

Dataset	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	$0.582 \pm 0.128$	$0.571 \pm 0.113$	$0.569 \pm 0.112$	$0.735 \pm 0.108$	$0.751 \pm 0.105$	$0.685 \pm 0.091$	$0.739 \pm 0.077$
<i>ecoli-0-3-4-7-vs-5-6</i>	$0.843 \pm 0.085$	$0.860 \pm 0.083$	$0.869 \pm 0.084$	$0.881 \pm 0.086$	$0.886 \pm 0.073$	$0.890 \pm 0.084$	$0.895 \pm 0.079$
<i>shuttle-c2-vs-c4</i>	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$0.990 \pm 0.048$	$0.990 \pm 0.048$	$0.990 \pm 0.048$	$0.990 \pm 0.048$
<i>glass-0-1-4-6-vs-2</i>	$0.573 \pm 0.117$	$0.563 \pm 0.102$	$0.568 \pm 0.108$	$0.728 \pm 0.121$	$0.739 \pm 0.125$	$0.681 \pm 0.099$	$0.737 \pm 0.106$
<i>yeast-1-2-8-9-vs-7</i>	$0.622 \pm 0.082$	$0.539 \pm 0.055$	$0.552 \pm 0.059$	$0.677 \pm 0.085$	$0.670 \pm 0.073$	$0.696 \pm 0.087$	$0.700 \pm 0.085$
<i>ecoli-0-1-4-6-vs-5</i>	$0.792 \pm 0.090$	$0.843 \pm 0.085$	$0.848 \pm 0.087$	$0.895 \pm 0.078$	$0.899 \pm 0.080$	$0.893 \pm 0.074$	$0.901 \pm 0.078$
<i>glass-0-1-6-vs-5</i>	$0.822 \pm 0.182$	$0.849 \pm 0.163$	$0.859 \pm 0.156$	$0.873 \pm 0.161$	$0.895 \pm 0.150$	$0.867 \pm 0.141$	$0.900 \pm 0.137$
<i>yeast-2-vs-4</i>	$0.844 \pm 0.064$	$0.830 \pm 0.071$	$0.832 \pm 0.070$	$0.851 \pm 0.069$	$0.852 \pm 0.067$	$0.871 \pm 0.074$	$0.876 \pm 0.072$
<i>glass-0-6-vs-5</i>	$0.899 \pm 0.171$	$0.901 \pm 0.163$	$0.901 \pm 0.164$	$0.784 \pm 0.187$	$0.787 \pm 0.190$	$0.784 \pm 0.183$	$0.791 \pm 0.188$
<i>ecoli-0-3-4-6-vs-5</i>	$0.821 \pm 0.111$	$0.847 \pm 0.123$	$0.849 \pm 0.122$	$0.901 \pm 0.093$	$0.904 \pm 0.087$	$0.906 \pm 0.095$	$0.907 \pm 0.090$
<i>yeast-0-3-5-9-vs-7-8</i>	$0.656 \pm 0.070$	$0.597 \pm 0.049$	$0.602 \pm 0.051$	$0.661 \pm 0.071$	$0.672 \pm 0.073$	$0.689 \pm 0.070$	$0.706 \pm 0.061$
<i>glass-0-1-5-vs-2</i>	$0.592 \pm 0.127$	$0.555 \pm 0.106$	$0.562 \pm 0.108$	$0.715 \pm 0.125$	$0.734 \pm 0.119$	$0.671 \pm 0.091$	$0.713 \pm 0.096$
<i>ecoli-0-6-7-vs-5</i>	$0.842 \pm 0.121$	$0.869 \pm 0.119$	$0.868 \pm 0.119$	$0.870 \pm 0.101$	$0.871 \pm 0.099$	$0.873 \pm 0.106$	$0.876 \pm 0.102$
<i>ecoli-0-2-3-4-vs-5</i>	$0.850 \pm 0.087$	$0.857 \pm 0.092$	$0.862 \pm 0.093$	$0.905 \pm 0.080$	$0.911 \pm 0.078$	$0.903 \pm 0.082$	$0.908 \pm 0.080$
<i>ecoli4</i>	$0.868 \pm 0.091$	$0.875 \pm 0.099$	$0.875 \pm 0.099$	$0.919 \pm 0.085$	$0.929 \pm 0.091$	$0.930 \pm 0.082$	$0.934 \pm 0.089$
<i>yeast5</i>	$0.819 \pm 0.085$	$0.815 \pm 0.071$	$0.820 \pm 0.076$	$0.941 \pm 0.052$	$0.934 \pm 0.053$	$0.952 \pm 0.049$	$0.936 \pm 0.053$
<i>ecoli-0-4-6-vs-5</i>	$0.814 \pm 0.102$	$0.846 \pm 0.102$	$0.851 \pm 0.099$	$0.898 \pm 0.082$	$0.905 \pm 0.083$	$0.896 \pm 0.081$	$0.907 \pm 0.084$
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	$0.881 \pm 0.072$	$0.879 \pm 0.071$	$0.879 \pm 0.072$	$0.651 \pm 0.090$	$0.651 \pm 0.093$	$0.903 \pm 0.069$	$0.900 \pm 0.078$
<i>ecoli-0-1-vs-5</i>	$0.814 \pm 0.099$	$0.856 \pm 0.100$	$0.861 \pm 0.104$	$0.900 \pm 0.079$	$0.907 \pm 0.079$	$0.905 \pm 0.080$	$0.909 \pm 0.077$
<i>ecoli-0-2-6-7-vs-3-5</i>	$0.813 \pm 0.129$	$0.838 \pm 0.115$	$0.843 \pm 0.108$	$0.836 \pm 0.110$	$0.840 \pm 0.101$	$0.834 \pm 0.104$	$0.828 \pm 0.107$
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	$0.796 \pm 0.092$	$0.801 \pm 0.092$	$0.808 \pm 0.094$	$0.858 \pm 0.084$	$0.859 \pm 0.079$	$0.844 \pm 0.090$	$0.846 \pm 0.079$
<i>shuttle-c0-vs-c4</i>	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$1.000 \pm 0.000$	$0.998 \pm 0.006$	$0.998 \pm 0.006$	$0.998 \pm 0.006$	$0.998 \pm 0.006$
<i>ecoli-0-6-7-vs-3-5</i>	$0.821 \pm 0.123$	$0.841 \pm 0.114$	$0.843 \pm 0.111$	$0.829 \pm 0.104$	$0.831 \pm 0.104$	$0.841 \pm 0.101$	$0.831 \pm 0.104$
<i>vowel0</i>	$0.963 \pm 0.028$	$0.958 \pm 0.029$	$0.958 \pm 0.028$	$0.818 \pm 0.061$	$0.809 \pm 0.067$	$0.873 \pm 0.071$	$0.865 \pm 0.072$
<i>glass4</i>	$0.846 \pm 0.136$	$0.854 \pm 0.125$	$0.857 \pm 0.127$	$0.787 \pm 0.150$	$0.805 \pm 0.152$	$0.798 \pm 0.123$	$0.862 \pm 0.110$
<i>yeast-0-5-6-7-9-vs-4</i>	$0.670 \pm 0.077$	$0.665 \pm 0.073$	$0.663 \pm 0.073$	$0.790 \pm 0.047$	$0.793 \pm 0.046$	$0.800 \pm 0.055$	$0.793 \pm 0.056$
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	$0.725 \pm 0.050$	$0.731 \pm 0.040$	$0.733 \pm 0.042$	$0.773 \pm 0.057$	$0.776 \pm 0.054$	$0.770 \pm 0.055$	$0.775 \pm 0.055$
<i>ecoli-0-1-vs-2-3-5</i>	$0.786 \pm 0.114$	$0.804 \pm 0.108$	$0.807 \pm 0.109$	$0.859 \pm 0.088$	$0.859 \pm 0.089$	$0.850 \pm 0.092$	$0.859 \pm 0.091$
<i>ecoli-0-3-4-vs-5</i>	$0.828 \pm 0.116$	$0.866 \pm 0.119$	$0.866 \pm 0.119$	$0.907 \pm 0.107$	$0.910 \pm 0.112$	$0.910 \pm 0.098$	$0.914 \pm 0.100$
<i>glass5</i>	$0.831 \pm 0.189$	$0.817 \pm 0.199$	$0.822 \pm 0.200$	$0.903 \pm 0.143$	$0.912 \pm 0.142$	$0.904 \pm 0.126$	$0.915 \pm 0.127$
<i>yeast4</i>	$0.668 \pm 0.071$	$0.596 \pm 0.059$	$0.601 \pm 0.062$	$0.779 \pm 0.074$	$0.769 \pm 0.078$	$0.834 \pm 0.063$	$0.829 \pm 0.059$
<i>glass-0-4-vs-5</i>	$0.992 \pm 0.016$	$0.992 \pm 0.016$	$0.992 \pm 0.016$	$0.903 \pm 0.142$	$0.915 \pm 0.137$	$0.895 \pm 0.144$	$0.908 \pm 0.141$
<i>yeast6</i>	$0.729 \pm 0.089$	$0.730 \pm 0.084$	$0.732 \pm 0.085$	$0.838 \pm 0.087$	$0.833 \pm 0.084$	$0.848 \pm 0.072$	$0.841 \pm 0.082$
<i>page-blocks-1-3-vs-4</i>	$0.956 \pm 0.064$	$0.981 \pm 0.051$	$0.981 \pm 0.051$	$0.716 \pm 0.105$	$0.810 \pm 0.110$	$0.823 \pm 0.114$	$0.883 \pm 0.087$
<i>yeast-1-vs-7</i>	$0.669 \pm 0.095$	$0.550 \pm 0.052$	$0.565 \pm 0.062$	$0.679 \pm 0.105$	$0.665 \pm 0.103$	$0.724 \pm 0.082$	$0.699 \pm 0.092$
<i>ecoli-0-1-3-7-vs-2-6</i>	$0.820 \pm 0.209$	$0.659 \pm 0.205$	$0.694 \pm 0.214$	$0.838 \pm 0.199$	$0.832 \pm 0.199$	$0.834 \pm 0.197$	$0.831 \pm 0.189$
<i>yeast-1-4-5-8-vs-7</i>	$0.546 \pm 0.078$	$0.501 \pm 0.011$	$0.501 \pm 0.011$	$0.625 \pm 0.091$	$0.620 \pm 0.091$	$0.642 \pm 0.079$	$0.642 \pm 0.089$
<i>ecoli-0-1-4-7-vs-5-6</i>	$0.809 \pm 0.095$	$0.822 \pm 0.097$	$0.828 \pm 0.100$	$0.895 \pm 0.086$	$0.900 \pm 0.079$	$0.888 \pm 0.093$	$0.901 \pm 0.077$
<i>yeast-2-vs-8</i>	$0.704 \pm 0.113$	$0.749 \pm 0.122$	$0.754 \pm 0.124$	$0.776 \pm 0.110$	$0.773 \pm 0.115$	$0.780 \pm 0.111$	$0.771 \pm 0.111$
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	$0.844 \pm 0.051$	$0.872 \pm 0.044$	$0.874 \pm 0.043$	$0.900 \pm 0.038$	$0.901 \pm 0.036$	$0.897 \pm 0.038$	$0.901 \pm 0.037$
<i>glass2</i>	$0.561 \pm 0.118$	$0.553 \pm 0.079$	$0.560 \pm 0.079$	$0.738 \pm 0.119$	$0.758 \pm 0.121$	$0.696 \pm 0.094$	$0.749 \pm 0.094$

