

Dataset	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass4</i>	0.750 ± 0.158	0.904 ± 0.142	0.905 ± 0.142	0.779 ± 0.148	0.843 ± 0.163	0.794 ± 0.131	0.866 ± 0.152
<i>ecoli-0-2-3-4-vs-5</i>	<sup>—</sup> 0.890 ± 0.083	<sup>1,4,5,6,7</sup> 0.910 ± 0.078	<sup>1,4,5,6,7</sup> 0.908 ± 0.078	<sup>—</sup> 0.908 ± 0.079	<sup>1,6</sup> 0.907 ± 0.078	<sup>—</sup> 0.910 ± 0.081	<sup>1,4,6</sup> 0.906 ± 0.078
<i>glass-0-1-6-vs-2</i>	0.522 ± 0.062	0.676 ± 0.132	0.643 ± 0.124	<sup>3,7</sup> 0.712 ± 0.136	<sup>7</sup> 0.739 ± 0.101	<sup>3,7</sup> 0.737 ± 0.099	<sup>—</sup> 0.738 ± 0.096
<i>ecoli-0-1-vs-5</i>	<sup>—</sup> 0.891 ± 0.089	<sup>1,3</sup> 0.918 ± 0.074	<sup>1</sup> 0.916 ± 0.073	<sup>1,3</sup> 0.906 ± 0.078	<sup>1,2,3,6,7</sup> 0.914 ± 0.077	<sup>1,2,3</sup> 0.913 ± 0.077	<sup>1,2,3</sup> 0.914 ± 0.073
<i>yeast-1-4-5-8-vs-7</i>	<sup>—</sup> 0.501 ± 0.010	<sup>3</sup> 0.547 ± 0.075	<sup>4,5,6</sup> 0.553 ± 0.077	<sup>—</sup> 0.556 ± 0.081	<sup>—</sup> 0.593 ± 0.081	<sup>—</sup> 0.600 ± 0.102	<sup>—</sup> 0.613 ± 0.096
<i>ecoli4</i>	0.894 ± 0.100	0.918 ± 0.094	0.917 ± 0.094	0.925 ± 0.090	0.933 ± 0.086	0.927 ± 0.080	0.927 ± 0.083
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	0.635 ± 0.077	0.899 ± 0.066	0.857 ± 0.121	<sup>2,3</sup> 0.585 ± 0.091	<sup>2,3,4,6,7</sup> 0.657 ± 0.088	<sup>4</sup> 0.867 ± 0.080	<sup>4</sup> 0.871 ± 0.058
<i>glass5</i>	<sup>4</sup> 0.648 ± 0.165	<sup>all</sup> 0.823 ± 0.196	<sup>1,4,5</sup> 0.823 ± 0.203	<sup>—</sup> 0.824 ± 0.187	<sup>1,4</sup> 0.870 ± 0.172	<sup>1,4,5</sup> 0.795 ± 0.187	<sup>1,4,5</sup> 0.875 ± 0.171
<i>ecoli-0-3-4-6-vs-5</i>	0.895 ± 0.094	<sup>1,6</sup> 0.908 ± 0.089	<sup>1,6</sup> 0.906 ± 0.089	<sup>1,6</sup> 0.893 ± 0.087	<sup>1</sup> 0.901 ± 0.093	<sup>1</sup> 0.908 ± 0.090	<sup>1</sup> 0.897 ± 0.092
<i>yeast-0-5-6-7-9-vs-4</i>	<sup>4</sup> 0.649 ± 0.074	<sup>7</sup> 0.793 ± 0.065	<sup>7</sup> 0.797 ± 0.061	<sup>—</sup> 0.764 ± 0.062	<sup>1,7</sup> 0.795 ± 0.053	<sup>7</sup> 0.800 ± 0.057	<sup>1,4</sup> 0.805 ± 0.051
<i>yeast6</i>	<sup>—</sup> 0.757 ± 0.091	<sup>1,4</sup> 0.821 ± 0.087	<sup>1,4</sup> 0.818 ± 0.083	<sup>1</sup> 0.821 ± 0.083	<sup>1,4</sup> 0.835 ± 0.086	<sup>1,4</sup> 0.874 ± 0.063	<sup>1,4</sup> 0.879 ± 0.059
<i>ecoli-0-6-7-vs-5</i>	<sup>—</sup> 0.840 ± 0.108	<sup>1,3</sup> 0.876 ± 0.101	<sup>1</sup> 0.865 ± 0.100	<sup>1,3</sup> 0.865 ± 0.098	<sup>1,2,3</sup> 0.869 ± 0.105	<sup>1,2,3,4,5</sup> 0.873 ± 0.096	<sup>all</sup> 0.868 ± 0.108
<i>glass-0-1-6-vs-5</i>	0.668 ± 0.151	<sup>3,7</sup> 0.868 ± 0.157	<sup>—</sup> 0.853 ± 0.165	<sup>—</sup> 0.794 ± 0.175	<sup>3,4,7</sup> 0.898 ± 0.145	<sup>3,7</sup> 0.795 ± 0.169	<sup>—</sup> 0.897 ± 0.145
<i>ecoli-0-1-3-7-vs-2-6</i>	0.850 ± 0.200	<sup>1,4</sup> 0.841 ± 0.197	<sup>1</sup> 0.843 ± 0.198	<sup>1</sup> 0.849 ± 0.200	<sup>1,4</sup> 0.840 ± 0.205	<sup>1</sup> 0.718 ± 0.203	<sup>1,4</sup> 0.825 ± 0.195
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<sup>2,3,5,6,7</sup> 0.756 ± 0.042	<sup>6,7</sup> 0.790 ± 0.041	<sup>6,7</sup> 0.788 ± 0.042	<sup>2,3,5,6,7</sup> 0.759 ± 0.052	<sup>6,7</sup> 0.789 ± 0.047	<sup>—</sup> 0.778 ± 0.052	<sup>—</sup> 0.780 ± 0.048
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>—</sup> 0.865 ± 0.098	<sup>1,4,7</sup> 0.894 ± 0.085	<sup>1,4</sup> 0.894 ± 0.076	<sup>—</sup> 0.888 ± 0.081	<sup>1,4,6,7</sup> 0.900 ± 0.076	<sup>1,4</sup> 0.900 ± 0.065	<sup>1,4</sup> 0.903 ± 0.060
<i>yeast5</i>	0.821 ± 0.064	<sup>—</sup> 0.929 ± 0.052	<sup>—</sup> 0.929 ± 0.048	<sup>—</sup> 0.906 ± 0.064	<sup>2,3,6</sup> 0.938 ± 0.052	<sup>—</sup> 0.938 ± 0.044	<sup>1</sup> 0.965 ± 0.032
<i>shuttle-c2-vs-c4</i>	0.585 ± 0.177	<sup>1</sup> 0.995 ± 0.034	<sup>1</sup> 0.995 ± 0.034	<sup>1</sup> 0.710 ± 0.231	<sup>1,4</sup> 0.930 ± 0.166	<sup>1,4,5</sup> 0.580 ± 0.161	<sup>all</sup> 0.930 ± 0.166
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	0.833 ± 0.100	<sup>1,4,6</sup> 0.852 ± 0.077	<sup>1,4,6</sup> 0.857 ± 0.076	<sup>1,6</sup> 0.855 ± 0.082	<sup>1,4,6</sup> 0.858 ± 0.082	<sup>—</sup> 0.839 ± 0.077	<sup>1,4,6</sup> 0.839 ± 0.071
<i>yeast-0-3-5-9-vs-7-8</i>	<sup>—</sup> 0.641 ± 0.058	<sup>6,7</sup> 0.707 ± 0.064	<sup>1,6,7</sup> 0.697 ± 0.070	<sup>2,6,7</sup> 0.629 ± 0.053	<sup>2,3,4,6,7</sup> 0.659 ± 0.062	<sup>—</sup> 0.702 ± 0.067	<sup>—</sup> 0.722 ± 0.055
<i>yeast-1-vs-7</i>	<sup>—</sup> 0.529 ± 0.043	<sup>1,3,4,5</sup> 0.631 ± 0.098	<sup>1,4,5</sup> 0.634 ± 0.099	<sup>—</sup> 0.620 ± 0.087	<sup>1,4</sup> 0.632 ± 0.101	<sup>1,4,5</sup> 0.644 ± 0.105	<sup>1,3,4,5,6</sup> 0.671 ± 0.111
<i>yeast-1-2-8-9-vs-7</i>	<sup>—</sup> 0.508 ± 0.024	<sup>1</sup> 0.623 ± 0.085	<sup>1,2</sup> 0.634 ± 0.088	<sup>1</sup> 0.574 ± 0.075	<sup>1</sup> 0.643 ± 0.092	<sup>1</sup> 0.630 ± 0.096	<sup>all</sup> 0.688 ± 0.086
<i>ecoli-0-1-4-6-vs-5</i>	<sup>—</sup> 0.886 ± 0.091	<sup>1,4</sup> 0.914 ± 0.073	<sup>1,4</sup> 0.913 ± 0.077	<sup>1</sup> 0.899 ± 0.087	<sup>1,4</sup> 0.909 ± 0.075	<sup>1,4</sup> 0.898 ± 0.088	<sup>all</sup> 0.909 ± 0.074
<i>glass-0-1-5-vs-2</i>	0.533 ± 0.066	<sup>—</sup> 0.670 ± 0.135	<sup>—</sup> 0.658 ± 0.131	<sup>6</sup> 0.708 ± 0.138	<sup>6,7</sup> 0.739 ± 0.108	<sup>—</sup> 0.711 ± 0.107	<sup>—</sup> 0.717 ± 0.107
<i>yeast-2-vs-4</i>	<sup>—</sup> 0.820 ± 0.066	<sup>1,3</sup> 0.873 ± 0.061	<sup>1</sup> 0.873 ± 0.062	<sup>1,2,3</sup> 0.835 ± 0.063	<sup>1,2,3,6,7</sup> 0.852 ± 0.064	<sup>1,2,3</sup> 0.862 ± 0.062	<sup>1,2,3</sup> 0.884 ± 0.059
<i>glass-0-6-vs-5</i>	<sup>—</sup> 0.714 ± 0.194	<sup>1,4,5,6</sup> 0.950 ± 0.086	<sup>1,4,5,6</sup> 0.945 ± 0.103	<sup>—</sup> 0.767 ± 0.183	<sup>1</sup> 0.900 ± 0.133	<sup>1,4</sup> 0.761 ± 0.182	<sup>1,4,5,6</sup> 0.905 ± 0.131
<i>glass2</i>	<sup>—</sup> 0.547 ± 0.083	<sup>1,4,5,6</sup> 0.707 ± 0.129	<sup>1,4,6</sup> 0.712 ± 0.116	<sup>—</sup> 0.735 ± 0.129	<sup>1,4,6</sup> 0.760 ± 0.118	<sup>—</sup> 0.729 ± 0.122	<sup>1,4,6</sup> 0.749 ± 0.109
<i>yeast-2-vs-8</i>	<sup>—</sup> 0.774 ± 0.114	<sup>1</sup> 0.774 ± 0.106	<sup>1</sup> 0.786 ± 0.105	<sup>1</sup> 0.773 ± 0.115	<sup>1,2,3,6,7</sup> 0.771 ± 0.116	<sup>1</sup> 0.781 ± 0.115	<sup>1,2,3</sup> 0.788 ± 0.108
<i>vowel0</i>	<sup>2,5</sup> 0.970 ± 0.038	<sup>4,5</sup> 0.990 ± 0.026	<sup>—</sup> 0.991 ± 0.026	<sup>5</sup> 0.836 ± 0.060	<sup>—</sup> 0.948 ± 0.058	<sup>—</sup> 0.963 ± 0.037	<sup>—</sup> 0.966 ± 0.042
<i>glass-0-4-vs-5</i>	<sup>4,5,6</sup> 0.744 ± 0.204	<sup>1,4,5,6,7</sup> 0.956 ± 0.096	<sup>1,4,5,6,7</sup> 0.959 ± 0.091	<sup>—</sup> 0.835 ± 0.164	<sup>4</sup> 0.957 ± 0.075	<sup>4</sup> 0.857 ± 0.165	<sup>4</sup> 0.957 ± 0.075
