6-vs-5</i>	^{3,5,6,7} 0.459 ± 0.368	^{3,5,6,7} 0.844 ± 0.247	^{6,7} 0.833 ± 0.247	^{6,7} 0.812 ± 0.245	⁶ 0.800 ± 0.243	¹ 0.817 ± 0.245	⁵ 0.820 ± 0.245
<i>yeast-2-vs-4</i>	^{1,5,7} 0.797 ± 0.083	^{1,5,7} 0.867 ± 0.072	^{1,5} 0.870 ± 0.071	¹ 0.823 ± 0.079	¹ 0.827 ± 0.081	¹ 0.881 ± 0.063	¹ 0.881 ± 0.054
<i>glass-0-6-vs-5</i>	^{1,4,5} 0.521 ± 0.407	^{1,4,5} 0.885 ± 0.244	^{1,4,5} 0.885 ± 0.244	¹ 0.730 ± 0.322	¹ 0.734 ± 0.325	^{1,4,5,7} 0.762 ± 0.287	^{1,4,5} 0.816 ± 0.273
<i>ecoli-0-3-4-6-vs-5</i>	^{1,4,5,6} 0.883 ± 0.108	^{1,4,5,6} 0.910 ± 0.098	^{1,4,5,6} 0.907 ± 0.098	¹ 0.891 ± 0.099	¹ 0.891 ± 0.099	¹ 0.894 ± 0.100	¹ 0.889 ± 0.098
<i>yeast-0-3-5-9-vs-7-8</i>	^{3,4,5,6,7} 0.533 ± 0.123	^{3,4,5,6,7} 0.688 ± 0.071	^{4,5,6,7} 0.687 ± 0.068	^{1,7} 0.556 ± 0.134	^{1,7} 0.557 ± 0.126	⁷ 0.705 ± 0.072	¹ 0.709 ± 0.062
<i>glass-0-1-5-vs-2</i>	^{1,3,4,5} 0.161 ± 0.246	^{1,3,4,5} 0.643 ± 0.221	^{1,4,5} 0.626 ± 0.213	¹ 0.703 ± 0.157	¹ 0.703 ± 0.139	^{1,4,5} 0.617 ± 0.129	^{1,2,3,4,5} 0.621 ± 0.129
<i>ecoli-0-6-7-vs-5</i>	¹ 0.814 ± 0.139	¹ 0.858 ± 0.115	¹ 0.861 ± 0.118	^{1,3,5,6,7} 0.856 ± 0.122	^{1,3,6,7} 0.850 ± 0.119	¹ 0.855 ± 0.110	¹ 0.856 ± 0.108
<i>ecoli-0-2-3-4-vs-5</i>	^{4,6} 0.878 ± 0.100	^{4,6} 0.906 ± 0.088	^{4,7} 0.904 ± 0.088	⁶ 0.897 ± 0.087	¹ 0.901 ± 0.089	¹ 0.901 ± 0.090	^{1,6} 0.896 ± 0.087
<i>ecoli4</i>	^{6,7} 0.879 ± 0.124	^{6,7} 0.906 ± 0.116	⁷ 0.905 ± 0.116	⁷ 0.924 ± 0.095	⁷ 0.932 ± 0.091	^{4,7} 0.928 ± 0.080	¹ 0.926 ± 0.083
<i>yeast5</i>	^{2,3} 0.798 ± 0.083	^{1,2,3,6,7} 0.935 ± 0.056	¹ 0.938 ± 0.049	¹ 0.929 ± 0.066	¹ 0.940 ± 0.055	^{1,4,7} 0.973 ± 0.017	^{1,4} 0.974 ± 0.014
<i>ecoli-0-4-6-vs-5</i>	¹ 0.892 ± 0.095	¹ 0.910 ± 0.091	¹ 0.908 ± 0.091	¹ 0.893 ± 0.089	¹ 0.897 ± 0.091	^{1,2,3,4,5} 0.895 ± 0.090	^{1,2,3,4,5} 0.892 ± 0.089
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	⁷ 0.494 ± 0.179	^{4,5,6,7} 0.898 ± 0.063	^{4,5,6,7} 0.863 ± 0.103	^{1,7} 0.453 ± 0.210	^{1,7} 0.529 ± 0.176	^{1,7} 0.870 ± 0.062	¹ 0.877 ± 0.051