Table 1: Results for BAC metric

	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	2.561	2.671	3.280	4.244	4.854	4.756	5.634
	—	—	1,2	1,2	1,2,3,4	1,2,3	<i>all</i>

Table 2: Results for mean ranks according to BAC metric

Dataset	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.225 ± 0.219	0.207 ± 0.279	0.201 ± 0.272	0.324 ± 0.098	0.335 ± 0.091	0.246 ± 0.053	0.286 ± 0.053
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>−</sup> 0.686 ± 0.108	<sup>−</sup> 0.797 ± 0.118	<sup>−</sup> 0.803 ± 0.122	<sup>1,2,3,6,7</sup> 0.788 ± 0.133	<sup>1,2,3,6,7</sup> 0.790 ± 0.116	<sup>−</sup> 0.778 ± 0.132	<sup>2,3,6</sup> 0.772 ± 0.130
<i>shuttle-c2-vs-c4</i>	1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 0.987 ± 0.065	<sup>1</sup> 0.987 ± 0.065	<sup>1</sup> 0.987 ± 0.065	<sup>1</sup> 0.987 ± 0.065
<i>glass-0-1-4-6-vs-2</i>	0.220 ± 0.210	0.174 ± 0.242	0.188 ± 0.254	0.318 ± 0.115	0.328 ± 0.120	0.232 ± 0.063	0.275 ± 0.073
<i>yeast-1-2-8-9-vs-7</i>	<sup>−</sup> 0.233 ± 0.137	<sup>−</sup> 0.125 ± 0.170	<sup>−</sup> 0.164 ± 0.176	<sup>1,2,3,6,7</sup> 0.210 ± 0.084	<sup>1,2,3,6,7</sup> 0.195 ± 0.060	<sup>2</sup> 0.133 ± 0.034	<sup>2,3,6</sup> 0.127 ± 0.031
<i>ecoli-0-1-4-6-vs-5</i>	<sup>2,3,5,6,7</sup> 0.606 ± 0.149	<sup>−</sup> 0.766 ± 0.144	<sup>−</sup> 0.768 ± 0.150	<sup>2,3,5,6,7</sup> 0.800 ± 0.108	<sup>2,6,7</sup> 0.804 ± 0.113	<sup>−</sup> 0.767 ± 0.108	<sup>−</sup> 0.776 ± 0.115
<i>glass-0-1-6-vs-5</i>	<sup>−</sup> 0.631 ± 0.314	<sup>1</sup> 0.682 ± 0.275	<sup>1</sup> 0.701 ± 0.257	<sup>1,6</sup> 0.650 ± 0.279	<sup>1,6,7</sup> 0.722 ± 0.274	<sup>1</sup> 0.505 ± 0.197	<sup>1</sup> 0.651 ± 0.250
<i>yeast-2-vs-4</i>	<sup>6</sup> 0.707 ± 0.087	<sup>6</sup> 0.724 ± 0.107	<sup>1,6</sup> 0.725 ± 0.106	<sup>6</sup> 0.769 ± 0.097	<sup>4,6,7</sup> 0.771 ± 0.093	<sup>−</sup> 0.762 ± 0.099	<sup>6</sup> 0.747 ± 0.094
<i>glass-0-6-vs-5</i>	<sup>−</sup> 0.793 ± 0.302	<sup>−</sup> 0.811 ± 0.285	<sup>−</sup> 0.809 ± 0.287	<sup>1,2,3</sup> 0.605 ± 0.353	<sup>1,2,3,7</sup> 0.631 ± 0.358	<sup>1,2,3,7</sup> 0.479 ± 0.268	<sup>1</sup> 0.570 ± 0.327
<i>ecoli-0-3-4-6-vs-5</i>	<sup>4,5,6,7</sup> 0.665 ± 0.186	<sup>4,5,6,7</sup> 0.762 ± 0.197	<sup>4,5,6,7</sup> 0.759 ± 0.194	<sup>6</sup> 0.804 ± 0.144	<sup>6,7</sup> 0.800 ± 0.138	<sup>−</sup> 0.799 ± 0.152	<sup>6</sup> 0.795 ± 0.147
<i>yeast-0-3-5-9-vs-7-8</i>	<sup>−</sup> 0.366 ± 0.116	<sup>1</sup> 0.302 ± 0.128	<sup>1</sup> 0.312 ± 0.131	<sup>1</sup> 0.397 ± 0.127	<sup>1</sup> 0.401 ± 0.128	<sup>1</sup> 0.376 ± 0.102	<sup>1</sup> 0.338 ± 0.078
<i>glass-0-1-5-vs-2</i>	<sup>2,3</sup> 0.249 ± 0.210	<sup>−</sup> 0.157 ± 0.240	<sup>−</sup> 0.177 ± 0.250	<sup>2,3,6,7</sup> 0.322 ± 0.109	<sup>2,3,7</sup> 0.335 ± 0.106	<sup>2,3,7</sup> 0.260 ± 0.057	<sup>−</sup> 0.290 ± 0.075
<i>ecoli-0-6-7-vs-5</i>	<sup>2</sup> 0.726 ± 0.208	<sup>−</sup> 0.788 ± 0.190	<sup>−</sup> 0.785 ± 0.194	<sup>1,2,3,6,7</sup> 0.774 ± 0.159	<sup>1,2,3,6,7</sup> 0.778 ± 0.161	<sup>2,3</sup> 0.740 ± 0.181	<sup>2,3,6</sup> 0.756 ± 0.167
<i>ecoli-0-2-3-4-vs-5</i>	<sup>−</sup> 0.730 ± 0.140	<sup>1,4,6,7</sup> 0.791 ± 0.149	<sup>1,6,7</sup> 0.795 ± 0.151	<sup>6</sup> 0.822 ± 0.116	<sup>6,7</sup> 0.821 ± 0.115	<sup>−</sup> 0.801 ± 0.126	<sup>−</sup> 0.807 ± 0.128
<i>ecoli4</i>	<sup>−</sup> 0.732 ± 0.138	<sup>1</sup> 0.784 ± 0.153	<sup>1</sup> 0.782 ± 0.150	<sup>1,6</sup> 0.862 ± 0.119	<sup>1</sup> 0.850 ± 0.150	<sup>1</sup> 0.839 ± 0.136	<sup>1</sup> 0.800 ± 0.156
<i>yeast5</i>	<sup>−</sup> 0.658 ± 0.137	<sup>1</sup> 0.685 ± 0.114	<sup>1</sup> 0.691 ± 0.120	<sup>1,2,3,7</sup> 0.700 ± 0.087	<sup>1,2,3,7</sup> 0.723 ± 0.077	<sup>1,2,3,7</sup> 0.631 ± 0.071	<sup>1</sup> 0.683 ± 0.085
<i>ecoli-0-4-6-vs-5</i>	<sup>−</sup> 0.667 ± 0.159	<sup>6</sup> 0.766 ± 0.160	<sup>6</sup> 0.769 ± 0.152	<sup>6</sup> 0.807 ± 0.134	<sup>1,2,4,6,7</sup> 0.800 ± 0.145	<sup>−</sup> 0.791 ± 0.136	<sup>6</sup> 0.800 ± 0.147
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	<sup>−</sup> 0.778 ± 0.109	<sup>1</sup> 0.708 ± 0.106	<sup>1</sup> 0.708 ± 0.109	<sup>1</sup> 0.401 ± 0.199	<sup>1</sup> 0.393 ± 0.197	<sup>1</sup> 0.742 ± 0.099	<sup>1</sup> 0.724 ± 0.105
<i>ecoli-0-1-vs-5</i>	<sup>all</sup> 0.666 ± 0.143	<sup>4,5</sup> 0.786 ± 0.144	<sup>4,5</sup> 0.792 ± 0.147	<sup>−</sup> 0.859 ± 0.107	<sup>−</sup> 0.861 ± 0.115	<sup>2,3,4,5</sup> 0.835 ± 0.123	<sup>4,5</sup> 0.843 ± 0.120
<i>ecoli-0-2-6-7-vs-3-5</i>	<sup>−</sup> 0.664 ± 0.218	<sup>1</sup> 0.754 ± 0.207	<sup>1</sup> 0.762 ± 0.183	<sup>1,2,3</sup> 0.728 ± 0.188	<sup>1,2,3,7</sup> 0.732 ± 0.177	<sup>1,2</sup> 0.686 ± 0.190	<sup>1,2</sup> 0.641 ± 0.187
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	<sup>−</sup> 0.611 ± 0.148	<sup>1,6,7</sup> 0.703 ± 0.158	<sup>1,4,5,6,7</sup> 0.708 ± 0.158	<sup>1,6,7</sup> 0.776 ± 0.130	<sup>1,6,7</sup> 0.778 ± 0.129	<sup>7</sup> 0.668 ± 0.165	<sup>−</sup> 0.669 ± 0.143