<i>glass-0-1-4-6-vs-2</i>	<sup>—</sup> 0.518 ± 0.062	<sup>1,4,6</sup> 0.700 ± 0.131	<sup>1,4,6</sup> 0.691 ± 0.140	<sup>—</sup> 0.697 ± 0.133	<sup>1,4,6</sup> 0.739 ± 0.125	<sup>1</sup> 0.729 ± 0.107	<sup>1,4,6</sup> 0.741 ± 0.108
<i>yeast4</i>	<sup>—</sup> 0.555 ± 0.043	<sup>1</sup> 0.717 ± 0.076	<sup>1</sup> 0.718 ± 0.080	<sup>1</sup> 0.716 ± 0.060	<sup>1,3,6</sup> 0.740 ± 0.069	<sup>1</sup> 0.768 ± 0.068	<sup>1,3,4</sup> 0.803 ± 0.064
<i>ecoli-0-4-6-vs-5</i>	<sup>—</sup> 0.901 ± 0.084	<sup>1</sup> 0.916 ± 0.081	<sup>1,2</sup> 0.912 ± 0.082	<sup>1</sup> 0.907 ± 0.079	<sup>1,2,4</sup> 0.907 ± 0.082	<sup>1,2,3,4,5</sup> 0.907 ± 0.081	<sup>all</sup> 0.905 ± 0.082
<i>page-blocks-1-3-vs-4</i>	<sup>—</sup> 0.818 ± 0.106	<sup>3,4,5,6,7</sup> 0.912 ± 0.091	<sup>7</sup> 0.903 ± 0.094	<sup>1,7</sup> 0.770 ± 0.106	<sup>1</sup> 0.837 ± 0.086	<sup>1,7</sup> 0.908 ± 0.082	<sup>1</sup> 0.909 ± 0.082
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	<sup>4</sup> 0.892 ± 0.042	<sup>1,4,5</sup> 0.896 ± 0.038	<sup>1,4,5</sup> 0.895 ± 0.039	<sup>—</sup> 0.898 ± 0.041	<sup>4</sup> 0.902 ± 0.041	<sup>1,4,5</sup> 0.894 ± 0.034	<sup>1,4,5</sup> 0.891 ± 0.036
<i>ecoli-0-1-vs-2-3-5</i>	<sup>—</sup> 0.833 ± 0.093	<sup>3</sup> 0.877 ± 0.089	<sup>—</sup> 0.873 ± 0.090	<sup>—</sup> 0.850 ± 0.092	<sup>1,6,7</sup> 0.857 ± 0.089	<sup>—</sup> 0.861 ± 0.089	<sup>—</sup> 0.852 ± 0.093
<i>ecoli-0-6-7-vs-3-5</i>	<sup>—</sup> 0.792 ± 0.119	<sup>1,7</sup> 0.863 ± 0.099	<sup>1,7</sup> 0.866 ± 0.095	<sup>1</sup> 0.827 ± 0.104	<sup>7</sup> 0.830 ± 0.108	<sup>7</sup> 0.833 ± 0.100	<sup>—</sup> 0.833 ± 0.091
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>—</sup> 0.869 ± 0.097	<sup>1,6,7</sup> 0.893 ± 0.075	<sup>1,6,7</sup> 0.893 ± 0.076	<sup>—</sup> 0.874 ± 0.082	<sup>—</sup> 0.898 ± 0.078	<sup>—</sup> 0.897 ± 0.086	<sup>1,6</sup> 0.900 ± 0.074
<i>ecoli-0-2-6-7-vs-3-5</i>	<sup>—</sup> 0.797 ± 0.125	<sup>—</sup> 0.859 ± 0.091	<sup>—</sup> 0.862 ± 0.081	<sup>—</sup> 0.832 ± 0.102	<sup>2,3</sup> 0.829 ± 0.101	<sup>—</sup> 0.841 ± 0.090	<sup>1,4</sup> 0.840 ± 0.082
<i>shuttle-c0-vs-c4</i>	<sup>—</sup> 0.996 ± 0.008	<sup>1,5,7</sup> 0.996 ± 0.008	<sup>1,5,7</sup> 0.996 ± 0.008	<sup>5</sup> 0.996 ± 0.008	<sup>—</sup> 0.996 ± 0.008	<sup>1,7</sup> 0.996 ± 0.008	<sup>1</sup> 0.996 ± 0.008
<i>ecoli-0-3-4-vs-5</i>	<sup>—</sup> 0.903 ± 0.105	<sup>—</sup> 0.912 ± 0.099	<sup>—</sup> 0.910 ± 0.099	<sup>—</sup> 0.911 ± 0.104	<sup>—</sup> 0.914 ± 0.103	<sup>—</sup> 0.916 ± 0.103	<sup>—</sup> 0.911 ± 0.102
	<sup>—</sup>	<sup>—</sup>	<sup>—</sup>	<sup>7</sup>	<sup>7</sup>	<sup>3,7</sup>	<sup>—</sup>

Table 1: Results for BAC metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	1.561	4.841	4.573	2.768	4.744	4.354	5.159
	<sup>—</sup>	<sup>1,4</sup>	<sup>1,4</sup>	<sup>1</sup>	<sup>1,4</sup>	<sup>1,4</sup>	<sup>1,4,6</sup>

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>glass4</i>	0.572 ± 0.309	0.660 ± 0.240	0.671 ± 0.240	0.535 ± 0.244	0.580 ± 0.251	0.518 ± 0.210	0.580 ± 0.232
<i>ecoli-0-2-3-4-vs-5</i>	<sup>4,6</sup> 0.852 ± 0.121	<sup>4,5,6,7</sup> 0.806 ± 0.127	<sup>4,5,6,7</sup> 0.793 ± 0.130	— 0.835 ± 0.132	<sup>6</sup> 0.815 ± 0.124	— 0.824 ± 0.136	<sup>6</sup> 0.793 ± 0.126
<i>glass-0-1-6-vs-2</i>	<sup>2,3,5,7</sup> 0.088 ± 0.169	— 0.321 ± 0.161	— 0.277 ± 0.144	<sup>3,7</sup> 0.336 ± 0.135	<sup>7</sup> 0.326 ± 0.093	<sup>3,7</sup> 0.311 ± 0.084	— 0.310 ± 0.082
<i>ecoli-0-1-vs-5</i>	— 0.855 ± 0.117	<sup>1,3</sup> 0.847 ± 0.105	<sup>1</sup> 0.827 ± 0.105	<sup>1,3</sup> 0.875 ± 0.105	<sup>1,6,7</sup> 0.868 ± 0.110	<sup>1</sup> 0.862 ± 0.108	<sup>1</sup> 0.849 ± 0.104
<i>yeast-1-4-5-8-vs-7</i>	— 0.004 ± 0.031	<sup>3</sup> 0.113 ± 0.102	— 0.121 ± 0.100	<sup>3,7</sup> 0.121 ± 0.100	<sup>3</sup> 0.143 ± 0.064	<sup>3</sup> 0.137 ± 0.069	— 0.139 ± 0.056
<i>ecoli4</i>	— 0.853 ± 0.143	<sup>1</sup> 0.773 ± 0.144	<sup>1</sup> 0.759 ± 0.144	<sup>1</sup> 0.874 ± 0.129	<sup>1,2,3</sup> 0.838 ± 0.131	<sup>1</sup> 0.775 ± 0.123	<sup>1,2</sup> 0.753 ± 0.130
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	<sup>2,3,6,7</sup> 0.388 ± 0.185	— 0.675 ± 0.087	— 0.619 ± 0.170	<sup>2,3,5,6,7</sup> 0.249 ± 0.219	<sup>2,3,6,7</sup> 0.397 ± 0.178	— 0.698 ± 0.103	— 0.540 ± 0.078
<i>glass5</i>	<sup>4</sup> 0.325 ± 0.332	<sup>1,4,5,7</sup> 0.524 ± 0.308	<sup>1,4,5,7</sup> 0.527 ± 0.325	— 0.519 ± 0.294	<sup>4</sup> 0.500 ± 0.229	<sup>1,3,4,5,7</sup> 0.463 ± 0.291	<sup>1,4,5</sup> 0.505 ± 0.233
<i>ecoli-0-3-4-6-vs-5</i>	— 0.853 ± 0.140	<sup>1,6</sup> 0.798 ± 0.136	<sup>1,6</sup> 0.786 ± 0.132	<sup>1,6</sup> 0.784 ± 0.151	<sup>1</sup> 0.781 ± 0.157	— 0.801 ± 0.151	<sup>1</sup> 0.758 ± 0.149
<i>yeast-0-5-6-7-9-vs-4</i>	<sup>all</sup> 0.405 ± 0.157	<sup>7</sup> 0.552 ± 0.090	— 0.545 ± 0.081	<sup>7</sup> 0.561 ± 0.098	<sup>7</sup> 0.559 ± 0.080	<sup>7</sup> 0.466 ± 0.066	— 0.440 ± 0.056
<i>yeast6</i>	— 0.553 ± 0.158	<sup>1,6,7</sup> 0.486 ± 0.116	<sup>1,6,7</sup> 0.474 ± 0.115	<sup>1,6,7</sup> 0.545 ± 0.126	<sup>1,6,7</sup> 0.512 ± 0.118	<sup>1,7</sup> 0.398 ± 0.076	— 0.369 ± 0.070
<i>ecoli-0-6-7-vs-5</i>	<sup>2,3,5,6,7</sup> 0.774 ± 0.170	<sup>3,6,7</sup> 0.717 ± 0.163	<sup>6,7</sup> 0.677 ± 0.159	<sup>2,3,5,6,7</sup> 0.782 ± 0.161	<sup>2,3,6,7</sup> 0.755 ± 0.172	<sup>7</sup> 0.732 ± 0.161	— 0.672 ± 0.158
<i>glass-0-1-6-vs-5</i>	<sup>2,3,7</sup> 0.332 ± 0.282	<sup>3,7</sup> 0.585 ± 0.253	— 0.564 ± 0.263	<sup>2,3,5,6,7</sup> 0.496 ± 0.285	<sup>2,3,7</sup> 0.589 ± 0.237	<sup>3,7</sup> 0.509 ± 0.271	— 0.584 ± 0.236
<i>ecoli-0-1-3-7-vs-2-6</i>	— 0.727 ± 0.386	<sup>1,4</sup> 0.549 ± 0.336	<sup>1</sup> 0.580 ± 0.348	<sup>1</sup> 0.713 ± 0.383	<sup>1,4</sup> 0.617 ± 0.368	<sup>1</sup> 0.418 ± 0.359	<sup>1,4</sup> 0.412 ± 0.273
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<sup>2,3,5,6,7</sup> 0.626 ± 0.075	<sup>6,7</sup> 0.557 ± 0.058	<sup>6,7</sup> 0.540 ± 0.057	<sup>2,3,5,6,7</sup> 0.618 ± 0.091	<sup>6,7</sup> 0.623 ± 0.079	— 0.481 ± 0.078	— 0.429 ± 0.053
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>2,3,6,7</sup> 0.812 ± 0.160	<sup>3,6,7</sup> 0.758 ± 0.136	<sup>6,7</sup> 0.746 ± 0.121	<sup>2,3,6,7</sup> 0.827 ± 0.108	<sup>2,3,6,7</sup> 0.832 ± 0.117	<sup>7</sup> 0.730 ± 0.120	— 0.719 ± 0.123
<i>yeast5</i>	<sup>2,3,6,7</sup> 0.706 ± 0.114	<sup>6,7</sup> 0.701 ± 0.083	— 0.695 ± 0.085	<sup>2,3,6,7</sup> 0.708 ± 0.090	<sup>2,3,6,7</sup> 0.700 ± 0.084	— 0.616 ± 0.070	— 0.634 ± 0.069
<i>shuttle-c2-vs-c4</i>	<sup>6,7</sup> 0.180 ± 0.366	<sup>6,7</sup> 0.993 ± 0.046	<sup>6,7</sup> 0.993 ± 0.046	<sup>6,7</sup> 0.440 ± 0.468	<sup>6,7</sup> 0.867 ± 0.326	— 0.180 ± 0.347	<sup>6</sup> 0.867 ± 0.326