<i>ecoli-0-1-vs-5</i>	⁴ 0.879 ± 0.104	^{1,4,5,6,7} 0.913 ± 0.083	^{1,4,5} 0.912 ± 0.083	¹ 0.888 ± 0.094	⁴ 0.891 ± 0.091	^{1,4,5} 0.908 ± 0.082	^{1,4,5} 0.910 ± 0.083
<i>ecoli-0-2-6-7-vs-3-5</i>	^{1,6,7} 0.747 ± 0.192	^{1,6,7} 0.847 ± 0.096	^{1,4,5,6,7} 0.866 ± 0.087	¹ 0.806 ± 0.136	¹ 0.814 ± 0.134	^{1,7} 0.821 ± 0.099	¹ 0.817 ± 0.095
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	^{6,7} 0.805 ± 0.133	^{6,7} 0.841 ± 0.096	^{1,5,6,7} 0.844 ± 0.098	^{2,3,6,7} 0.845 ± 0.099	^{2,6,7} 0.842 ± 0.099	⁷ 0.822 ± 0.087	¹ 0.818 ± 0.078
<i>shuttle-c0-vs-c4</i>	¹ 0.996 ± 0.008	¹ 0.996 ± 0.008	¹ 0.996 ± 0.008	¹ 0.995 ± 0.008	¹ 0.995 ± 0.008	¹ 0.995 ± 0.008	¹ 0.995 ± 0.008
<i>ecoli-0-6-7-vs-3-5</i>	¹ 0.750 ± 0.159	¹ 0.834 ± 0.114	¹ 0.851 ± 0.108	¹ 0.805 ± 0.131	¹ 0.808 ± 0.131	¹ 0.811 ± 0.111	¹ 0.813 ± 0.100
<i>vowel0</i>	^{1,6} 0.969 ± 0.041	^{1,6} 0.999 ± 0.002	^{1,6,7} 0.999 ± 0.001	¹ 0.781 ± 0.088	¹ 0.855 ± 0.073	¹ 0.975 ± 0.030	^{1,6} 0.976 ± 0.025
<i>glass4</i>	^{4,5} 0.641 ± 0.310	^{1,4,5,6,7} 0.875 ± 0.244	^{1,4,5,6,7} 0.875 ± 0.243	¹ 0.765 ± 0.210	⁴ 0.745 ± 0.226	^{4,5} 0.824 ± 0.141	^{4,5} 0.837 ± 0.175
<i>yeast-0-5-6-7-9-vs-4</i>	^{1,4,5,6,7} 0.532 ± 0.164	^{1,4,5,6,7} 0.793 ± 0.069	^{1,4,5,6,7} 0.796 ± 0.071	¹ 0.776 ± 0.066	¹ 0.774 ± 0.061	¹ 0.790 ± 0.048	^{1,5} 0.786 ± 0.044
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	^{1,4,5} 0.719 ± 0.058	^{1,4,5} 0.785 ± 0.053	^{1,4,5} 0.782 ± 0.053	¹ 0.735 ± 0.070	¹ 0.744 ± 0.075	^{1,7} 0.759 ± 0.039	¹ 0.762 ± 0.038
<i>ecoli-0-1-vs-2-3-5</i>	^{all} 0.807 ± 0.125	^{all} 0.869 ± 0.111	^{1,4,5,6,7} 0.868 ± 0.108	¹ 0.839 ± 0.110	¹ 0.844 ± 0.108	^{1,4} 0.831 ± 0.107	^{1,4} 0.825 ± 0.110
<i>ecoli-0-3-4-vs-5</i>	^{1,6,7} 0.888 ± 0.132	^{1,6,7} 0.905 ± 0.121	^{1,6,7} 0.903 ± 0.121	^{1,6,7} 0.900 ± 0.126	^{1,6,7} 0.900 ± 0.126	⁷ 0.899 ± 0.123	¹ 0.898 ± 0.121
<i>glass5</i>	^{3,6,7} 0.394 ± 0.387	^{3,6,7} 0.712 ± 0.376	^{6,7} 0.718 ± 0.377	^{6,7} 0.764 ± 0.329	^{6,7} 0.782 ± 0.311	¹ 0.822 ± 0.268	¹ 0.825 ± 0.269