<i>shuttle-c0-vs-c4</i>	<sup>−</sup> 1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1,6</sup> 1.000 ± 0.000	<sup>1,2,3,6,7</sup> 0.998 ± 0.006	<sup>1,2,3,6,7</sup> 0.998 ± 0.006	<sup>1</sup> 0.998 ± 0.006	<sup>1</sup> 0.998 ± 0.006
<i>ecoli-0-6-7-vs-3-5</i>	<sup>−</sup> 0.676 ± 0.209	<sup>−</sup> 0.761 ± 0.201	<sup>−</sup> 0.764 ± 0.195	<sup>−</sup> 0.721 ± 0.171	<sup>−</sup> 0.713 ± 0.178	<sup>−</sup> 0.701 ± 0.181	<sup>−</sup> 0.667 ± 0.194
<i>vowel0</i>	<sup>−</sup> 0.921 ± 0.045	<sup>1,4,5,6,7</sup> 0.913 ± 0.040	<sup>1,4,5,6,7</sup> 0.916 ± 0.038	<sup>7</sup> 0.736 ± 0.090	<sup>7</sup> 0.728 ± 0.096	<sup>7</sup> 0.815 ± 0.093	<sup>−</sup> 0.808 ± 0.089
<i>glass4</i>	<sup>4,5,6,7</sup> 0.680 ± 0.227	<sup>4,5,6,7</sup> 0.739 ± 0.205	<sup>4,5,6,7</sup> 0.738 ± 0.211	<sup>−</sup> 0.521 ± 0.238	<sup>−</sup> 0.555 ± 0.250	<sup>4,5</sup> 0.473 ± 0.190	<sup>4,5</sup> 0.589 ± 0.181
<i>yeast-0-5-6-7-9-vs-4</i>	<sup>4,5,6,7</sup> 0.391 ± 0.122	<sup>4,5,6,7</sup> 0.438 ± 0.137	<sup>4,5,6,7</sup> 0.433 ± 0.137	<sup>−</sup> 0.531 ± 0.083	<sup>4,6</sup> 0.535 ± 0.090	<sup>−</sup> 0.444 ± 0.099	<sup>4,6</sup> 0.427 ± 0.087
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<sup>−</sup> 0.491 ± 0.084	<sup>1</sup> 0.582 ± 0.075	<sup>1</sup> 0.587 ± 0.079	<sup>1,2,3,6,7</sup> 0.622 ± 0.093	<sup>1,2,3,6,7</sup> 0.622 ± 0.087	<sup>7</sup> 0.574 ± 0.101	<sup>−</sup> 0.540 ± 0.112
<i>ecoli-0-1-vs-2-3-5</i>	<sup>−</sup> 0.599 ± 0.183	<sup>1,7</sup> 0.694 ± 0.178	<sup>1,7</sup> 0.698 ± 0.182	<sup>1,2,3,6,7</sup> 0.808 ± 0.126	<sup>1,2,3,6,7</sup> 0.806 ± 0.128	<sup>1,7</sup> 0.710 ± 0.158	<sup>1</sup> 0.736 ± 0.145
<i>ecoli-0-3-4-vs-5</i>	<sup>−</sup> 0.683 ± 0.176	<sup>1</sup> 0.784 ± 0.182	<sup>1</sup> 0.784 ± 0.182	<sup>1,2,3,6,7</sup> 0.817 ± 0.161	<sup>1,2,3,6,7</sup> 0.821 ± 0.187	<sup>1</sup> 0.810 ± 0.144	<sup>1</sup> 0.826 ± 0.155
<i>glass5</i>	<sup>−</sup> 0.657 ± 0.346	<sup>1</sup> 0.640 ± 0.371	<sup>1</sup> 0.647 ± 0.374	<sup>1</sup> 0.680 ± 0.237	<sup>1</sup> 0.737 ± 0.245	<sup>1</sup> 0.518 ± 0.189	<sup>1</sup> 0.584 ± 0.189
<i>yeast4</i>	<sup>6</sup> 0.336 ± 0.122	<sup>6</sup> 0.277 ± 0.146	<sup>6</sup> 0.287 ± 0.153	<sup>6,7</sup> 0.396 ± 0.090	<sup>4,6,7</sup> 0.392 ± 0.105	<sup>−</sup> 0.295 ± 0.051	<sup>6</sup> 0.279 ± 0.048
<i>glass-0-4-vs-5</i>	<sup>2,3,6,7</sup> 0.942 ± 0.109	<sup>−</sup> 0.942 ± 0.109	<sup>−</sup> 0.942 ± 0.109	<sup>1,2,3,6,7</sup> 0.853 ± 0.234	<sup>1,2,3,6,7</sup> 0.873 ± 0.229	<sup>7</sup> 0.809 ± 0.249	<sup>−</sup> 0.836 ± 0.243
<i>yeast6</i>	<sup>6,7</sup> 0.422 ± 0.135	<sup>6,7</sup> 0.545 ± 0.151	<sup>6,7</sup> 0.543 ± 0.150	<sup>6</sup> 0.474 ± 0.115	<sup>6</sup> 0.498 ± 0.102	<sup>−</sup> 0.325 ± 0.089	<sup>−</sup> 0.357 ± 0.099
<i>page-blocks-1-3-vs-4</i>	<sup>6,7</sup> 0.903 ± 0.084	<sup>1,4,5,6,7</sup> 0.949 ± 0.078	<sup>1,4,5,6,7</sup> 0.949 ± 0.078	<sup>1,6,7</sup> 0.513 ± 0.201	<sup>1,4,6,7</sup> 0.723 ± 0.206	<sup>−</sup> 0.670 ± 0.172	<sup>6</sup> 0.826 ± 0.140
<i>yeast-1-vs-7</i>	<sup>4,5,6,7</sup> 0.353 ± 0.151	<sup>1,4,5,6,7</sup> 0.165 ± 0.163	<sup>1,4,5,6,7</sup> 0.207 ± 0.182	<sup>−</sup> 0.272 ± 0.102	<sup>4,6</sup> 0.244 ± 0.095	<sup>4</sup> 0.247 ± 0.062	<sup>4,5,6</sup> 0.220 ± 0.048
<i>ecoli-0-1-3-7-vs-2-6</i>	<sup>all</sup> 0.513 ± 0.327	<sup>−</sup> 0.350 ± 0.427	<sup>−</sup> 0.420 ± 0.440	<sup>2,3,5,7</sup> 0.524 ± 0.314	<sup>2</sup> 0.462 ± 0.287	<sup>2,7</sup> 0.462 ± 0.279	<sup>−</sup> 0.365 ± 0.245
<i>yeast-1-4-5-8-vs-7</i>	<sup>2,7</sup> 0.119 ± 0.133	<sup>−</sup> 0.006 ± 0.040	<sup>−</sup> 0.006 ± 0.040	<sup>2,5,6,7</sup> 0.159 ± 0.063	<sup>7</sup> 0.154 ± 0.063	<sup>7</sup> 0.129 ± 0.028	<sup>−</sup> 0.130 ± 0.033
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>2,3</sup> 0.612 ± 0.134	<sup>−</sup> 0.731 ± 0.155	<sup>−</sup> 0.738 ± 0.159	<sup>1,2,3,6,7</sup> 0.828 ± 0.125	<sup>2,3,6,7</sup> 0.828 ± 0.122	<sup>2,3</sup> 0.775 ± 0.160	<sup>2,3</sup> 0.781 ± 0.128
<i>yeast-2-vs-8</i>	<sup>−</sup> 0.408 ± 0.199	<sup>1</sup> 0.610 ± 0.240	<sup>1</sup> 0.617 ± 0.244	<sup>1,2,3,6,7</sup> 0.666 ± 0.197	<sup>1,2,3,6,7</sup> 0.653 ± 0.203	<sup>1,2</sup> 0.643 ± 0.197	<sup>1,2,3</sup> 0.489 ± 0.160
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	<sup>−</sup> 0.711 ± 0.076	<sup>1,7</sup> 0.799 ± 0.067	<sup>1,7</sup> 0.802 ± 0.067	<sup>1,2,7</sup> 0.820 ± 0.058	<sup>1,7</sup> 0.821 ± 0.055	<sup>1,7</sup> 0.810 ± 0.065	<sup>1</sup> 0.811 ± 0.062
<i>glass2</i>	<sup>−</sup> 0.167 ± 0.204	<sup>1</sup> 0.165 ± 0.214	<sup>1</sup> 0.185 ± 0.216	<sup>1,2,3,6,7</sup> 0.330 ± 0.124	<sup>1,2,3,6,7</sup> 0.350 ± 0.124	<sup>1</sup> 0.233 ± 0.058	<sup>1</sup> 0.281 ± 0.068
	<sup>−</sup>	<sup>−</sup>	<sup>−</sup>	<sup>1,2,3,6,7</sup>	<sup>1,2,3,6,7</sup>	<sup>1,2</sup>	<sup>1,2,3,6</sup>