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	— 0.773 ± 0.159	<sup>1,4,6</sup> 0.690 ± 0.110	<sup>1,4,6</sup> 0.681 ± 0.109	<sup>1,6</sup> 0.800 ± 0.117	<sup>1,4,6</sup> 0.769 ± 0.118	— 0.658 ± 0.116	<sup>1,4,6</sup> 0.598 ± 0.114
<i>yeast-0-3-5-9-vs-7-8</i>	<sup>2,3,6,7</sup> 0.397 ± 0.126	<sup>6,7</sup> 0.411 ± 0.091	<sup>7</sup> 0.389 ± 0.095	<sup>2,3,5,6,7</sup> 0.370 ± 0.121	<sup>2,3,6,7</sup> 0.396 ± 0.114	<sup>7</sup> 0.372 ± 0.080	— 0.355 ± 0.051
<i>yeast-1-vs-7</i>	<sup>7</sup> 0.101 ± 0.143	<sup>3,4,6,7</sup> 0.277 ± 0.146	<sup>7</sup> 0.271 ± 0.139	— 0.254 ± 0.126	<sup>4,7</sup> 0.243 ± 0.115	<sup>7</sup> 0.214 ± 0.080	— 0.225 ± 0.078
<i>yeast-1-2-8-9-vs-7</i>	— 0.026 ± 0.079	<sup>1,3,5,6,7</sup> 0.225 ± 0.133	<sup>1,5,6,7</sup> 0.235 ± 0.129	<sup>1,6</sup> 0.153 ± 0.124	<sup>1,6</sup> 0.186 ± 0.109	<sup>1</sup> 0.144 ± 0.069	<sup>1</sup> 0.174 ± 0.057
<i>ecoli-0-1-4-6-vs-5</i>	— 0.845 ± 0.127	<sup>1,4,5,6,7</sup> 0.820 ± 0.102	<sup>1,4,5,6,7</sup> 0.806 ± 0.108	<sup>1</sup> 0.846 ± 0.122	<sup>1,6</sup> 0.838 ± 0.101	<sup>1</sup> 0.813 ± 0.130	<sup>1,6</sup> 0.816 ± 0.104
<i>glass-0-1-5-vs-2</i>	<sup>3,6</sup> 0.113 ± 0.179	— 0.326 ± 0.160	— 0.309 ± 0.156	<sup>3,6,7</sup> 0.343 ± 0.138	<sup>3,7</sup> 0.339 ± 0.096	— 0.306 ± 0.088	— 0.308 ± 0.088
<i>yeast-2-vs-4</i>	— 0.752 ± 0.104	<sup>1,3</sup> 0.763 ± 0.089	<sup>1</sup> 0.754 ± 0.094	<sup>1,6,7</sup> 0.760 ± 0.094	<sup>1,6,7</sup> 0.769 ± 0.096	<sup>1</sup> 0.710 ± 0.091	<sup>1</sup> 0.679 ± 0.084
<i>glass-0-6-vs-5</i>	<sup>6,7</sup> 0.490 ± 0.393	<sup>6,7</sup> 0.837 ± 0.179	<sup>6,7</sup> 0.823 ± 0.213	<sup>6,7</sup> 0.610 ± 0.345	<sup>6,7</sup> 0.777 ± 0.234	<sup>7</sup> 0.575 ± 0.339	— 0.783 ± 0.230
<i>glass2</i>	— 0.152 ± 0.209	<sup>1,4,5,6</sup> 0.364 ± 0.161	<sup>1,4,6</sup> 0.365 ± 0.147	<sup>1</sup> 0.352 ± 0.134	<sup>1,4,6</sup> 0.341 ± 0.114	— 0.302 ± 0.102	<sup>1,4,6</sup> 0.313 ± 0.095
<i>yeast-2-vs-8</i>	— 0.661 ± 0.209	<sup>1,6,7</sup> 0.493 ± 0.144	<sup>1,5,6,7</sup> 0.486 ± 0.137	<sup>1,6,7</sup> 0.661 ± 0.209	<sup>1,6,7</sup> 0.632 ± 0.199	<sup>1</sup> 0.461 ± 0.163	<sup>1</sup> 0.373 ± 0.120
<i>vowel0</i>	<sup>2,3,5,6,7</sup> 0.963 ± 0.046	<sup>7</sup> 0.974 ± 0.040	<sup>7</sup> 0.981 ± 0.032	<sup>2,3,5,6,7</sup> 0.764 ± 0.093	<sup>2,3,6,7</sup> 0.901 ± 0.076	<sup>7</sup> 0.889 ± 0.058	— 0.906 ± 0.063
<i>glass-0-4-vs-5</i>	<sup>4,5,6,7</sup> 0.547 ± 0.415	<sup>1,4,5,6,7</sup> 0.861 ± 0.193	<sup>1,4,5,6,7</sup> 0.857 ± 0.198	— 0.693 ± 0.287	<sup>4</sup> 0.841 ± 0.193	<sup>4</sup> 0.709 ± 0.290	<sup>4,6</sup> 0.841 ± 0.193
<i>glass-0-1-4-6-vs-2</i>	— 0.074 ± 0.165	<sup>1,4,6</sup> 0.347 ± 0.161	<sup>1,4,6</sup> 0.333 ± 0.175	— 0.318 ± 0.141	<sup>1,4,6</sup> 0.324 ± 0.111	<sup>1</sup> 0.307 ± 0.098	<sup>1,4,6</sup> 0.310 ± 0.090
<i>yeast4</i>	— 0.170 ± 0.122	<sup>1,4,6,7</sup> 0.387 ± 0.114	<sup>1</sup> 0.373 ± 0.111	<sup>1</sup> 0.420 ± 0.106	<sup>1,6,7</sup> 0.411 ± 0.101	<sup>1</sup> 0.327 ± 0.063	<sup>1</sup> 0.326 ± 0.053
<i>ecoli-0-4-6-vs-5</i>	— 0.860 ± 0.134	<sup>1,3,6,7</sup> 0.846 ± 0.135	<sup>1,6,7</sup> 0.816 ± 0.140	<sup>1,2,3,6,7</sup> 0.808 ± 0.127	<sup>1,3,6,7</sup> 0.800 ± 0.140	<sup>1</sup> 0.816 ± 0.136	<sup>1</sup> 0.788 ± 0.140
<i>page-blocks-1-3-vs-4</i>	<sup>3,4,5,6,7</sup> 0.648 ± 0.152	<sup>3,4,5,6,7</sup> 0.676 ± 0.134	<sup>7</sup> 0.681 ± 0.132	<sup>7</sup> 0.584 ± 0.177	— 0.650 ± 0.136	<sup>7</sup> 0.608 ± 0.116	— 0.630 ± 0.121
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	— 0.829 ± 0.059	<sup>4,6,7</sup> 0.742 ± 0.053	<sup>4,6,7</sup> 0.733 ± 0.056	— 0.822 ± 0.058	<sup>4,6</sup> 0.798 ± 0.064	— 0.711 ± 0.061	— 0.636 ± 0.043
<i>ecoli-0-1-vs-2-3-5</i>	<sup>all</sup> 0.773 ± 0.150	<sup>3,6,7</sup> 0.733 ± 0.121	<sup>6,7</sup> 0.725 ± 0.125	<sup>2,3,5,6,7</sup> 0.800 ± 0.138	<sup>2,3,6,7</sup> 0.786 ± 0.131	<sup>7</sup> 0.783 ± 0.136	— 0.703 ± 0.139
<i>ecoli-0-6-7-vs-3-5</i>	<sup>2,3,7</sup> 0.689 ± 0.199	— 0.739 ± 0.165	— 0.729 ± 0.154	<sup>1,2,3,7</sup> 0.725 ± 0.182	<sup>2,3,7</sup> 0.714 ± 0.186	<sup>2,3,7</sup> 0.673 ± 0.179	— 0.635 ± 0.168
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>7</sup> 0.813 ± 0.131	<sup>6,7</sup> 0.757 ± 0.107	<sup>6,7</sup> 0.750 ± 0.113	<sup>6,7</sup> 0.797 ± 0.120	<sup>6,7</sup> 0.814 ± 0.111	<sup>7</sup> 0.738 ± 0.148	— 0.729 ± 0.118
<i>ecoli-0-2-6-7-vs-3-5</i>	<sup>2,3,6,7</sup> 0.699 ± 0.217	— 0.727 ± 0.140	— 0.724 ± 0.115	<sup>2,3,6,7</sup> 0.731 ± 0.174	<sup>2,3,6,7</sup> 0.701 ± 0.162	— 0.684 ± 0.145	— 0.633 ± 0.139
<i>shuttle-c0-vs-c4</i>	<sup>7</sup> 0.996 ± 0.008	<sup>7</sup> 0.996 ± 0.008	<sup>7</sup> 0.996 ± 0.008	<sup>5,6,7</sup> 0.995 ± 0.008	<sup>7</sup> 0.996 ± 0.008	<sup>7</sup> 0.995 ± 0.008	— 0.996 ± 0.008
<i>ecoli-0-3-4-vs-5</i>	— 0.861 ± 0.162	— 0.812 ± 0.159	— 0.801 ± 0.157	— 0.834 ± 0.165	— 0.827 ± 0.171	— 0.838 ± 0.169	— 0.804 ± 0.166
	<sup>2,3,4,5,7</sup>	—	—	<sup>7</sup>	<sup>7</sup>	<sup>3,7</sup>	—

Table 3: Results for F1 metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	3.902	4.963	4.134	4.780	4.878	2.878	2.463
	<sup>6,7</sup>	<sup>1,3,6,7</sup>	<sup>6,7</sup>	<sup>6,7</sup>	<sup>6,7</sup>	—	—

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>glass4</i>	$0.728 \pm 0.384$	$0.571 \pm 0.260$	$0.587 \pm 0.263$	$0.533 \pm 0.290$	$0.517 \pm 0.264$	$0.480 \pm 0.254$	$0.500 \pm 0.253$
<i>ecoli-0-2-3-4-vs-5</i>	$0.960 \pm 0.092$	$0.805 \pm 0.188$	$0.782 \pm 0.192$	$0.867 \pm 0.178$	$0.825 \pm 0.176$	$0.838 \pm 0.187$	$0.781 \pm 0.180$
<i>glass-0-1-6-vs-2</i>	$0.161 \pm 0.334$	$0.243 \pm 0.141$	$0.208 \pm 0.121$	$0.240 \pm 0.113$	$0.211 \pm 0.068$	$0.195 \pm 0.060$	$0.194 \pm 0.059$
<i>ecoli-0-1-vs-5</i>	$0.972 \pm 0.076$	$0.868 \pm 0.135$	$0.831 \pm 0.144$	$0.966 \pm 0.085$	$0.926 \pm 0.116$	$0.919 \pm 0.125$	$0.883 \pm 0.133$
<i>yeast-1-4-5-8-vs-7</i>	$0.007 \pm 0.046$	$0.090 \pm 0.082$	$0.092 \pm 0.076$	$0.089 \pm 0.075$	$0.094 \pm 0.043$	$0.083 \pm 0.042$	$0.082 \pm 0.033$
<i>ecoli4</i>	$0.973 \pm 0.073$	$0.754 \pm 0.193$	$0.729 \pm 0.190$	$0.922 \pm 0.118$	$0.832 \pm 0.162$	$0.733 \pm 0.185$	$0.702 \pm 0.198$
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	$0.782 \pm 0.304$	$0.564 \pm 0.090$	$0.533 \pm 0.131$	$0.511 \pm 0.406$	$0.498 \pm 0.239$	$0.661 \pm 0.120$	$0.406 \pm 0.096$
<i>glass5</i>	$0.377 \pm 0.406$	$0.464 \pm 0.311$	$0.465 \pm 0.322$	$0.466 \pm 0.318$	$0.386 \pm 0.208$	$0.409 \pm 0.313$	$0.389 \pm 0.211$
<i>ecoli-0-3-4-6-vs-5</i>	$0.946 \pm 0.119$	$0.787 \pm 0.171$	$0.766 \pm 0.163$	$0.773 \pm 0.177$	$0.753 \pm 0.180$	$0.780 \pm 0.173$	$0.716 \pm 0.176$