<i>yeast4</i>	¹ 0.288 ± 0.183	¹ 0.677 ± 0.113	¹ 0.679 ± 0.109	¹ 0.723 ± 0.092	¹ 0.720 ± 0.096	^{1,4} 0.809 ± 0.071	¹ 0.818 ± 0.066
<i>glass-0-4-vs-5</i>	¹ 0.560 ± 0.419	¹ 0.969 ± 0.072	^{1,2} 0.981 ± 0.048	^{1,2,3} 0.764 ± 0.287	^{1,2,3} 0.807 ± 0.269	^{1,2,3,4,5} 0.851 ± 0.243	^{1,2,3,4,5} 0.881 ± 0.208
<i>yeast6</i>	^{1,4,5,6,7} 0.707 ± 0.136	^{1,4,5,6,7} 0.797 ± 0.122	^{1,4,5,6,7} 0.792 ± 0.129	¹ 0.827 ± 0.101	¹ 0.832 ± 0.099	¹ 0.872 ± 0.061	^{1,4,5} 0.870 ± 0.060
<i>page-blocks-1-3-vs-4</i>	^{1,3} 0.789 ± 0.138	^{1,3} 0.928 ± 0.073	¹ 0.928 ± 0.076	^{1,2,3} 0.703 ± 0.158	^{1,2,3,4} 0.753 ± 0.138	^{all} 0.931 ± 0.064	^{1,2,3,4,5} 0.916 ± 0.088
<i>yeast-1-vs-7</i>	⁴ 0.142 ± 0.199	^{1,4,5,7} 0.581 ± 0.197	^{1,4,5,7} 0.610 ± 0.161	¹ 0.603 ± 0.136	⁴ 0.558 ± 0.158	^{1,4,5} 0.687 ± 0.108	^{1,4,5} 0.678 ± 0.107
<i>ecoli-0-1-3-7-vs-2-6</i>	¹ 0.741 ± 0.387	¹ 0.735 ± 0.383	^{1,5} 0.737 ± 0.385	^{1,5} 0.734 ± 0.384	¹ 0.735 ± 0.384	^{all} 0.535 ± 0.399	^{1,2,3,4,5} 0.718 ± 0.373
<i>yeast-1-4-5-8-vs-7</i>	^{all} 0.008 ± 0.056	^{6,7} 0.376 ± 0.212	^{2,6,7} 0.419 ± 0.228	^{6,7} 0.559 ± 0.159	^{6,7} 0.543 ± 0.180	¹ 0.644 ± 0.132	⁶ 0.638 ± 0.128
<i>ecoli-0-1-4-7-vs-5-6</i>	¹ 0.844 ± 0.132	¹ 0.900 ± 0.080	¹ 0.901 ± 0.077	^{1,2,3,5} 0.888 ± 0.085	^{1,2,3} 0.878 ± 0.094	^{all} 0.891 ± 0.061	^{1,2,3,4,5} 0.888 ± 0.063
<i>yeast-2-vs-8</i>	^{6,7} 0.718 ± 0.181	^{6,7} 0.740 ± 0.178	^{6,7} 0.747 ± 0.147	¹ 0.718 ± 0.181	¹ 0.728 ± 0.154	⁷ 0.748 ± 0.166	¹ 0.763 ± 0.131
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	^{1,4,5} 0.885 ± 0.047	^{1,4,5} 0.897 ± 0.044	² 0.894 ± 0.043	¹ 0.893 ± 0.043	¹ 0.897 ± 0.041	¹ 0.881 ± 0.032	^{1,4,6} 0.879 ± 0.030
<i>glass2</i>	^{1,3,6,7} 0.201 ± 0.271	^{1,3,6,7} 0.668 ± 0.222	^{6,7} 0.655 ± 0.216	^{6,7} 0.752 ± 0.109	^{6,7} 0.747 ± 0.105	¹ 0.690 ± 0.090	¹ 0.689 ± 0.089
	¹	¹	¹	^{all}	^{1,2,3,6,7}	¹	¹

Table 11: Results for GMEAN metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	1.476	5.159	5.134	3.537	3.744	4.549	4.402
	—	1,4,5	1,4,5	1	1	1,4,5	1

Table 12: Results for mean ranks according to GMEAN metric