Table 3: Results for F1 metric

	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	3.000	3.451	4.061	5.220	5.415	3.366	3.488
	−	−	1,2	1,2,3,6,7	1,2,3,6,7	−	−

Table 4: Results for mean ranks according to F1 metric

Dataset	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.237 ± 0.249	0.333 ± 0.444	0.308 ± 0.418	0.209 ± 0.070	0.216 ± 0.064	0.144 ± 0.033	0.171 ± 0.035
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>6</sup> 0.692 ± 0.154	0.914 ± 0.113	0.898 ± 0.130	<sup>6,7</sup> 0.815 ± 0.151	<sup>6,7</sup> 0.800 ± 0.140	0.768 ± 0.143	<sup>6</sup> 0.743 ± 0.153
<i>shuttle-c2-vs-c4</i>	1.000 ± 0.000	1.000 ± 0.000	1.000 ± 0.000	<sup>1,4,5,6,7</sup> 1.000 ± 0.000	<sup>1,7</sup> 1.000 ± 0.000	1.000 ± 0.000	1.000 ± 0.000
<i>glass-0-1-4-6-vs-2</i>	0.258 ± 0.269	0.255 ± 0.364	0.275 ± 0.377	0.207 ± 0.081	0.215 ± 0.084	0.135 ± 0.039	0.163 ± 0.046
<i>yeast-1-2-8-9-vs-7</i>	<sup>6,7</sup> 0.212 ± 0.140	0.328 ± 0.444	0.422 ± 0.454	<sup>6,7</sup> 0.143 ± 0.075	<sup>6,7</sup> 0.127 ± 0.042	0.074 ± 0.019	<sup>6</sup> 0.070 ± 0.017
<i>ecoli-0-1-4-6-vs-5</i>	<sup>4,5,6,7</sup> 0.655 ± 0.218	0.891 ± 0.163	<sup>1,4,5,6,7</sup> 0.881 ± 0.172	<sup>5,6,7</sup> 0.828 ± 0.148	<sup>6,7</sup> 0.828 ± 0.153	0.764 ± 0.165	0.767 ± 0.165
<i>glass-0-1-6-vs-5</i>	0.680 ± 0.364	<sup>1,6,7</sup> 0.733 ± 0.323	<sup>1,6,7</sup> 0.757 ± 0.305	<sup>1,6,7</sup> 0.617 ± 0.315	<sup>1,6,7</sup> 0.697 ± 0.302	<sup>1</sup> 0.396 ± 0.202	<sup>1</sup> 0.572 ± 0.280
<i>yeast-2-vs-4</i>	<sup>6,7</sup> 0.709 ± 0.097	<sup>4,6,7</sup> 0.799 ± 0.106	<sup>4,6,7</sup> 0.794 ± 0.105	<sup>6</sup> 0.850 ± 0.097	<sup>4,6,7</sup> 0.852 ± 0.096	0.786 ± 0.136	<sup>6</sup> 0.739 ± 0.133
<i>glass-0-6-vs-5</i>	0.808 ± 0.318	<sup>1,7</sup> 0.837 ± 0.293	<sup>1,7</sup> 0.833 ± 0.298	<sup>1,2,3,6,7</sup> 0.685 ± 0.403	<sup>1,2,3,6,7</sup> 0.737 ± 0.405	<sup>1,7</sup> 0.433 ± 0.321	0.582 ± 0.378
<i>ecoli-0-3-4-6-vs-5</i>	<sup>6,7</sup> 0.692 ± 0.204	<sup>6,7</sup> 0.888 ± 0.177	<sup>6,7</sup> 0.874 ± 0.178	<sup>6,7</sup> 0.808 ± 0.160	<sup>6,7</sup> 0.787 ± 0.154	0.785 ± 0.171	<sup>6</sup> 0.768 ± 0.168
<i>yeast-0-3-5-9-vs-7-8</i>	0.363 ± 0.130	<sup>1,4,5,6,7</sup> 0.615 ± 0.255	<sup>1,4,5,6,7</sup> 0.621 ± 0.248	<sup>1</sup> 0.477 ± 0.179	<sup>1</sup> 0.422 ± 0.172	<sup>1</sup> 0.330 ± 0.130	<sup>1</sup> 0.234 ± 0.083
<i>glass-0-1-5-vs-2</i>	<sup>7</sup> 0.302 ± 0.304	<sup>1,4,5,6,7</sup> 0.253 ± 0.397	<sup>1,4,5,6,7</sup> 0.286 ± 0.411	<sup>1,5,6,7</sup> 0.209 ± 0.077	<sup>6,7</sup> 0.217 ± 0.074	<sup>7</sup> 0.153 ± 0.037	0.174 ± 0.051
<i>ecoli-0-6-7-vs-5</i>	<sup>6,7</sup> 0.794 ± 0.232	0.875 ± 0.174	0.869 ± 0.184	<sup>6,7</sup> 0.819 ± 0.173	<sup>6,7</sup> 0.827 ± 0.180	0.738 ± 0.217	<sup>6</sup> 0.763 ± 0.190
<i>ecoli-0-2-3-4-vs-5</i>	0.769 ± 0.174	<sup>1,4,6,7</sup> 0.906 ± 0.161	<sup>1,4,6,7</sup> 0.901 ± 0.162	<sup>6,7</sup> 0.839 ± 0.146	<sup>6,7</sup> 0.827 ± 0.158	0.798 ± 0.170	0.801 ± 0.176
<i>ecoli4</i>	0.743 ± 0.176	<sup>1,4,5,6,7</sup> 0.854 ± 0.169	<sup>1,4,5,6,7</sup> 0.850 ± 0.167	<sup>1,6</sup> 0.911 ± 0.127	<sup>1</sup> 0.861 ± 0.164	0.851 ± 0.188	0.765 ± 0.192
<i>yeast5</i>	0.703 ± 0.162	<sup>1,7</sup> 0.769 ± 0.140	<sup>1,7</sup> 0.765 ± 0.137	<sup>all</sup> 0.578 ± 0.097	<sup>1,7</sup> 0.618 ± 0.092	<sup>1,7</sup> 0.483 ± 0.080	0.559 ± 0.095
<i>ecoli-0-4-6-vs-5</i>	<sup>4,5,6,7</sup> 0.744 ± 0.193	<sup>1,4,5,6,7</sup> 0.890 ± 0.161	<sup>1,4,5,6,7</sup> 0.884 ± 0.158	<sup>6</sup> 0.819 ± 0.172	<sup>4,6,7</sup> 0.785 ± 0.186	0.791 ± 0.178	<sup>6</sup> 0.782 ± 0.194
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	0.797 ± 0.142	<sup>1,4,5,6,7</sup> 0.653 ± 0.136	<sup>1,4,5,6,7</sup> 0.654 ± 0.141	<sup>1</sup> 0.589 ± 0.286	0.559 ± 0.278	0.673 ± 0.108	0.650 ± 0.105
<i>ecoli-0-1-vs-5</i>	<sup>all</sup> 0.731 ± 0.181	0.926 ± 0.123	0.927 ± 0.121	0.951 ± 0.101	0.929 ± 0.116	<sup>5</sup> 0.879 ± 0.164	<sup>5</sup> 0.885 ± 0.153
<i>ecoli-0-2-6-7-vs-3-5</i>	0.722 ± 0.252	<sup>1</sup> 0.880 ± 0.227	<sup>1</sup> 0.893 ± 0.193	<sup>1,6,7</sup> 0.798 ± 0.196	<sup>1,6,7</sup> 0.791 ± 0.207	<sup>1</sup> 0.705 ± 0.232	<sup>1</sup> 0.620 ± 0.241
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	<sup>7</sup> 0.611 ± 0.157	<sup>1,4,5,6,7</sup> 0.870 ± 0.150	<sup>1,4,5,6,7</sup> 0.861 ± 0.148	<sup>1,6,7</sup> 0.862 ± 0.150	<sup>6,7</sup> 0.859 ± 0.154	<sup>7</sup> 0.638 ± 0.207	0.642 ± 0.193
<i>shuttle-c0-vs-c4</i>	1.000 ± 0.000	<sup>1,6,7</sup> 1.000 ± 0.000	<sup>1,6,7</sup> 1.000 ± 0.000	<sup>1,6,7</sup> 1.000 ± 0.000	<sup>1,6,7</sup> 1.000 ± 0.000	1.000 ± 0.000	1.000 ± 0.000
<i>ecoli-0-6-7-vs-3-5</i>	0.735 ± 0.236	0.893 ± 0.189	0.886 ± 0.191	0.814 ± 0.181	0.779 ± 0.199	0.724 ± 0.225	0.665 ± 0.243
<i>vowel0</i>	<sup>7</sup> 0.911 ± 0.067	<sup>1,4,5,6,7</sup> 0.906 ± 0.062	<sup>1,4,5,6,7</sup> 0.909 ± 0.058	<sup>5,6,7</sup> 0.879 ± 0.079	<sup>6,7</sup> 0.903 ± 0.081	<sup>7</sup> 0.908 ± 0.076	0.925 ± 0.071
<i>glass4</i>	<sup>4</sup> 0.730 ± 0.276	<sup>4</sup> 0.814 ± 0.242	<sup>4</sup> 0.802 ± 0.246	0.493 ± 0.276	<sup>4</sup> 0.523 ± 0.286	<sup>4</sup> 0.389 ± 0.203	<sup>2,4,5</sup> 0.500 ± 0.206
<i>yeast-0-5-6-7-9-vs-4</i>	<sup>4,5,6,7</sup> 0.395 ± 0.139	<sup>4,5,6,7</sup> 0.654 ± 0.180	<sup>4,5,6,7</sup> 0.632 ± 0.176	<sup>6</sup> 0.453 ± 0.117	<sup>6</sup> 0.457 ± 0.124	0.319 ± 0.109	<sup>6</sup> 0.300 ± 0.087
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<sup>6,7</sup> 0.479 ± 0.096	<sup>1,4,5,6,7</sup> 0.758 ± 0.108	<sup>1,4,5,6,7</sup> 0.759 ± 0.109	<sup>1,6,7</sup> 0.694 ± 0.102	<sup>1,6,7</sup> 0.681 ± 0.102	<sup>7</sup> 0.599 ± 0.170	0.506 ± 0.168
<i>ecoli-0-1-vs-2-3-5</i>	0.627 ± 0.198	<sup>1,4,5,6,7</sup> 0.837 ± 0.174	<sup>1,4,5,6,7</sup> 0.836 ± 0.181	<sup>1,6,7</sup> 0.955 ± 0.092	<sup>1,6,7</sup> 0.948 ± 0.100	<sup>1,7</sup> 0.718 ± 0.207	0.757 ± 0.179
<i>ecoli-0-3-4-vs-5</i>	0.738 ± 0.200	<sup>1,6,7</sup> 0.882 ± 0.165	<sup>1,6</sup> 0.882 ± 0.165	<sup>1,2,3,6,7</sup> 0.840 ± 0.156	<sup>1,2,3,6,7</sup> 0.834 ± 0.194	<sup>1</sup> 0.817 ± 0.160	<sup>1</sup> 0.835 ± 0.156
<i>glass5</i>	0.707 ± 0.382	<sup>1,6</sup> 0.697 ± 0.405	<sup>1,6</sup> 0.697 ± 0.405	<sup>1</sup> 0.633 ± 0.280	<sup>1</sup> 0.713 ± 0.286	<sup>1</sup> 0.383 ± 0.175	<sup>1</sup> 0.451 ± 0.172
<i>yeast4</i>	<sup>6,7</sup> 0.330 ± 0.134	<sup>6,7</sup> 0.559 ± 0.274	<sup>6,7</sup> 0.543 ± 0.260	<sup>6,7</sup> 0.301 ± 0.082	<sup>4,6,7</sup> 0.302 ± 0.097	0.183 ± 0.038	<sup>6</sup> 0.171 ± 0.034
<i>glass-0-4-vs-5</i>	<sup>6,7</sup> 0.908 ± 0.169	<sup>1,4,5,6,7</sup> 0.908 ± 0.169	<sup>1,4,5,6,7</sup> 0.908 ± 0.169	<sup>6,7</sup> 0.943 ± 0.209	<sup>6,7</sup> 0.960 ± 0.195	<sup>7</sup> 0.863 ± 0.266	0.887 ± 0.250
<i>yeast6</i>	0.419 ± 0.182	0.728 ± 0.203	0.716 ± 0.204	<sup>6</sup> 0.365 ± 0.104	<sup>1,2,3,6</sup> 0.399 ± 0.094	0.212 ± 0.073	0.242 ± 0.086
<i>page-blocks-1-3-vs-4</i>	<sup>6,7</sup> 0.908 ± 0.102	<sup>1,4,5,6,7</sup> 0.940 ± 0.083	<sup>1,4,5,6,7</sup> 0.940 ± 0.083	<sup>6,7</sup> 0.688 ± 0.260	<sup>4,6,7</sup> 0.911 ± 0.215	0.763 ± 0.224	<sup>6</sup> 0.913 ± 0.145
<i>yeast-1-vs-7</i>	<sup>4,6</sup> 0.333 ± 0.141	<sup>1,4,6</sup> 0.450 ± 0.450	<sup>1,4,6</sup> 0.525 ± 0.447	0.189 ± 0.077	<sup>4,6</sup> 0.163 ± 0.067	0.149 ± 0.043	<sup>4,6</sup> 0.129 ± 0.028
<i>ecoli-0-1-3-7-vs-2-6</i>	<sup>4,5,6,7</sup> 0.465 ± 0.340	<sup>4,5,6,7</sup> 0.410 ± 0.486	<sup>1,4,5,6,7</sup> 0.480 ± 0.489	<sup>5,6,7</sup> 0.485 ± 0.350	<sup>7</sup> 0.407 ± 0.326	<sup>7</sup> 0.403 ± 0.311	0.277 ± 0.242
<i>yeast-1-4-5-8-vs-7</i>	<sup>7</sup> 0.112 ± 0.127	0.020 ± 0.139	<sup>7</sup> 0.020 ± 0.139	<sup>5,6,7</sup> 0.098 ± 0.039	<sup>7</sup> 0.094 ± 0.039	<sup>7</sup> 0.071 ± 0.016	0.072 ± 0.019
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>2,3</sup> 0.611 ± 0.150	0.882 ± 0.137	0.883 ± 0.136	<sup>2,3,6,7</sup> 0.894 ± 0.136	<sup>2,3,6,7</sup> 0.869 ± 0.151	<sup>2,3</sup> 0.803 ± 0.205	<sup>2,3</sup> 0.769 ± 0.179
<i>yeast-2-vs-8</i>	0.442 ± 0.271	<sup>1,7</sup> 0.868 ± 0.266	<sup>1,7</sup> 0.868 ± 0.266	<sup>1,6,7</sup> 0.912 ± 0.183	<sup>1,6,7</sup> 0.891 ± 0.204	<sup>1</sup> 0.823 ± 0.228	<sup>1</sup> 0.534 ± 0.268
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	0.709 ± 0.082	<sup>1,7</sup> 0.853 ± 0.085	<sup>1,7</sup> 0.853 ± 0.085	<sup>1,6,7</sup> 0.827 ± 0.075	<sup>1,7</sup> 0.826 ± 0.074	<sup>1,7</sup> 0.811 ± 0.091	0.803 ± 0.090
<i>glass2</i>	0.172 ± 0.228	<sup>1,4,5,6,7</sup> 0.290 ± 0.401	<sup>1,4,5,6,7</sup> 0.327 ± 0.415	<sup>1,7</sup> 0.220 ± 0.094	<sup>1,7</sup> 0.233 ± 0.092	<sup>1</sup> 0.134 ± 0.035	<sup>1</sup> 0.168 ± 0.043
	—	—	—	<sup>1,6,7</sup>	<sup>1,6,7</sup>	—	<sup>6</sup>