<i>yeast-0-5-6-7-9-vs-4</i>	$0.647 \pm 0.237$	$0.480 \pm 0.096$	$0.463 \pm 0.085$	$0.564 \pm 0.123$	$0.493 \pm 0.102$	$0.341 \pm 0.063$	$0.304 \pm 0.046$
<i>yeast6</i>	$0.626 \pm 0.178$	$0.392 \pm 0.105$	$0.379 \pm 0.104$	$0.475 \pm 0.123$	$0.416 \pm 0.110$	$0.268 \pm 0.063$	$0.241 \pm 0.058$
<i>ecoli-0-6-7-vs-5</i>	$0.953 \pm 0.114$	$0.693 \pm 0.204$	$0.637 \pm 0.196$	$0.852 \pm 0.181$	$0.774 \pm 0.201$	$0.729 \pm 0.221$	$0.613 \pm 0.183$
<i>glass-0-1-6-vs-5</i>	$0.373 \pm 0.371$	$0.514 \pm 0.277$	$0.494 \pm 0.275$	$0.449 \pm 0.290$	$0.477 \pm 0.232$	$0.480 \pm 0.302$	$0.471 \pm 0.233$
<i>ecoli-0-1-3-7-vs-2-6</i>	$0.790 \pm 0.401$	$0.534 \pm 0.383$	$0.573 \pm 0.392$	$0.770 \pm 0.402$	$0.614 \pm 0.401$	$0.454 \pm 0.426$	$0.368 \pm 0.326$
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	$0.779 \pm 0.092$	$0.488 \pm 0.061$	$0.459 \pm 0.056$	$0.737 \pm 0.102$	$0.640 \pm 0.091$	$0.378 \pm 0.087$	$0.302 \pm 0.045$
<i>ecoli-0-1-4-7-vs-5-6</i>	$0.967 \pm 0.091$	$0.749 \pm 0.175$	$0.713 \pm 0.162$	$0.906 \pm 0.122$	$0.876 \pm 0.143$	$0.671 \pm 0.172$	$0.651 \pm 0.188$
<i>yeast5</i>	$0.794 \pm 0.140$	$0.591 \pm 0.094$	$0.581 \pm 0.093$	$0.628 \pm 0.096$	$0.580 \pm 0.090$	$0.470 \pm 0.071$	$0.476 \pm 0.074$
<i>shuttle-c2-vs-c4</i>	$0.200 \pm 0.400$	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$0.480 \pm 0.499$	$0.880 \pm 0.324$	$0.220 \pm 0.414$	$0.880 \pm 0.324$
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	$0.979 \pm 0.065$	$0.672 \pm 0.148$	$0.648 \pm 0.149$	$0.947 \pm 0.106$	$0.849 \pm 0.131$	$0.644 \pm 0.185$	$0.528 \pm 0.170$
<i>yeast-0-3-5-9-vs-7-8</i>	$0.605 \pm 0.176$	$0.342 \pm 0.086$	$0.316 \pm 0.084$	$0.592 \pm 0.213$	$0.449 \pm 0.143$	$0.284 \pm 0.074$	$0.242 \pm 0.039$
<i>yeast-1-vs-7</i>	$0.330 \pm 0.464$	$0.249 \pm 0.140$	$0.230 \pm 0.120$	$0.228 \pm 0.128$	$0.190 \pm 0.109$	$0.137 \pm 0.052$	$0.140 \pm 0.049$
<i>yeast-1-2-8-9-vs-7</i>	$0.070 \pm 0.223$	$0.191 \pm 0.122$	$0.195 \pm 0.112$	$0.138 \pm 0.128$	$0.132 \pm 0.098$	$0.088 \pm 0.044$	$0.105 \pm 0.035$
<i>ecoli-0-1-4-6-vs-5</i>	$0.960 \pm 0.100$	$0.825 \pm 0.148$	$0.797 \pm 0.148$	$0.921 \pm 0.125$	$0.877 \pm 0.134$	$0.846 \pm 0.153$	$0.833 \pm 0.156$
<i>glass-0-1-5-vs-2</i>	$0.186 \pm 0.333$	$0.250 \pm 0.122$	$0.235 \pm 0.119$	$0.240 \pm 0.099$	$0.220 \pm 0.070$	$0.194 \pm 0.060$	$0.193 \pm 0.060$
<i>yeast-2-vs-4</i>	$0.922 \pm 0.095$	$0.769 \pm 0.113$	$0.746 \pm 0.114$	$0.877 \pm 0.098$	$0.842 \pm 0.106$	$0.675 \pm 0.112$	$0.582 \pm 0.104$
<i>glass-0-6-vs-5</i>	$0.600 \pm 0.469$	$0.815 \pm 0.237$	$0.795 \pm 0.262$	$0.740 \pm 0.402$	$0.792 \pm 0.275$	$0.687 \pm 0.407$	$0.795 \pm 0.272$
<i>glass2</i>	$0.260 \pm 0.387$	$0.291 \pm 0.140$	$0.285 \pm 0.131$	$0.251 \pm 0.105$	$0.224 \pm 0.085$	$0.193 \pm 0.072$	$0.198 \pm 0.066$
<i>yeast-2-vs-8</i>	$0.908 \pm 0.200$	$0.485 \pm 0.207$	$0.440 \pm 0.173$	$0.908 \pm 0.200$	$0.834 \pm 0.227$	$0.416 \pm 0.202$	$0.270 \pm 0.104$
<i>vowel0</i>	$0.989 \pm 0.027$	$0.967 \pm 0.050$	$0.982 \pm 0.032$	$0.888 \pm 0.094$	$0.906 \pm 0.074$	$0.845 \pm 0.073$	$0.876 \pm 0.078$
<i>glass-0-4-vs-5</i>	$0.660 \pm 0.473$	$0.828 \pm 0.235$	$0.815 \pm 0.243$	$0.768 \pm 0.335$	$0.801 \pm 0.259$	$0.746 \pm 0.332$	$0.801 \pm 0.259$
<i>glass-0-1-4-6-vs-2</i>	$0.133 \pm 0.310$	$0.261 \pm 0.124$	$0.250 \pm 0.136$	$0.226 \pm 0.102$	$0.210 \pm 0.074$	$0.194 \pm 0.069$	$0.194 \pm 0.060$
<i>yeast4</i>	$0.358 \pm 0.276$	$0.342 \pm 0.115$	$0.315 \pm 0.096$	$0.399 \pm 0.122$	$0.351 \pm 0.097$	$0.225 \pm 0.044$	$0.214 \pm 0.036$
<i>ecoli-0-4-6-vs-5</i>	$0.935 \pm 0.135$	$0.868 \pm 0.169$	$0.804 \pm 0.172$	$0.803 \pm 0.171$	$0.781 \pm 0.181$	$0.817 \pm 0.182$	$0.763 \pm 0.188$
<i>page-blocks-1-3-vs-4</i>	$0.686 \pm 0.174$	$0.567 \pm 0.139$	$0.589 \pm 0.143$	$0.657 \pm 0.206$	$0.633 \pm 0.175$	$0.474 \pm 0.115$	$0.508 \pm 0.140$
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	$0.871 \pm 0.068$	$0.671 \pm 0.069$	$0.656 \pm 0.073$	$0.837 \pm 0.067$	$0.776 \pm 0.083$	$0.619 \pm 0.087$	$0.502 \pm 0.052$
<i>ecoli-0-1-vs-2-3-5</i>	$0.968 \pm 0.081$	$0.726 \pm 0.165$	$0.711 \pm 0.155$	$0.970 \pm 0.084$	$0.901 \pm 0.127$	$0.878 \pm 0.149$	$0.714 \pm 0.199$
<i>ecoli-0-6-7-vs-3-5</i>	$0.907 \pm 0.169$	$0.761 \pm 0.212$	$0.733 \pm 0.200$	$0.822 \pm 0.201$	$0.783 \pm 0.213$	$0.669 \pm 0.212$	$0.594 \pm 0.219$
<i>ecoli-0-3-4-7-vs-5-6</i>	$0.944 \pm 0.091$	$0.730 \pm 0.150$	$0.716 \pm 0.160$	$0.859 \pm 0.131$	$0.829 \pm 0.118$	$0.675 \pm 0.172$	$0.657 \pm 0.147$
<i>ecoli-0-2-6-7-vs-3-5</i>	$0.933 \pm 0.175$	$0.760 \pm 0.202$	$0.749 \pm 0.199$	$0.815 \pm 0.183$	$0.753 \pm 0.194$	$0.672 \pm 0.185$	$0.575 \pm 0.182$
<i>shuttle-c0-vs-c4</i>	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$1.000 \pm 0.000$
<i>ecoli-0-3-4-vs-5</i>	$0.958 \pm 0.111$	$0.826 \pm 0.183$	$0.807 \pm 0.182$	$0.858 \pm 0.168$	$0.833 \pm 0.183$	$0.854 \pm 0.176$	$0.792 \pm 0.184$

Table 5: Results for Precision metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	5.354	4.695	3.854	5.207	4.293	2.732	1.866
	5,6,7	3,6,7	6,7	3,5,6,7	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>glass4</i>	0.513 ± 0.310	0.857 ± 0.278	0.857 ± 0.278	0.600 ± 0.288	0.740 ± 0.318	0.643 ± 0.260	0.793 ± 0.301
<i>ecoli-0-2-3-4-vs-5</i>	—	<sup>1,4,5,6</sup> 0.850 ± 0.158	<sup>1,4,5,6</sup> 0.850 ± 0.158	<sup>1</sup> 0.835 ± 0.155	<sup>1,4,6</sup> 0.840 ± 0.156	<sup>1</sup> 0.845 ± 0.157	<sup>1,4,6</sup> 0.845 ± 0.157
<i>glass-0-1-6-vs-2</i>	0.065 ± 0.123	<sup>1</sup> 0.517 ± 0.254	<sup>1</sup> 0.457 ± 0.252	<sup>1</sup> 0.623 ± 0.274	<sup>1</sup> 0.762 ± 0.211	<sup>1</sup> 0.805 ± 0.196	<sup>1</sup> 0.815 ± 0.193
<i>ecoli-0-1-vs-5</i>	0.785 ± 0.180	<sup>1,3</sup> 0.850 ± 0.150	<sup>1</sup> 0.850 ± 0.150	<sup>1,2,3</sup> 0.815 ± 0.156	<sup>1,2,3,4</sup> 0.835 ± 0.155	<sup>1,2,3,4</sup> 0.835 ± 0.155	<sup>1,2,3,4</sup> 0.840 ± 0.147
<i>yeast-1-4-5-8-vs-7</i>	0.003 ± 0.023	<sup>1</sup> 0.160 ± 0.156	<sup>1</sup> 0.183 ± 0.160	—	<sup>1</sup> 0.333 ± 0.173	<sup>1</sup> 0.403 ± 0.205	<sup>1</sup> 0.463 ± 0.186
<i>ecoli4</i>	0.790 ± 0.202	<sup>1</sup> 0.860 ± 0.194	<sup>1</sup> 0.860 ± 0.194	<sup>1</sup> 0.855 ± 0.180	<sup>1,2,3,4</sup> 0.880 ± 0.174	<sup>1,2,3,4,5</sup> 0.880 ± 0.167	<sup>all</sup> 0.885 ± 0.174
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	0.279 ± 0.155	<sup>1</sup> 0.861 ± 0.135	<sup>1</sup> 0.775 ± 0.249	<sup>1</sup> 0.185 ± 0.182	<sup>1</sup> 0.347 ± 0.171	<sup>1</sup> 0.775 ± 0.168	<sup>1</sup> 0.870 ± 0.139
<i>glass5</i>	<sup>4</sup> 0.310 ± 0.330	<sup>1,3,4,5,6</sup> 0.680 ± 0.396	<sup>1,4,5</sup> 0.680 ± 0.409	—	<sup>1,4</sup> 0.800 ± 0.346	<sup>1,4,5</sup> 0.640 ± 0.374	<sup>1,3,4,5,6</sup> 0.810 ± 0.344
<i>ecoli-0-3-4-6-vs-5</i>	0.795 ± 0.185	<sup>1</sup> 0.845 ± 0.179	<sup>1</sup> 0.845 ± 0.179	<sup>1</sup> 0.815 ± 0.164	<sup>1,2,3,4,6</sup> 0.835 ± 0.177	<sup>1</sup> 0.845 ± 0.172	<sup>1,2,3,4,6</sup> 0.835 ± 0.177
<i>yeast-0-5-6-7-9-vs-4</i>	0.317 ± 0.153	<sup>1</sup> 0.667 ± 0.136	<sup>1</sup> 0.681 ± 0.129	—	—	<sup>1</sup> 0.766 ± 0.123	—
<i>yeast6</i>	0.523 ± 0.184	<sup>1,4</sup> 0.669 ± 0.177	<sup>1,4</sup> 0.663 ± 0.168	<sup>1</sup> 0.660 ± 0.166	<sup>1,4</sup> 0.694 ± 0.173	<sup>1,2,3,4,5</sup> 0.803 ± 0.130	<sup>all</sup> 0.823 ± 0.123
<i>ecoli-0-6-7-vs-5</i>	0.685 ± 0.216	<sup>1</sup> 0.795 ± 0.204	<sup>1</sup> 0.785 ± 0.206	<sup>1</sup> 0.745 ± 0.190	<sup>1,4</sup> 0.765 ± 0.202	<sup>1,2,3,4,5</sup> 0.785 ± 0.187	<sup>1,2,3,4,5</sup> 0.795 ± 0.216
<i>glass-0-1-6-vs-5</i>	0.360 ± 0.316	<sup>1,4</sup> 0.780 ± 0.318	<sup>1</sup> 0.750 ± 0.335	<sup>1</sup> 0.630 ± 0.357	<sup>1</sup> 0.850 ± 0.287	<sup>1</sup> 0.630 ± 0.343	<sup>1,4</sup> 0.850 ± 0.287
<i>ecoli-0-1-3-7-vs-2-6</i>	0.700 ± 0.400	<sup>1,4,6</sup> 0.700 ± 0.400	<sup>1</sup> 0.700 ± 0.400	<sup>1</sup> 0.700 ± 0.400	<sup>1,3,4,6</sup> 0.700 ± 0.400	<sup>1</sup> 0.460 ± 0.397	<sup>1,3,4,6</sup> 0.700 ± 0.400
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<sup>6</sup> 0.529 ± 0.083	<sup>6</sup> 0.657 ± 0.084	<sup>6</sup> 0.664 ± 0.085	<sup>6</sup> 0.540 ± 0.103	<sup>6</sup> 0.616 ± 0.095	—	<sup>6</sup> 0.755 ± 0.104
<i>ecoli-0-1-4-7-vs-5-6</i>	0.732 ± 0.198	<sup>1,4,5</sup> 0.816 ± 0.173	<sup>1,4,5</sup> 0.820 ± 0.156	—	<sup>1,4</sup> 0.812 ± 0.151	<sup>1,2,3,4,5</sup> 0.840 ± 0.132	<sup>all</sup> 0.852 ± 0.125
<i>yeast5</i>	0.647 ± 0.127	<sup>1</sup> 0.878 ± 0.104	<sup>1</sup> 0.877 ± 0.095	—	<sup>1</sup> 0.896 ± 0.103	<sup>1,4</sup> 0.908 ± 0.089	<sup>1,4,5</sup> 0.964 ± 0.064
<i>shuttle-c2-vs-c4</i>	0.170 ± 0.355	<sup>1,4</sup> 0.990 ± 0.069	<sup>1,4</sup> 0.990 ± 0.069	<sup>1</sup> 0.420 ± 0.462	<sup>1,4</sup> 0.860 ± 0.332	<sup>1,4</sup> 0.160 ± 0.323	<sup>all</sup> 0.860 ± 0.332
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	0.668 ± 0.202	<sup>1,4,6</sup> 0.744 ± 0.158	<sup>1,4,6</sup> 0.758 ± 0.159	<sup>1,6</sup> 0.715 ± 0.167	<sup>1,4,6</sup> 0.730 ± 0.167	—	<sup>1,4,6</sup> 0.755 ± 0.150
<i>yeast-0-3-5-9-vs-7-8</i>	0.306 ± 0.115	<sup>1</sup> 0.530 ± 0.125	<sup>1,4</sup> 0.522 ± 0.140	<sup>1</sup> 0.284 ± 0.108	<sup>1</sup> 0.372 ± 0.124	<sup>1</sup> 0.572 ± 0.141	<sup>1,4</sup> 0.682 ± 0.127
<i>yeast-1-vs-7</i>	0.060 ± 0.086	<sup>1,4,5</sup> 0.340 ± 0.194	<sup>1,4,5</sup> 0.353 ± 0.196	—	<sup>1,4</sup> 0.387 ± 0.217	<sup>1,2,3,4,5</sup> 0.520 ± 0.217	<sup>all</sup> 0.600 ± 0.230
<i>yeast-1-2-8-9-vs-7</i>	0.017 ± 0.049	<sup>1</sup> 0.287 ± 0.170	<sup>1</sup> 0.313 ± 0.175	<sup>1</sup> 0.190 ± 0.149	<sup>1,4</sup> 0.373 ± 0.195	<sup>1,2,3,4,5</sup> 0.397 ± 0.191	<sup>all</sup> 0.523 ± 0.173
<i>ecoli-0-1-4-6-vs-5</i>	0.775 ± 0.182	<sup>1,4</sup> 0.845 ± 0.149	<sup>1,4</sup> 0.845 ± 0.157	<sup>1</sup> 0.805 ± 0.175	<sup>1,2,3,4</sup> 0.830 ± 0.153	<sup>1,2,3,4</sup> 0.810 ± 0.177	<sup>all</sup> 0.835 ± 0.155
<i>glass-0-1-5-vs-2</i>	0.090 ± 0.139	<sup>1</sup> 0.497 ± 0.267	<sup>1</sup> 0.483 ± 0.262	—	<sup>1</sup> 0.783 ± 0.226	—	<sup>1</sup> 0.800 ± 0.226
<i>yeast-2-vs-4</i>	0.647 ± 0.132	<sup>1</sup> 0.774 ± 0.123	<sup>1</sup> 0.778 ± 0.125	<sup>1,2,3</sup> 0.682 ± 0.126	<sup>1,2,3,4</sup> 0.719 ± 0.127	<sup>1,2,3,4</sup> 0.768 ± 0.126	<sup>1,2,3,4</sup> 0.838 ± 0.124
<i>glass-0-6-vs-5</i>	0.440 ± 0.382	<sup>1,4,5</sup> 0.930 ± 0.173	<sup>1,4,5</sup> 0.920 ± 0.208	<sup>1</sup> 0.550 ± 0.350	<sup>1,4</sup> 0.830 ± 0.257	<sup>1,4,5</sup> 0.540 ± 0.358	<sup>all</sup> 0.840 ± 0.253
<i>glass2</i>	0.117 ± 0.164	<sup>1,4,5,6</sup> 0.533 ± 0.260	<sup>1,4,6</sup> 0.547 ± 0.236	<sup>1</sup> 0.642 ± 0.261	<sup>1,4,6</sup> 0.755 ± 0.231	—	<sup>1,4,6</sup> 0.778 ± 0.208
<i>yeast-2-vs-8</i>	0.550 ± 0.229	<sup>1</sup> 0.580 ± 0.220	<sup>1</sup> 0.610 ± 0.218	<sup>1,2,3</sup> 0.550 ± 0.229	<sup>1,2,3,4</sup> 0.550 ± 0.229	<sup>1,2,3,4</sup> 0.610 ± 0.235	<sup>1,2,3,4</sup> 0.660 ± 0.222
<i>vowel0</i>	0.941 ± 0.077	—	<sup>1,4,5</sup> 0.983 ± 0.053	—	—	<sup>1,4,5</sup> 0.943 ± 0.073	<sup>all</sup> 0.946 ± 0.084
<i>glass-0-4-vs-5</i>	<sup>4</sup> 0.490 ± 0.406	<sup>1,4,5,6,7</sup> 0.940 ± 0.190	<sup>1,4,5,6,7</sup> 0.950 ± 0.180	—	<sup>4</sup> 0.960 ± 0.135	<sup>4</sup> 0.750 ± 0.335	<sup>4,5</sup> 0.960 ± 0.135
<i>glass-0-1-4-6-vs-2</i>	0.055 ± 0.122	<sup>1,4,6</sup> 0.538 ± 0.259	<sup>1,4,6</sup> 0.520 ± 0.281	<sup>1</sup> 0.573 ± 0.276	<sup>1,4,6</sup> 0.732 ± 0.242	<sup>1</sup> 0.757 ± 0.199	<sup>1,4,6</sup> 0.790 ± 0.198
<i>yeast4</i>	0.117 ± 0.088	<sup>1</sup> 0.468 ± 0.154	<sup>1</sup> 0.474 ± 0.162	<sup>1</sup> 0.459 ± 0.119	<sup>1,2,3,4</sup> 0.515 ± 0.139	<sup>1,2,3,4</sup> 0.611 ± 0.142	<sup>1,2,3,4,5</sup> 0.699 ± 0.135
<i>ecoli-0-4-6-vs-5</i>	0.810 ± 0.162	<sup>1</sup> 0.850 ± 0.158	<sup>1</sup> 0.850 ± 0.158	<sup>1</sup> 0.840 ± 0.156	<sup>1,2,4</sup> 0.845 ± 0.157	<sup>1,2,3,4,5</sup> 0.840 ± 0.156	<sup>all</sup> 0.845 ± 0.157
<i>page-blocks-1-3-vs-4</i>	0.657 ± 0.217	—	—	—	—	—	—
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	<sup>4</sup> 0.797 ± 0.084	<sup>1,4,5</sup> 0.839 ± 0.078	<sup>1,4,5</sup> 0.840 ± 0.080	—	<sup>1,4</sup> 0.830 ± 0.083	<sup>1,4,5</sup> 0.848 ± 0.070	<sup>1,4,5</sup> 0.880 ± 0.081
<i>ecoli-0-1-vs-2-3-5</i>	0.670 ± 0.187	<sup>1,4</sup> 0.792 ± 0.184	<sup>1,4</sup> 0.787 ± 0.186	<sup>1</sup> 0.703 ± 0.184	<sup>1,4</sup> 0.724 ± 0.180	<sup>1,4,5</sup> 0.736 ± 0.178	<sup>all</sup> 0.745 ± 0.190
<i>ecoli-0-6-7-vs-3-5</i>	0.593 ± 0.237	<sup>1,4,5,6,7</sup> 0.760 ± 0.196	<sup>1,4,5,6,7</sup> 0.770 ± 0.189	—	<sup>1</sup> 0.685 ± 0.206	<sup>1</sup> 0.712 ± 0.193	<sup>1,4</sup> 0.736 ± 0.175
<i>ecoli-0-3-4-7-vs-5-6</i>	0.744 ± 0.196	<sup>1,4,5</sup> 0.824 ± 0.158	<sup>1,4,5,6</sup> 0.828 ± 0.160	<sup>1</sup> 0.764 ± 0.163	<sup>1</sup> 0.816 ± 0.154	<sup>1</sup> 0.844 ± 0.166	<sup>1,4,5</sup> 0.856 ± 0.149
<i>ecoli-0-2-6-7-vs-3-5</i>	0.597 ± 0.251	<sup>1,4</sup> 0.754 ± 0.193	<sup>1,4</sup> 0.764 ± 0.177	—	<sup>1,4</sup> 0.686 ± 0.201	<sup>1,4</sup> 0.727 ± 0.179	<sup>1,4,5</sup> 0.755 ± 0.161
<i>shuttle-c0-vs-c4</i>	0.992 ± 0.016	<sup>1,4,5</sup> 0.992 ± 0.016	<sup>1,4,5</sup> 0.992 ± 0.016	<sup>1</sup> 0.991 ± 0.016	<sup>1</sup> 0.992 ± 0.016	<sup>1,4</sup> 0.991 ± 0.016	<sup>1,4,5</sup> 0.992 ± 0.016