Table 5: Results for Precision metric

	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	3.317	5.720	5.622	4.439	4.293	2.244	2.366
	<sup>6,7</sup>	<sup>1,4,5,6,7</sup>	<sup>1,4,5,6,7</sup>	<sup>1,6,7</sup>	<sup>1,6,7</sup>	—	—

Table 6: Results for mean ranks according to Precision metric

Dataset	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.243 ± 0.247	0.157 ± 0.219	0.157 ± 0.219	0.757 ± 0.210	0.785 ± 0.215	0.888 ± 0.189	0.922 ± 0.152
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>2,3</sup> 0.728 ± 0.182	—	—	<sup>1,2,3</sup> 0.784 ± 0.168	<sup>1,2,3</sup> 0.796 ± 0.141	<sup>1,2,3,4,5</sup> 0.808 ± 0.164	<sup>1,2,3,4,5</sup> 0.824 ± 0.153
<i>shuttle-c2-vs-c4</i>	—	—	—	<sup>1,2</sup> 0.980 ± 0.097	<sup>1,2,3</sup> 0.980 ± 0.097	<sup>1,2,3</sup> 0.980 ± 0.097	<sup>1,2,3,4</sup> 0.980 ± 0.097
<i>glass-0-1-4-6-vs-2</i>	0.213 ± 0.216	0.143 ± 0.206	0.155 ± 0.217	0.713 ± 0.232	0.728 ± 0.247	0.893 ± 0.196	0.897 ± 0.205
<i>yeast-1-2-8-9-vs-7</i>	<sup>2</sup> 0.280 ± 0.168	—	—	<sup>1,2,3</sup> 0.450 ± 0.170	<sup>1,2,3</sup> 0.443 ± 0.151	<sup>1,2,3,4,5</sup> 0.667 ± 0.188	<sup>1,2,3,4,5</sup> 0.710 ± 0.178
<i>ecoli-0-1-4-6-vs-5</i>	<sup>2,3</sup> 0.615 ± 0.188	—	—	<sup>1,2,3</sup> 0.805 ± 0.160	<sup>1,2,3</sup> 0.815 ± 0.164	<sup>1,2,3,4,5</sup> 0.810 ± 0.154	<sup>1,2,3,4,5</sup> 0.825 ± 0.160
<i>glass-0-1-6-vs-5</i>	—	<sup>1</sup> 0.710 ± 0.333	<sup>1</sup> 0.730 ± 0.319	<sup>1,2,3</sup> 0.780 ± 0.318	<sup>1,2,3</sup> 0.810 ± 0.298	<sup>1,2,3</sup> 0.810 ± 0.280	<sup>1,2,3</sup> 0.840 ± 0.272
<i>yeast-2-vs-4</i>	—	—	—	—	<sup>1</sup> 0.719 ± 0.136	<sup>1</sup> 0.769 ± 0.154	<sup>1,2</sup> 0.788 ± 0.153
<i>glass-0-6-vs-5</i>	0.820 ± 0.328	0.820 ± 0.312	0.820 ± 0.312	0.590 ± 0.370	<sup>2</sup> 0.590 ± 0.370	<sup>2,3,4,5</sup> 0.690 ± 0.344	<sup>1,2,3,4,5</sup> 0.640 ± 0.361
<i>ecoli-0-3-4-6-vs-5</i>	<sup>4,5,6,7</sup> 0.680 ± 0.218	<sup>4,5,6,7</sup> 0.705 ± 0.243	<sup>4,5,6,7</sup> 0.710 ± 0.241	—	—	—	—
<i>yeast-0-3-5-9-vs-7-8</i>	—	—	—	<sup>1,2,3</sup> 0.374 ± 0.154	<sup>1,2,3</sup> 0.416 ± 0.154	<sup>1,2,3</sup> 0.510 ± 0.184	<sup>1,2,3</sup> 0.686 ± 0.152
<i>glass-0-1-5-vs-2</i>	<sup>2,3</sup> 0.262 ± 0.252	—	—	<sup>2,3</sup> 0.737 ± 0.249	<sup>2,3,4</sup> 0.773 ± 0.243	<sup>1,2,3,4,5</sup> 0.887 ± 0.165	<sup>all</sup> 0.913 ± 0.177
<i>ecoli-0-6-7-vs-5</i>	<sup>2,3</sup> 0.705 ± 0.243	—	—	<sup>1,2,3</sup> 0.760 ± 0.199	<sup>1,2,3</sup> 0.760 ± 0.193	<sup>1,2,3,4,5</sup> 0.780 ± 0.203	<sup>1,2,3,4,5</sup> 0.780 ± 0.197
<i>ecoli-0-2-3-4-vs-5</i>	—	<sup>1</sup> 0.725 ± 0.182	<sup>1</sup> 0.735 ± 0.183	—	—	<sup>1</sup> 0.835 ± 0.162	<sup>1</sup> 0.845 ± 0.157
<i>ecoli4</i>	—	—	—	<sup>1,2,3</sup> 0.845 ± 0.172	<sup>1,2,3</sup> 0.870 ± 0.181	<sup>1,2,3</sup> 0.875 ± 0.167	<sup>1,2,3</sup> 0.890 ± 0.181
<i>yeast5</i>	—	—	—	<sup>1,2,3</sup> 0.903 ± 0.105	<sup>1,2,3</sup> 0.886 ± 0.107	<sup>1,2,3</sup> 0.935 ± 0.102	<sup>1,2,3</sup> 0.895 ± 0.107
<i>ecoli-0-4-6-vs-5</i>	—	—	—	<sup>1,2,3</sup> 0.820 ± 0.158	<sup>1,2,3</sup> 0.840 ± 0.156	<sup>all</sup> 0.820 ± 0.158	<sup>1,2,3</sup> 0.845 ± 0.157
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	—	—	—	<sup>1,2,3</sup> 0.323 ± 0.177	<sup>1,2,3</sup> 0.326 ± 0.184	<sup>1,2,3</sup> 0.845 ± 0.140	<sup>1,2,3</sup> 0.843 ± 0.161
<i>ecoli-0-1-vs-5</i>	<sup>4,5</sup> 0.655 ± 0.205	<sup>4,5</sup> 0.720 ± 0.203	<sup>4,5</sup> 0.730 ± 0.211	—	—	<sup>1,2,3,4,5</sup> 0.825 ± 0.160	<sup>1,2,3,4,5</sup> 0.830 ± 0.153
<i>ecoli-0-2-6-7-vs-3-5</i>	—	<sup>1</sup> 0.688 ± 0.226	<sup>1</sup> 0.698 ± 0.212	<sup>1,2,3</sup> 0.693 ± 0.215	<sup>1,2,3</sup> 0.704 ± 0.193	<sup>1,2,3</sup> 0.712 ± 0.199	<sup>1,2,3</sup> 0.722 ± 0.195
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	—	—	—	—	—	—	—
<i>shuttle-c0-vs-c4</i>	—	—	—	<sup>1,2,3</sup> 0.996 ± 0.012	<sup>1,2,3</sup> 0.996 ± 0.012	<sup>1,2,3</sup> 0.996 ± 0.012	<sup>1,2,3</sup> 0.996 ± 0.012
<i>ecoli-0-6-7-vs-3-5</i>	—	—	—	—	—	—	—
<i>vowel0</i>	—	—	—	—	—	—	—
<i>glass4</i>	<sup>4,5,6,7</sup> 0.717 ± 0.277	<sup>4,5,6,7</sup> 0.720 ± 0.250	<sup>4,5,6,7</sup> 0.727 ± 0.253	—	—	<sup>4,5</sup> 0.680 ± 0.242	<sup>4,5</sup> 0.783 ± 0.219
<i>yeast-0-5-6-7-9-vs-4</i>	—	—	<sup>4</sup> 0.351 ± 0.150	—	—	—	<sup>4,5,6</sup> 0.820 ± 0.133
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	<sup>2,3</sup> 0.512 ± 0.097	—	—	<sup>1,2,3</sup> 0.574 ± 0.114	<sup>1,2,3</sup> 0.584 ± 0.111	<sup>1,2,3,4,5</sup> 0.598 ± 0.126	<sup>1,2,3,4,5</sup> 0.639 ± 0.124
<i>ecoli-0-1-vs-2-3-5</i>	<sup>2,3</sup> 0.615 ± 0.230	—	—	<sup>1,2,3</sup> 0.723 ± 0.178	<sup>1,2,3</sup> 0.723 ± 0.178	<sup>1,2,3,4</sup> 0.740 ± 0.177	<sup>all</sup> 0.749 ± 0.180
<i>ecoli-0-3-4-vs-5</i>	—	—	—	<sup>1,2,3</sup> 0.835 ± 0.215	<sup>1,2,3</sup> 0.840 ± 0.222	<sup>1,2,3</sup> 0.845 ± 0.199	<sup>1,2,3</sup> 0.850 ± 0.200
<i>glass5</i>	—	—	—	<sup>1,2,3</sup> 0.830 ± 0.293	<sup>1,2,3</sup> 0.840 ± 0.290	<sup>1,2,3</sup> 0.880 ± 0.256	<sup>1,2,3</sup> 0.880 ± 0.256
<i>yeast4</i>	—	—	—	<sup>1,2,3</sup> 0.613 ± 0.152	<sup>1,2,3</sup> 0.591 ± 0.158	<sup>1,2,3</sup> 0.799 ± 0.141	<sup>1,2,3</sup> 0.801 ± 0.129
<i>glass-0-4-vs-5</i>	<sup>2,3</sup> 1.000 ± 0.000	—	—	<sup>1,2,3</sup> 0.810 ± 0.280	<sup>1,2,3</sup> 0.830 ± 0.275	<sup>1,2,3,4,5</sup> 0.810 ± 0.280	<sup>1,2,3,4,5</sup> 0.830 ± 0.275
<i>yeast6</i>	<sup>4,5,6,7</sup> 0.477 ± 0.182	<sup>4,5,6,7</sup> 0.466 ± 0.170	<sup>4,5,6,7</sup> 0.469 ± 0.171	—	—	—	—
<i>page-blocks-1-3-vs-4</i>	—	—	—	<sup>1,2,3</sup> 0.446 ± 0.213	<sup>1,2,3</sup> 0.622 ± 0.219	<sup>1,2,3,4,5</sup> 0.664 ± 0.234	<sup>1,2,3,4,5</sup> 0.771 ± 0.171
<i>yeast-1-vs-7</i>	<sup>4,5,6,7</sup> 0.393 ± 0.190	<sup>4,5,6,7</sup> 0.103 ± 0.104	<sup>4,5,6,7</sup> 0.133 ± 0.124	—	<sup>4</sup> 0.520 ± 0.215	<sup>4</sup> 0.770 ± 0.176	<sup>4,5,6</sup> 0.757 ± 0.206
<i>ecoli-0-1-3-7-vs-2-6</i>	<sup>2,3</sup> 0.660 ± 0.417	—	—	<sup>1,2,3</sup> 0.700 ± 0.400	<sup>1,2,3</sup> 0.700 ± 0.400	<sup>1,2,3,4,5</sup> 0.700 ± 0.400	<sup>1,2,3,4,5</sup> 0.720 ± 0.389
<i>yeast-1-4-5-8-vs-7</i>	<sup>2,3</sup> 0.140 ± 0.157	—	—	<sup>2,3</sup> 0.437 ± 0.176	<sup>2,3</sup> 0.430 ± 0.179	<sup>2,3</sup> 0.700 ± 0.169	<sup>2,3</sup> 0.697 ± 0.172
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>2,3</sup> 0.656 ± 0.200	—	—	<sup>1,2,3</sup> 0.800 ± 0.174	<sup>1,2,3</sup> 0.812 ± 0.157	<sup>1,2,3,4,5</sup> 0.800 ± 0.187	<sup>1,2,3,4,5</sup> 0.828 ± 0.154
<i>yeast-2-vs-8</i>	—	—	—	<sup>1,2,3</sup> 0.555 ± 0.219	<sup>1,2,3</sup> 0.550 ± 0.229	<sup>1,2,3</sup> 0.570 ± 0.218	<sup>1,2,3</sup> 0.580 ± 0.236
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	—	<sup>1</sup> 0.759 ± 0.087	<sup>1</sup> 0.764 ± 0.086	<sup>1,2</sup> 0.820 ± 0.077	<sup>1,2</sup> 0.822 ± 0.072	<sup>1,2,3</sup> 0.817 ± 0.075	<sup>1,2,3</sup> 0.826 ± 0.075
<i>glass2</i>	—	<sup>1</sup> 0.120 ± 0.157	<sup>1</sup> 0.137 ± 0.158	<sup>1,2,3</sup> 0.700 ± 0.234	<sup>1,2,3</sup> 0.738 ± 0.219	<sup>1,2,3</sup> 0.893 ± 0.195	<sup>1,2,3</sup> 0.883 ± 0.184
	—	—	—	<sup>1,2,3</sup>	<sup>1,2,3</sup>	<sup>1,2,3,4,5</sup>	<sup>1,2,3,4,5</sup>

Table 7: Results for Recall metric

	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	2.829	2.354	3.134	3.707	4.317	5.488	6.171
	2	—	2	2	1,2,3,4	1,2,3,4,5	<i>all</i>

Table 8: Results for mean ranks according to Recall metric

Dataset	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.582 ± 0.128	0.571 ± 0.113	0.569 ± 0.112	0.735 ± 0.108	0.751 ± 0.105	0.685 ± 0.091	0.739 ± 0.077
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>1,2,3,6</sup> 0.843 ± 0.085	<sup>1</sup> 0.860 ± 0.083	<sup>1</sup> 0.869 ± 0.084	<sup>1,2,3,6</sup> 0.881 ± 0.086	<sup>1,2,3,6</sup> 0.886 ± 0.073	<sup>1,2,3</sup> 0.890 ± 0.084	<sup>1,2,3,6</sup> 0.895 ± 0.079
<i>shuttle-c2-vs-c4</i>	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 0.990 ± 0.048	<sup>1</sup> 0.990 ± 0.048	<sup>1</sup> 0.990 ± 0.048	<sup>1,2</sup> 0.990 ± 0.048
<i>glass-0-1-4-6-vs-2</i>	0.573 ± 0.117	0.563 ± 0.102	0.568 ± 0.108	0.728 ± 0.121	0.739 ± 0.125	0.681 ± 0.099	0.737 ± 0.106
<i>yeast-1-2-8-9-vs-7</i>	0.622 ± 0.082	0.539 ± 0.055	0.552 ± 0.059	<sup>1,2,3,6</sup> 0.677 ± 0.085	<sup>1,2,3,6</sup> 0.670 ± 0.073	<sup>1,2,3</sup> 0.696 ± 0.087	<sup>1,2,3,6</sup> 0.700 ± 0.085
<i>ecoli-0-1-4-6-vs-5</i>	<sup>2,3</sup> 0.792 ± 0.090	<sup>1</sup> 0.843 ± 0.085	<sup>1</sup> 0.848 ± 0.087	<sup>1,2,3,5</sup> 0.895 ± 0.078	<sup>1,2,3</sup> 0.899 ± 0.080	<sup>1,2,3,5</sup> 0.893 ± 0.074	<sup>1,2,3,5</sup> 0.901 ± 0.078
<i>glass-0-1-6-vs-5</i>	0.822 ± 0.182	<sup>1</sup> 0.849 ± 0.163	<sup>1</sup> 0.859 ± 0.156	<sup>1,2,3,6</sup> 0.873 ± 0.161	<sup>1,2,3,6</sup> 0.895 ± 0.150	<sup>1,2,3</sup> 0.867 ± 0.141	<sup>1,2,3,5</sup> 0.900 ± 0.137
<i>yeast-2-vs-4</i>	0.844 ± 0.064	<sup>1</sup> 0.830 ± 0.071	<sup>1</sup> 0.832 ± 0.070	<sup>6</sup> 0.851 ± 0.069	<sup>4,6</sup> 0.852 ± 0.067	<sup>1</sup> 0.871 ± 0.074	<sup>5,6</sup> 0.876 ± 0.072
<i>glass-0-6-vs-5</i>	0.899 ± 0.171	<sup>1</sup> 0.901 ± 0.163	<sup>1</sup> 0.901 ± 0.164	<sup>2,3</sup> 0.784 ± 0.187	<sup>2,3</sup> 0.787 ± 0.190	<sup>1,2,3</sup> 0.784 ± 0.183	<sup>1,2,3,4,5</sup> 0.791 ± 0.188
<i>ecoli-0-3-4-6-vs-5</i>	<sup>4,5,6,7</sup> 0.821 ± 0.111	<sup>4,5,6,7</sup> 0.847 ± 0.123	<sup>4,5,6,7</sup> 0.849 ± 0.122	<sup>6</sup> 0.901 ± 0.093	<sup>1</sup> 0.904 ± 0.087	<sup>1</sup> 0.906 ± 0.095	<sup>5,6</sup> 0.907 ± 0.090
<i>yeast-0-3-5-9-vs-7-8</i>	0.656 ± 0.070	<sup>1</sup> 0.597 ± 0.049	<sup>1</sup> 0.602 ± 0.051	<sup>1,2,3</sup> 0.661 ± 0.071	<sup>1,2,3</sup> 0.672 ± 0.073	<sup>1,2,3</sup> 0.689 ± 0.070	<sup>1,2,3</sup> 0.706 ± 0.061
<i>glass-0-1-5-vs-2</i>	<sup>2,3</sup> 0.592 ± 0.127	<sup>1</sup> 0.555 ± 0.106	<sup>1</sup> 0.562 ± 0.108	<sup>2,3</sup> 0.715 ± 0.125	<sup>2,3</sup> 0.734 ± 0.119	<sup>1,2,3,4,5</sup> 0.671 ± 0.091	<sup>1,2,3,4,5</sup> 0.713 ± 0.096
<i>ecoli-0-6-7-vs-5</i>	0.842 ± 0.121	<sup>1</sup> 0.869 ± 0.119	<sup>1</sup> 0.868 ± 0.119	<sup>1,2,3,6</sup> 0.870 ± 0.101	<sup>1,2,3,6</sup> 0.871 ± 0.099	<sup>1,2,3</sup> 0.873 ± 0.106	<sup>1,2,3,6</sup> 0.876 ± 0.102
<i>ecoli-0-2-3-4-vs-5</i>	0.850 ± 0.087	<sup>1</sup> 0.857 ± 0.092	<sup>1</sup> 0.862 ± 0.093	<sup>1</sup> 0.905 ± 0.080	<sup>1</sup> 0.911 ± 0.078	<sup>2,3,5</sup> 0.903 ± 0.082	<sup>2</sup> 0.908 ± 0.080
<i>ecoli4</i>	0.868 ± 0.091	<sup>1</sup> 0.875 ± 0.099	<sup>1</sup> 0.875 ± 0.099	<sup>1,2,3,6</sup> 0.919 ± 0.085	<sup>1,2,3</sup> 0.929 ± 0.091	<sup>1,2</sup> 0.930 ± 0.082	<sup>1,2,3</sup> 0.934 ± 0.089
<i>yeast5</i>	0.819 ± 0.085	<sup>1</sup> 0.815 ± 0.071	<sup>1</sup> 0.820 ± 0.076	<sup>1,2,3</sup> 0.941 ± 0.052	<sup>1,2,3</sup> 0.934 ± 0.053	<sup>1,2,3</sup> 0.952 ± 0.049	<sup>1,2,3,5</sup> 0.936 ± 0.053
<i>ecoli-0-4-6-vs-5</i>	0.814 ± 0.102	<sup>1</sup> 0.846 ± 0.102	<sup>1</sup> 0.851 ± 0.099	<sup>1,2,3</sup> 0.898 ± 0.082	<sup>1,2,3</sup> 0.905 ± 0.083	<sup>1,2,3</sup> 0.896 ± 0.081	<sup>1,2,3,5</sup> 0.907 ± 0.084
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	0.881 ± 0.072	<sup>1</sup> 0.879 ± 0.071	<sup>1</sup> 0.879 ± 0.072	<sup>1,2,3</sup> 0.651 ± 0.090	<sup>1,2,3</sup> 0.651 ± 0.093	<sup>1,2,3</sup> 0.903 ± 0.069	<sup>1,2,3</sup> 0.900 ± 0.078
<i>ecoli-0-1-vs-5</i>	<sup>2,3,4,5</sup> 0.814 ± 0.099	<sup>4,5</sup> 0.856 ± 0.100	<sup>4,5</sup> 0.861 ± 0.104	<sup>1</sup> 0.900 ± 0.079	<sup>1</sup> 0.907 ± 0.079	<sup>2,3,4,5</sup> 0.905 ± 0.080	<sup>4,5</sup> 0.909 ± 0.077
<i>ecoli-0-2-6-7-vs-3-5</i>	0.813 ± 0.129	<sup>1</sup> 0.838 ± 0.115	<sup>1</sup> 0.843 ± 0.108	<sup>1,2,3</sup> 0.836 ± 0.110	<sup>1,2,3</sup> 0.840 ± 0.101	<sup>1,2,3</sup> 0.834 ± 0.104	<sup>1,2,3</sup> 0.828 ± 0.107