<i>ecoli-0-3-4-vs-5</i>	0.810 ± 0.209	—	—	—	—	—	—

Table 7: Results for Recall metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	1.354	4.695	4.841	2.341	4.146	4.500	6.122
	—	<sup>1,4</sup>	<sup>1,4</sup>	1	<sup>1,4</sup>	<sup>1,4</sup>	<sup>all</sup>

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>glass4</i>	0.750 ± 0.158	0.904 ± 0.142	0.905 ± 0.142	0.779 ± 0.148	0.843 ± 0.163	0.794 ± 0.131	0.866 ± 0.152
<i>ecoli-0-2-3-4-vs-5</i>	<sup>−</sup> 0.890 ± 0.083	<sup>1,4,5,6,7</sup> 0.910 ± 0.078	<sup>1,4,5,6,7</sup> 0.908 ± 0.078	<sup>−</sup> 0.908 ± 0.079	<sup>1,6</sup> 0.907 ± 0.078	<sup>−</sup> 0.910 ± 0.081	<sup>1,4,6</sup> 0.906 ± 0.078
<i>glass-0-1-6-vs-2</i>	<sup>−</sup> 0.522 ± 0.062	<sup>−</sup> 0.676 ± 0.132	<sup>−</sup> 0.643 ± 0.124	<sup>3,7</sup> 0.712 ± 0.136	<sup>7</sup> 0.739 ± 0.101	<sup>3,7</sup> 0.737 ± 0.099	<sup>−</sup> 0.738 ± 0.096
<i>ecoli-0-1-vs-5</i>	<sup>−</sup> 0.891 ± 0.089	<sup>1,3</sup> 0.918 ± 0.074	<sup>1</sup> 0.916 ± 0.073	<sup>1,3</sup> 0.906 ± 0.078	<sup>1,2,3,6,7</sup> 0.914 ± 0.077	<sup>1,2,3</sup> 0.913 ± 0.077	<sup>1,2,3</sup> 0.914 ± 0.073
<i>yeast-1-4-5-8-vs-7</i>	<sup>−</sup> 0.501 ± 0.010	<sup>3</sup> 0.547 ± 0.075	<sup>4,5,6</sup> 0.553 ± 0.077	<sup>−</sup> 0.556 ± 0.081	<sup>−</sup> 0.593 ± 0.081	<sup>−</sup> 0.600 ± 0.102	<sup>−</sup> 0.613 ± 0.096
<i>ecoli4</i>	<sup>−</sup> 0.894 ± 0.100	<sup>1</sup> 0.918 ± 0.094	<sup>1</sup> 0.917 ± 0.094	<sup>1</sup> 0.925 ± 0.090	<sup>1,2,3,4</sup> 0.933 ± 0.086	<sup>1,2,3,4</sup> 0.927 ± 0.080	<sup>1,2,3,4</sup> 0.927 ± 0.083
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	<sup>−</sup> 0.635 ± 0.077	<sup>−</sup> 0.899 ± 0.066	<sup>−</sup> 0.857 ± 0.121	<sup>2,3</sup> 0.585 ± 0.091	<sup>2,3,4,6,7</sup> 0.657 ± 0.088	<sup>4</sup> 0.867 ± 0.080	<sup>4</sup> 0.871 ± 0.058
<i>glass5</i>	<sup>4</sup> 0.648 ± 0.165	<sup>all</sup> 0.823 ± 0.196	<sup>1,4,5</sup> 0.823 ± 0.203	<sup>−</sup> 0.824 ± 0.187	<sup>1,4</sup> 0.870 ± 0.172	<sup>1,4,5</sup> 0.795 ± 0.187	<sup>1,4,5</sup> 0.875 ± 0.171
<i>ecoli-0-3-4-6-vs-5</i>	<sup>−</sup> 0.895 ± 0.094	<sup>1,6</sup> 0.908 ± 0.089	<sup>1,6</sup> 0.906 ± 0.089	<sup>1,6</sup> 0.893 ± 0.087	<sup>1</sup> 0.901 ± 0.093	<sup>1</sup> 0.908 ± 0.090	<sup>1</sup> 0.897 ± 0.092
<i>yeast-0-5-6-7-9-vs-4</i>	<sup>4</sup> 0.649 ± 0.074	<sup>7</sup> 0.793 ± 0.065	<sup>7</sup> 0.797 ± 0.061	<sup>−</sup> 0.764 ± 0.062	<sup>1,7</sup> 0.795 ± 0.053	<sup>7</sup> 0.800 ± 0.057	<sup>1,4</sup> 0.805 ± 0.051
<i>yeast6</i>	<sup>−</sup> 0.757 ± 0.091	<sup>1,4</sup> 0.821 ± 0.087	<sup>1,4</sup> 0.818 ± 0.083	<sup>1</sup> 0.821 ± 0.083	<sup>1,4</sup> 0.835 ± 0.086	<sup>1,4</sup> 0.874 ± 0.063	<sup>1,4</sup> 0.879 ± 0.059
<i>ecoli-0-6-7-vs-5</i>	<sup>−</sup> 0.840 ± 0.108	<sup>1,3</sup> 0.875 ± 0.101	<sup>1</sup> 0.865 ± 0.100	<sup>1,3</sup> 0.865 ± 0.098	<sup>1,2,3</sup> 0.869 ± 0.105	<sup>1,2,3,4,5</sup> 0.873 ± 0.096	<sup>all</sup> 0.868 ± 0.108
<i>glass-0-1-6-vs-5</i>	<sup>−</sup> 0.668 ± 0.151	<sup>3,7</sup> 0.868 ± 0.157	<sup>−</sup> 0.853 ± 0.165	<sup>−</sup> 0.794 ± 0.175	<sup>3,4,7</sup> 0.898 ± 0.145	<sup>3,7</sup> 0.795 ± 0.169	<sup>−</sup> 0.897 ± 0.145
<i>ecoli-0-1-3-7-vs-2-6</i>	<sup>−</sup> 0.850 ± 0.200	<sup>1,4</sup> 0.841 ± 0.197	<sup>1</sup> 0.843 ± 0.198	<sup>1</sup> 0.849 ± 0.200	<sup>1,4</sup> 0.840 ± 0.205	<sup>1</sup> 0.718 ± 0.203	<sup>1,4</sup> 0.825 ± 0.195
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<sup>2,3,5,6,7</sup> 0.756 ± 0.042	<sup>6,7</sup> 0.790 ± 0.041	<sup>6,7</sup> 0.788 ± 0.042	<sup>2,3,5,6,7</sup> 0.759 ± 0.052	<sup>6,7</sup> 0.789 ± 0.047	<sup>−</sup> 0.778 ± 0.052	<sup>−</sup> 0.780 ± 0.048
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>−</sup> 0.865 ± 0.098	<sup>1,4,7</sup> 0.894 ± 0.085	<sup>1,4</sup> 0.894 ± 0.076	<sup>−</sup> 0.888 ± 0.081	<sup>1,4,6,7</sup> 0.900 ± 0.076	<sup>1,4</sup> 0.900 ± 0.065	<sup>1,4</sup> 0.903 ± 0.060
<i>yeast5</i>	<sup>−</sup> 0.821 ± 0.064	<sup>−</sup> 0.929 ± 0.052	<sup>−</sup> 0.929 ± 0.048	<sup>−</sup> 0.906 ± 0.064	<sup>2,3,6</sup> 0.938 ± 0.052	<sup>−</sup> 0.938 ± 0.044	<sup>1</sup> 0.965 ± 0.032
<i>shuttle-c2-vs-c4</i>	<sup>−</sup> 0.585 ± 0.177	<sup>1</sup> 0.995 ± 0.034	<sup>1</sup> 0.995 ± 0.034	<sup>1</sup> 0.710 ± 0.231	<sup>1,4</sup> 0.930 ± 0.166	<sup>1,4,5</sup> 0.580 ± 0.161	<sup>all</sup> 0.930 ± 0.166
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	<sup>−</sup> 0.833 ± 0.100	<sup>1,4,6</sup> 0.852 ± 0.077	<sup>1,4,6</sup> 0.857 ± 0.076	<sup>1,6</sup> 0.855 ± 0.082	<sup>1,4,6</sup> 0.858 ± 0.082	<sup>−</sup> 0.839 ± 0.077	<sup>1,4,6</sup> 0.839 ± 0.071
<i>yeast-0-3-5-9-vs-7-8</i>	<sup>−</sup> 0.641 ± 0.058	<sup>6,7</sup> 0.707 ± 0.064	<sup>1,6,7</sup> 0.697 ± 0.070	<sup>2,6,7</sup> 0.629 ± 0.053	<sup>2,3,4,6,7</sup> 0.659 ± 0.062	<sup>−</sup> 0.702 ± 0.067	<sup>−</sup> 0.722 ± 0.055
<i>yeast-1-vs-7</i>	<sup>−</sup> 0.529 ± 0.043	<sup>1,3,4,5</sup> 0.631 ± 0.098	<sup>1,4,5</sup> 0.634 ± 0.099	<sup>−</sup> 0.620 ± 0.087	<sup>1,4</sup> 0.632 ± 0.101	<sup>1,4,5</sup> 0.644 ± 0.105	<sup>1,3,4,5,6</sup> 0.671 ± 0.111
<i>yeast-1-2-8-9-vs-7</i>	<sup>1</sup> 0.508 ± 0.024	<sup>1</sup> 0.623 ± 0.085	<sup>1,2</sup> 0.634 ± 0.088	<sup>1</sup> 0.574 ± 0.075	<sup>1</sup> 0.643 ± 0.092	<sup>1</sup> 0.630 ± 0.096	<sup>all</sup> 0.688 ± 0.086
<i>ecoli-0-1-4-6-vs-5</i>	<sup>−</sup> 0.886 ± 0.091	<sup>1,4</sup> 0.914 ± 0.073	<sup>1,4</sup> 0.913 ± 0.077	<sup>1</sup> 0.899 ± 0.087	<sup>1,4</sup> 0.909 ± 0.075	<sup>1,4</sup> 0.898 ± 0.088	<sup>all</sup> 0.909 ± 0.074
<i>glass-0-1-5-vs-2</i>	<sup>−</sup> 0.533 ± 0.066	<sup>−</sup> 0.670 ± 0.135	<sup>−</sup> 0.658 ± 0.131	<sup>6</sup> 0.708 ± 0.138	<sup>6,7</sup> 0.739 ± 0.108	<sup>−</sup> 0.711 ± 0.107	<sup>−</sup> 0.717 ± 0.107
<i>yeast-2-vs-4</i>	<sup>−</sup> 0.820 ± 0.066	<sup>1,3</sup> 0.873 ± 0.061	<sup>1</sup> 0.873 ± 0.062	<sup>1,2,3</sup> 0.835 ± 0.063	<sup>1,2,3,6,7</sup> 0.852 ± 0.064	<sup>1,2,3</sup> 0.862 ± 0.062	<sup>1,2,3</sup> 0.884 ± 0.059
<i>glass-0-6-vs-5</i>	<sup>−</sup> 0.714 ± 0.194	<sup>1,4,5,6</sup> 0.950 ± 0.086	<sup>1,4,5,6</sup> 0.945 ± 0.103	<sup>−</sup> 0.767 ± 0.183	<sup>1</sup> 0.900 ± 0.133	<sup>1,4</sup> 0.761 ± 0.182	<sup>1,4,5,6</sup> 0.905 ± 0.131
<i>glass2</i>	<sup>−</sup> 0.547 ± 0.083	<sup>1,4,5,6</sup> 0.707 ± 0.129	<sup>1,4,6</sup> 0.712 ± 0.116	<sup>−</sup> 0.735 ± 0.129	<sup>1,4,6</sup> 0.760 ± 0.118	<sup>−</sup> 0.729 ± 0.122	<sup>1,4,6</sup> 0.749 ± 0.109
<i>yeast-2-vs-8</i>	<sup>−</sup> 0.774 ± 0.114	<sup>1</sup> 0.774 ± 0.106	<sup>1</sup> 0.786 ± 0.105	<sup>1</sup> 0.773 ± 0.115	<sup>1,2,3,6,7</sup> 0.771 ± 0.116	<sup>1</sup> 0.781 ± 0.115	<sup>1,2,3</sup> 0.788 ± 0.108