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	0.796 ± 0.092	<sup>1,6,7</sup> 0.801 ± 0.092	<sup>1,6,7</sup> 0.808 ± 0.094	<sup>1,6,7</sup> 0.858 ± 0.084	<sup>6,7</sup> 0.859 ± 0.079	<sup>7</sup> 0.844 ± 0.090	<sup>1,6,7</sup> 0.846 ± 0.079
<i>shuttle-c0-vs-c4</i>	1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1,2,3,6,7</sup> 0.998 ± 0.006	<sup>1,2,3,6,7</sup> 0.998 ± 0.006	<sup>1,2,3</sup> 0.998 ± 0.006	<sup>1,2,3</sup> 0.998 ± 0.006
<i>ecoli-0-6-7-vs-3-5</i>	0.821 ± 0.123	<sup>1</sup> 0.841 ± 0.114	<sup>1</sup> 0.843 ± 0.111	<sup>1</sup> 0.829 ± 0.104	<sup>1</sup> 0.831 ± 0.104	<sup>1</sup> 0.841 ± 0.101	<sup>1</sup> 0.831 ± 0.104
<i>vowel0</i>	0.963 ± 0.028	<sup>1,4,5,6,7</sup> 0.958 ± 0.029	<sup>1,4,5,6,7</sup> 0.958 ± 0.028	<sup>1</sup> 0.818 ± 0.061	<sup>1</sup> 0.809 ± 0.067	<sup>7</sup> 0.873 ± 0.071	<sup>1</sup> 0.865 ± 0.072
<i>glass4</i>	<sup>4,5,6,7</sup> 0.846 ± 0.136	<sup>4,5,6,7</sup> 0.854 ± 0.125	<sup>4,5,6,7</sup> 0.857 ± 0.127	<sup>1</sup> 0.787 ± 0.150	<sup>1</sup> 0.805 ± 0.152	<sup>4,5</sup> 0.798 ± 0.123	<sup>4,5</sup> 0.862 ± 0.110
<i>yeast-0-5-6-7-9-vs-4</i>	<sup>4,5,6</sup> 0.670 ± 0.077	<sup>4,5,6</sup> 0.665 ± 0.073	<sup>4,5,6</sup> 0.663 ± 0.073	<sup>4</sup> 0.790 ± 0.047	<sup>4</sup> 0.793 ± 0.046	<sup>1</sup> 0.800 ± 0.055	<sup>4,6</sup> 0.793 ± 0.056
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	0.725 ± 0.050	<sup>1</sup> 0.731 ± 0.040	<sup>1</sup> 0.733 ± 0.042	<sup>1,2,3</sup> 0.773 ± 0.057	<sup>1,2,3</sup> 0.776 ± 0.054	<sup>1,2,3</sup> 0.770 ± 0.055	<sup>1,2,3</sup> 0.775 ± 0.055
<i>ecoli-0-1-vs-2-3-5</i>	0.786 ± 0.114	<sup>1</sup> 0.804 ± 0.108	<sup>1</sup> 0.807 ± 0.109	<sup>1,2,3</sup> 0.859 ± 0.088	<sup>1,2,3</sup> 0.859 ± 0.089	<sup>1,2,3</sup> 0.850 ± 0.092	<sup>1,2,3</sup> 0.859 ± 0.091
<i>ecoli-0-3-4-vs-5</i>	0.828 ± 0.116	<sup>1</sup> 0.866 ± 0.119	<sup>1</sup> 0.866 ± 0.119	<sup>1,2,3,6,7</sup> 0.907 ± 0.107	<sup>1,2,3,6,7</sup> 0.910 ± 0.112	<sup>1,2,3</sup> 0.910 ± 0.098	<sup>1,2,3</sup> 0.914 ± 0.100
<i>glass5</i>	0.831 ± 0.189	<sup>1</sup> 0.817 ± 0.199	<sup>1</sup> 0.822 ± 0.200	<sup>1,2,3</sup> 0.903 ± 0.143	<sup>1,2,3</sup> 0.912 ± 0.142	<sup>1,2,3</sup> 0.904 ± 0.126	<sup>1,2,3</sup> 0.915 ± 0.127
<i>yeast4</i>	0.668 ± 0.071	<sup>1</sup> 0.596 ± 0.059	<sup>1</sup> 0.601 ± 0.062	<sup>1</sup> 0.779 ± 0.074	<sup>4,6</sup> 0.769 ± 0.078	<sup>4</sup> 0.834 ± 0.063	<sup>4,5,6</sup> 0.829 ± 0.059
<i>glass-0-4-vs-5</i>	<sup>2,3</sup> 0.992 ± 0.016	<sup>1</sup> 0.992 ± 0.016	<sup>1</sup> 0.992 ± 0.016	<sup>1,2,3</sup> 0.903 ± 0.142	<sup>1,2,3</sup> 0.915 ± 0.137	<sup>1,2,3,4,5</sup> 0.895 ± 0.144	<sup>1,2,3,4,5</sup> 0.908 ± 0.141
<i>yeast6</i>	<sup>4,6,7</sup> 0.729 ± 0.089	<sup>4,6,7</sup> 0.730 ± 0.084	<sup>4,6,7</sup> 0.732 ± 0.085	<sup>6</sup> 0.838 ± 0.087	<sup>6,7</sup> 0.833 ± 0.084	<sup>1</sup> 0.848 ± 0.072	<sup>1</sup> 0.841 ± 0.082
<i>page-blocks-1-3-vs-4</i>	0.956 ± 0.064	<sup>1</sup> 0.981 ± 0.051	<sup>1</sup> 0.981 ± 0.051	<sup>1,2,3</sup> 0.716 ± 0.105	<sup>1,2,3</sup> 0.810 ± 0.110	<sup>1,2,3</sup> 0.823 ± 0.114	<sup>1,2,3</sup> 0.883 ± 0.087
<i>yeast-1-vs-7</i>	<sup>4,5,6,7</sup> 0.669 ± 0.095	<sup>1,4,5,6,7</sup> 0.550 ± 0.052	<sup>1,4,5,6,7</sup> 0.565 ± 0.062	<sup>1</sup> 0.679 ± 0.105	<sup>4</sup> 0.665 ± 0.103	<sup>4</sup> 0.724 ± 0.082	<sup>4,5,6</sup> 0.699 ± 0.092
<i>ecoli-0-1-3-7-vs-2-6</i>	<sup>2,3</sup> 0.820 ± 0.209	<sup>1</sup> 0.659 ± 0.205	<sup>1</sup> 0.694 ± 0.214	<sup>2,3,5</sup> 0.838 ± 0.199	<sup>2,3</sup> 0.832 ± 0.199	<sup>all</sup> 0.834 ± 0.197	<sup>1,2,3,5</sup> 0.831 ± 0.189
<i>yeast-1-4-5-8-vs-7</i>	<sup>2</sup> 0.546 ± 0.078	<sup>1</sup> 0.501 ± 0.011	<sup>1</sup> 0.501 ± 0.011	<sup>2,3,5,6,7</sup> 0.625 ± 0.091	<sup>1,2,3,7</sup> 0.620 ± 0.091	<sup>2,3,7</sup> 0.642 ± 0.079	<sup>1,2,3</sup> 0.642 ± 0.089
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>2,3</sup> 0.809 ± 0.095	<sup>1</sup> 0.822 ± 0.097	<sup>1</sup> 0.828 ± 0.100	<sup>1,2,3</sup> 0.895 ± 0.086	<sup>1,2,3</sup> 0.900 ± 0.079	<sup>1,2,3</sup> 0.888 ± 0.093	<sup>1,2,3</sup> 0.901 ± 0.077
<i>yeast-2-vs-8</i>	0.704 ± 0.113	<sup>1</sup> 0.749 ± 0.122	<sup>1</sup> 0.754 ± 0.124	<sup>1,2,3,6</sup> 0.776 ± 0.110	<sup>1,2,3,6</sup> 0.773 ± 0.115	<sup>1,2,3</sup> 0.780 ± 0.111	<sup>1,2,3,5</sup> 0.771 ± 0.111
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	0.844 ± 0.051	<sup>1</sup> 0.872 ± 0.044	<sup>1</sup> 0.874 ± 0.043	<sup>1,2,7</sup> 0.900 ± 0.038	<sup>1,7</sup> 0.901 ± 0.036	<sup>1,2,7</sup> 0.897 ± 0.038	<sup>1</sup> 0.901 ± 0.037
<i>glass2</i>	<sup>1</sup> 0.561 ± 0.118	<sup>1</sup> 0.553 ± 0.079	<sup>1</sup> 0.560 ± 0.079	<sup>1,2,3</sup> 0.738 ± 0.119	<sup>1,2,3</sup> 0.758 ± 0.121	<sup>1,2,3</sup> 0.696 ± 0.094	<sup>1,2,3</sup> 0.749 ± 0.094