<i>vowel0</i>	<sup>2,5</sup> 0.970 ± 0.038	<sup>4,5</sup> 0.990 ± 0.026	<sup>−</sup> 0.991 ± 0.026	<sup>5</sup> 0.836 ± 0.060	<sup>−</sup> 0.948 ± 0.058	<sup>−</sup> 0.963 ± 0.037	<sup>−</sup> 0.966 ± 0.042
<i>glass-0-4-vs-5</i>	<sup>4,5,6</sup> 0.744 ± 0.204	<sup>1,4,5,6,7</sup> 0.956 ± 0.096	<sup>1,4,5,6,7</sup> 0.959 ± 0.091	<sup>−</sup> 0.835 ± 0.164	<sup>4</sup> 0.957 ± 0.075	<sup>4</sup> 0.857 ± 0.165	<sup>4</sup> 0.957 ± 0.075
<i>glass-0-1-4-6-vs-2</i>	<sup>−</sup> 0.518 ± 0.062	<sup>1,4,6</sup> 0.700 ± 0.131	<sup>1,4,6</sup> 0.691 ± 0.140	<sup>−</sup> 0.697 ± 0.133	<sup>1,4,6</sup> 0.739 ± 0.125	<sup>1</sup> 0.729 ± 0.107	<sup>1,4,6</sup> 0.741 ± 0.108
<i>yeast4</i>	<sup>−</sup> 0.555 ± 0.043	<sup>1</sup> 0.717 ± 0.076	<sup>1</sup> 0.718 ± 0.080	<sup>1</sup> 0.716 ± 0.060	<sup>1,3,6</sup> 0.740 ± 0.069	<sup>1</sup> 0.768 ± 0.068	<sup>1,3,4</sup> 0.803 ± 0.064
<i>ecoli-0-4-6-vs-5</i>	<sup>−</sup> 0.901 ± 0.084	<sup>1</sup> 0.916 ± 0.081	<sup>1,2</sup> 0.912 ± 0.082	<sup>1</sup> 0.907 ± 0.079	<sup>1,2,4</sup> 0.907 ± 0.082	<sup>1,2,3,4,5</sup> 0.907 ± 0.081	<sup>all</sup> 0.905 ± 0.082
<i>page-blocks-1-3-vs-4</i>	<sup>−</sup> 0.818 ± 0.106	<sup>3,4,5,6,7</sup> 0.912 ± 0.091	<sup>7</sup> 0.903 ± 0.094	<sup>1,7</sup> 0.770 ± 0.106	<sup>1</sup> 0.837 ± 0.086	<sup>1,7</sup> 0.908 ± 0.082	<sup>1</sup> 0.909 ± 0.082
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	<sup>4</sup> 0.892 ± 0.042	<sup>1,4,5</sup> 0.896 ± 0.038	<sup>1,4,5</sup> 0.895 ± 0.039	<sup>−</sup> 0.898 ± 0.041	<sup>4</sup> 0.902 ± 0.041	<sup>1,4,5</sup> 0.894 ± 0.034	<sup>1,4,5</sup> 0.891 ± 0.036
<i>ecoli-0-1-vs-2-3-5</i>	<sup>−</sup> 0.833 ± 0.093	<sup>3</sup> 0.877 ± 0.089	<sup>−</sup> 0.873 ± 0.090	<sup>−</sup> 0.850 ± 0.092	<sup>1,6,7</sup> 0.857 ± 0.089	<sup>−</sup> 0.861 ± 0.089	<sup>−</sup> 0.852 ± 0.093
<i>ecoli-0-6-7-vs-3-5</i>	<sup>−</sup> 0.792 ± 0.119	<sup>1,7</sup> 0.863 ± 0.099	<sup>1,7</sup> 0.866 ± 0.095	<sup>1</sup> 0.827 ± 0.104	<sup>7</sup> 0.830 ± 0.108	<sup>7</sup> 0.833 ± 0.100	<sup>−</sup> 0.833 ± 0.091
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>−</sup> 0.869 ± 0.097	<sup>1,6,7</sup> 0.893 ± 0.075	<sup>1,6,7</sup> 0.893 ± 0.076	<sup>−</sup> 0.874 ± 0.082	<sup>−</sup> 0.898 ± 0.078	<sup>−</sup> 0.897 ± 0.086	<sup>1,6</sup> 0.900 ± 0.074
<i>ecoli-0-2-6-7-vs-3-5</i>	<sup>−</sup> 0.797 ± 0.125	<sup>−</sup> 0.859 ± 0.091	<sup>−</sup> 0.862 ± 0.081	<sup>−</sup> 0.832 ± 0.102	<sup>2,3</sup> 0.829 ± 0.101	<sup>−</sup> 0.841 ± 0.090	<sup>1,4</sup> 0.840 ± 0.082
<i>shuttle-c0-vs-c4</i>	<sup>−</sup> 0.996 ± 0.008	<sup>1,5,7</sup> 0.996 ± 0.008	<sup>1,5,7</sup> 0.996 ± 0.008	<sup>5</sup> 0.996 ± 0.008	<sup>−</sup> 0.996 ± 0.008	<sup>1,7</sup> 0.996 ± 0.008	<sup>1</sup> 0.996 ± 0.008
<i>ecoli-0-3-4-vs-5</i>	<sup>−</sup> 0.903 ± 0.105	<sup>−</sup> 0.912 ± 0.099	<sup>−</sup> 0.910 ± 0.099	<sup>−</sup> 0.911 ± 0.104	<sup>−</sup> 0.914 ± 0.103	<sup>−</sup> 0.916 ± 0.103	<sup>−</sup> 0.911 ± 0.102
	<sup>−</sup>	<sup>−</sup>	<sup>−</sup>	<sup>7</sup>	<sup>7</sup>	<sup>3,7</sup>	<sup>−</sup>

Table 9: Results for AUC metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	1.561	4.841	4.573	2.768	4.744	4.354	5.159
	−	1,4	1,4	1	1,4	1,4	1,4,6

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>glass4</i>	0.641 ± 0.310	0.870 ± 0.242	0.871 ± 0.242	0.716 ± 0.253	0.793 ± 0.272	0.752 ± 0.204	0.827 ± 0.247
<i>ecoli-0-2-3-4-vs-5</i>	<sup>1,4,5,6,7</sup> 0.878 ± 0.100	<sup>1,4,5,6,7</sup> 0.903 ± 0.086	<sup>1,4,5,6,7</sup> 0.901 ± 0.087	<sup>1,4,5,6,7</sup> 0.901 ± 0.088	<sup>1,6</sup> 0.901 ± 0.087	<sup>1,4,6</sup> 0.904 ± 0.089	<sup>1,4,6</sup> 0.899 ± 0.087
<i>glass-0-1-6-vs-2</i>	<sup>7</sup> 0.118 ± 0.222	<sup>7</sup> 0.618 ± 0.224	<sup>7</sup> 0.565 ± 0.239	<sup>7</sup> 0.681 ± 0.178	<sup>7</sup> 0.728 ± 0.107	<sup>3,7</sup> 0.725 ± 0.099	<sup>7</sup> 0.725 ± 0.096
<i>ecoli-0-1-vs-5</i>	<sup>1,3</sup> 0.879 ± 0.104	<sup>1,3</sup> 0.911 ± 0.082	<sup>1</sup> 0.909 ± 0.082	<sup>1,3</sup> 0.897 ± 0.088	<sup>1,2,3,6,7</sup> 0.906 ± 0.087	<sup>1,2,3</sup> 0.906 ± 0.086	<sup>1,2,3</sup> 0.907 ± 0.081
<i>yeast-1-4-5-8-vs-7</i>	<sup>3</sup> 0.008 ± 0.056	<sup>3</sup> 0.296 ± 0.245	<sup>4,5,6</sup> 0.330 ± 0.243	<sup>3</sup> 0.355 ± 0.240	<sup>3</sup> 0.502 ± 0.169	<sup>3</sup> 0.535 ± 0.184	<sup>3</sup> 0.578 ± 0.142
<i>ecoli4</i>	<sup>1</sup> 0.879 ± 0.124	<sup>1</sup> 0.908 ± 0.112	<sup>1</sup> 0.907 ± 0.112	<sup>1</sup> 0.916 ± 0.103	<sup>1,2,3,4</sup> 0.926 ± 0.099	<sup>1,2,3,4</sup> 0.920 ± 0.091	<sup>1,2,3,4,5</sup> 0.920 ± 0.095
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	<sup>2,3</sup> 0.494 ± 0.179	<sup>2,3</sup> 0.895 ± 0.071	<sup>2,3</sup> 0.832 ± 0.184	<sup>2,3</sup> 0.338 ± 0.260	<sup>2,3,4,6,7</sup> 0.556 ± 0.162	<sup>4</sup> 0.856 ± 0.093	<sup>4</sup> 0.867 ± 0.065
<i>glass5</i>	<sup>4</sup> 0.394 ± 0.387	<sup>all</sup> 0.716 ± 0.376	<sup>1,4,5</sup> 0.709 ± 0.392	<sup>4</sup> 0.736 ± 0.345	<sup>1,4</sup> 0.807 ± 0.314	<sup>1,4,5</sup> 0.696 ± 0.350	<sup>1,4,5</sup> 0.813 ± 0.315
<i>ecoli-0-3-4-6-vs-5</i>	<sup>1</sup> 0.883 ± 0.108	<sup>1</sup> 0.900 ± 0.101	<sup>1</sup> 0.898 ± 0.101	<sup>1,6</sup> 0.885 ± 0.097	<sup>1</sup> 0.893 ± 0.104	<sup>1</sup> 0.901 ± 0.100	<sup>1,6</sup> 0.890 ± 0.103
<i>yeast-0-5-6-7-9-vs-4</i>	<sup>7</sup> 0.532 ± 0.164	<sup>7</sup> 0.779 ± 0.078	<sup>7</sup> 0.784 ± 0.071	<sup>1</sup> 0.736 ± 0.082	<sup>1,7</sup> 0.782 ± 0.064	<sup>7</sup> 0.796 ± 0.061	<sup>1,4</sup> 0.803 ± 0.051
<i>yeast6</i>	<sup>1,4</sup> 0.707 ± 0.136	<sup>1,4</sup> 0.799 ± 0.112	<sup>1,4</sup> 0.795 ± 0.108	<sup>1</sup> 0.798 ± 0.106	<sup>1,4</sup> 0.815 ± 0.112	<sup>1,4</sup> 0.867 ± 0.071	<sup>1,4</sup> 0.874 ± 0.066
<i>ecoli-0-6-7-vs-5</i>	<sup>1,3</sup> 0.814 ± 0.139	<sup>1,3</sup> 0.863 ± 0.119	<sup>1</sup> 0.852 ± 0.121	<sup>1</sup> 0.849 ± 0.116	<sup>1,2,3</sup> 0.855 ± 0.123	<sup>1,2,3,4,5</sup> 0.862 ± 0.108	<sup>all</sup> 0.856 ± 0.125
<i>glass-0-1-6-vs-5</i>	<sup>3</sup> 0.459 ± 0.368	<sup>3</sup> 0.818 ± 0.272	<sup>3</sup> 0.793 ± 0.293	<sup>3</sup> 0.701 ± 0.332	<sup>3,4</sup> 0.863 ± 0.244	<sup>3,7</sup> 0.710 ± 0.315	<sup>5</sup> 0.862 ± 0.244
<i>ecoli-0-1-3-7-vs-2-6</i>	<sup>1,4</sup> 0.741 ± 0.387	<sup>1,4</sup> 0.734 ± 0.383	<sup>1</sup> 0.735 ± 0.384	<sup>1</sup> 0.741 ± 0.387	<sup>1,4</sup> 0.736 ± 0.385	<sup>1</sup> 0.530 ± 0.413	<sup>1,4</sup> 0.721 ± 0.375
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<sup>2,3,5,6,7</sup> 0.719 ± 0.058	<sup>6,7</sup> 0.777 ± 0.049	<sup>6,7</sup> 0.777 ± 0.050	<sup>2,3,5,6,7</sup> 0.723 ± 0.072	<sup>6,7</sup> 0.767 ± 0.063	<sup>6</sup> 0.770 ± 0.058	<sup>6</sup> 0.777 ± 0.050
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>1,4</sup> 0.844 ± 0.132	<sup>1,4</sup> 0.884 ± 0.104	<sup>1,4</sup> 0.886 ± 0.088	<sup>1,4</sup> 0.877 ± 0.091	<sup>1,4</sup> 0.892 ± 0.085	<sup>1,4</sup> 0.894 ± 0.071	<sup>1,4</sup> 0.898 ± 0.065
<i>yeast5</i>	<sup>2,3</sup> 0.798 ± 0.083	<sup>2,3</sup> 0.926 ± 0.057	<sup>2,3</sup> 0.926 ± 0.052	<sup>2,3</sup> 0.900 ± 0.073	<sup>2,3</sup> 0.935 ± 0.056	<sup>5</sup> 0.936 ± 0.047	<sup>1</sup> 0.965 ± 0.033
<i>shuttle-c2-vs-c4</i>	<sup>1</sup> 0.182 ± 0.369	<sup>1</sup> 0.994 ± 0.041	<sup>1</sup> 0.994 ± 0.041	<sup>1</sup> 0.445 ± 0.471	<sup>1,4</sup> 0.868 ± 0.325	<sup>1,4</sup> 0.185 ± 0.354	<sup>all</sup> 0.868 ± 0.325
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	<sup>1,4,6</sup> 0.805 ± 0.133	<sup>1,4,6</sup> 0.840 ± 0.092	<sup>1,4,6</sup> 0.845 ± 0.091	<sup>1,6</sup> 0.837 ± 0.100	<sup>1,4,6</sup> 0.842 ± 0.100	<sup>1,4,6</sup> 0.826 ± 0.091	<sup>1,4,6</sup> 0.829 ± 0.084
<i>yeast-0-3-5-9-vs-7-8</i>	<sup>4,6,7</sup> 0.533 ± 0.123	<sup>4,6,7</sup> 0.679 ± 0.084	<sup>5,6,7</sup> 0.668 ± 0.095	<sup>6</sup> 0.512 ± 0.120	<sup>2,4,6,7</sup> 0.580 ± 0.124	<sup>2,4,6,7</sup> 0.683 ± 0.083	<sup>2,4,6,7</sup> 0.716 ± 0.060
<i>yeast-1-vs-7</i>	<sup>1,3,4,5</sup> 0.142 ± 0.199	<sup>1,3,4,5</sup> 0.526 ± 0.190	<sup>1,4,5</sup> 0.535 ± 0.192	<sup>1,4,5</sup> 0.512 ± 0.180	<sup>1,4</sup> 0.542 ± 0.203	<sup>1,4,5</sup> 0.615 ± 0.132	<sup>all</sup> 0.647 ± 0.149
<i>yeast-1-2-8-9-vs-7</i>	<sup>1</sup> 0.041 ± 0.122	<sup>1</sup> 0.481 ± 0.210	<sup>1,2</sup> 0.507 ± 0.206	<sup>1</sup> 0.355 ± 0.236	<sup>1</sup> 0.540 ± 0.214	<sup>1,2,3,4,5</sup> 0.559 ± 0.171	<sup>1,2,3,4,5</sup> 0.658 ± 0.114
<i>ecoli-0-1-4-6-vs-5</i>	<sup>1,4</sup> 0.873 ± 0.105	<sup>1,4</sup> 0.908 ± 0.081	<sup>1,4</sup> 0.906 ± 0.087	<sup>1</sup> 0.889 ± 0.100	<sup>1,4</sup> 0.902 ± 0.084	<sup>1,2,4</sup> 0.888 ± 0.101	<sup>all</sup> 0.902 ± 0.084
<i>glass-0-1-5-vs-2</i>	<sup>1</sup> 0.161 ± 0.246	<sup>1</sup> 0.606 ± 0.226	<sup>1</sup> 0.593 ± 0.222	<sup>6</sup> 0.673 ± 0.198	<sup>6</sup> 0.720 ± 0.143	<sup>6</sup> 0.689 ± 0.138	<sup>5</sup> 0.695 ± 0.138
<i>yeast-2-vs-4</i>	<sup>1,3</sup> 0.797 ± 0.083	<sup>1,3</sup> 0.865 ± 0.069	<sup>1</sup> 0.865 ± 0.071	<sup>1,2,3</sup> 0.817 ± 0.076	<sup>1,2,3,6,7</sup> 0.838 ± 0.075	<sup>1,2,3</sup> 0.854 ± 0.071	<sup>1,2,3</sup> 0.879 ± 0.064
<i>glass-0-6-vs-5</i>	<sup>1,4,5</sup> 0.521 ± 0.407	<sup>1,4,5</sup> 0.944 ± 0.099	<sup>1,4,5,6</sup> 0.930 ± 0.162	<sup>1,4,5,6</sup> 0.651 ± 0.349	<sup>1</sup> 0.879 ± 0.183	<sup>1,4</sup> 0.635 ± 0.359	<sup>1,4,5,6</sup> 0.885 ± 0.181
<i>glass2</i>	<sup>1,4,5,6</sup> 0.201 ± 0.271	<sup>1,4,5,6</sup> 0.649 ± 0.215	<sup>1,4,6</sup> 0.665 ± 0.188	<sup>1</sup> 0.701 ± 0.194	<sup>1,4,6</sup> 0.743 ± 0.156	<sup>1,4,6</sup> 0.713 ± 0.153	<sup>1,4,6</sup> 0.733 ± 0.144
<i>yeast-2-vs-8</i>	<sup>1,2,3,6,7</sup> 0.718 ± 0.181	<sup>1,2,3,6,7</sup> 0.733 ± 0.148	<sup>1,2,3,6,7</sup> 0.751 ± 0.142	<sup>1,2,3,6,7</sup> 0.718 ± 0.181	<sup>1,2,3,6,7</sup> 0.717 ± 0.180	<sup>1,2,3</sup> 0.740 ± 0.177	<sup>1,2,3</sup> 0.759 ± 0.163
<i>vowel0</i>	<sup>5</sup> 0.969 ± 0.041	<sup>1,4,5</sup> 0.989 ± 0.028	<sup>5</sup> 0.990 ± 0.028	<sup>5</sup> 0.818 ± 0.074	<sup>5</sup> 0.945 ± 0.065	<sup>5</sup> 0.962 ± 0.039	<sup>5</sup> 0.964 ± 0.045
<i>glass-0-4-vs-5</i>	<sup>4,5,6</sup> 0.560 ± 0.419	<sup>1,4,5,6,7</sup> 0.942 ± 0.157	<sup>1,4,5,6,7</sup> 0.947 ± 0.153	<sup>4</sup> 0.770 ± 0.289	<sup>4</sup> 0.953 ± 0.084	<sup>4</sup> 0.796 ± 0.293	<sup>4</sup> 0.953 ± 0.084
<i>glass-0-1-4-6-vs-2</i>	<sup>1,4,6</sup> 0.098 ± 0.210	<sup>1,4,6</sup> 0.642 ± 0.229	<sup>1,4,6</sup> 0.615 ± 0.261	<sup>1,4,6</sup> 0.639 ± 0.240	<sup>1,4,6</sup> 0.716 ± 0.180	<sup>1</sup> 0.719 ± 0.110	<sup>1,4,6</sup> 0.732 ± 0.109
<i>yeast4</i>	<sup>1,3</sup> 0.288 ± 0.183	<sup>1,3</sup> 0.662 ± 0.116	<sup>1</sup> 0.664 ± 0.121	<sup>1,3</sup> 0.662 ± 0.091	<sup>1,3</sup> 0.698 ± 0.097	<sup>1,2,3,4,5</sup> 0.746 ± 0.087	<sup>1,2,3,4</sup> 0.792 ± 0.075
<i>ecoli-0-4-6-vs-5</i>	<sup>1,2</sup> 0.892 ± 0.095	<sup>1,2</sup> 0.909 ± 0.090	<sup>1,2</sup> 0.905 ± 0.090	<sup>1</sup> 0.900 ± 0.088	<sup>1,2,4</sup> 0.901 ± 0.090	<sup>1,2,3,4,5</sup> 0.901 ± 0.089	<sup>all</sup> 0.899 ± 0.089
<i>page-blocks-1-3-vs-4</i>	<sup>3,4,5,6,7</sup> 0.789 ± 0.138	<sup>3,4,5,6,7</sup> 0.905 ± 0.105	<sup>7</sup> 0.895 ± 0.110	<sup>1,7</sup> 0.727 ± 0.146	<sup>1</sup> 0.820 ± 0.103	<sup>1,7</sup> 0.902 ± 0.093	<sup>1</sup> 0.902 ± 0.095
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	<sup>4</sup> 0.885 ± 0.047	<sup>1,4,5</sup> 0.893 ± 0.041	<sup>1,4,5</sup> 0.892 ± 0.042	<sup>1,4</sup> 0.892 ± 0.046	<sup>1,4</sup> 0.898 ± 0.045	<sup>1,4,5</sup> 0.892 ± 0.036	<sup>1,4,5</sup> 0.890 ± 0.037
<i>ecoli-0-1-vs-2-3-5</i>	<sup>3</sup> 0.807 ± 0.125	<sup>3</sup> 0.865 ± 0.106	<sup>3</sup> 0.861 ± 0.109	<sup>3</sup> 0.829 ± 0.114	<sup>1</sup> 0.839 ± 0.109	<sup>1</sup> 0.845 ± 0.108	<sup>1</sup> 0.837 ± 0.110
<i>ecoli-0-6-7-vs-3-5</i>	<sup>1,7</sup> 0.750 ± 0.159	<sup>1,7</sup> 0.849 ± 0.118	<sup>1,7</sup> 0.853 ± 0.113	<sup>1</sup> 0.803 ± 0.129	<sup>7</sup> 0.808 ± 0.132	<sup>7</sup> 0.815 ± 0.122	<sup>7</sup> 0.820 ± 0.108
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>1,6,7</sup> 0.852 ± 0.116	<sup>1,6,7</sup> 0.885 ± 0.085	<sup>1,6,7</sup> 0.886 ± 0.086	<sup>1,6,7</sup> 0.862 ± 0.095	<sup>1,6,7</sup> 0.890 ± 0.086	<sup>1,6,7</sup> 0.891 ± 0.096	<sup>1,6</sup> 0.895 ± 0.080
<i>ecoli-0-2-6-7-vs-3-5</i>	<sup>2,3</sup> 0.747 ± 0.192	<sup>2,3</sup> 0.844 ± 0.111	<sup>2,3</sup> 0.850 ± 0.096	<sup>2,3</sup> 0.809 ± 0.127	<sup>2,3</sup> 0.807 ± 0.125	<sup>2,3</sup> 0.826 ± 0.110	<sup>1,4</sup> 0.830 ± 0.095
<i>shuttle-c0-vs-c4</i>	<sup>1,5,7</sup> 0.996 ± 0.008	<sup>1,5,7</sup> 0.996 ± 0.008	<sup>1,5,7</sup> 0.996 ± 0.008	<sup>5</sup> 0.995 ± 0.008	<sup>5</sup> 0.996 ± 0.008	<sup>1</sup> 0.995 ± 0.008	<sup>1,6</sup> 0.996 ± 0.008
<i>ecoli-0-3-4-vs-5</i>	<sup>1</sup> 0.888 ± 0.132	<sup>1</sup> 0.901 ± 0.121	<sup>1</sup> 0.899 ± 0.120	<sup>1</sup> 0.900 ± 0.126	<sup>1</sup> 0.904 ± 0.124	<sup>1</sup> 0.905 ± 0.124	<sup>1</sup> 0.901 ± 0.123

Table 11: Results for GMEAN metric

	kNN (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	1.451	4.866	4.500	2.683	4.610	4.524	5.366
	—	1,4	1,4	1	1,4	1,4	1,3,4,5,6

Table 12: Results for mean ranks according to GMEAN metric