Table 9: Results for AUC metric

	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	2.561	2.671	3.280	4.244	4.854	4.756	5.634
	—	—	1,2	1,2	1,2,3,4	1,2,3	<i>all</i>

Table 10: Results for mean ranks according to AUC metric

Dataset	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>glass-0-1-6-vs-2</i>	0.358 ± 0.310	0.240 ± 0.313	0.239 ± 0.312	0.725 ± 0.114	0.739 ± 0.111	0.644 ± 0.090	0.708 ± 0.082
<i>ecoli-0-3-4-7-vs-5-6</i>	<sup>1,2,3,6</sup> 0.828 ± 0.102	<sup>1,2,3,6</sup> 0.843 ± 0.100	<sup>1,2,3,6</sup> 0.854 ± 0.099	<sup>1,2,3,6</sup> 0.871 ± 0.098	<sup>1,2,3,6,7</sup> 0.878 ± 0.080	<sup>1,2,3</sup> 0.881 ± 0.094	<sup>1,2,3,6</sup> 0.888 ± 0.087
<i>shuttle-c2-vs-c4</i>	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 0.988 ± 0.057	<sup>1</sup> 0.988 ± 0.057	<sup>1</sup> 0.988 ± 0.057	<sup>1,2</sup> 0.988 ± 0.057
<i>glass-0-1-4-6-vs-2</i>	0.336 ± 0.298	0.226 ± 0.297	0.241 ± 0.305	0.711 ± 0.155	0.719 ± 0.161	0.629 ± 0.129	0.711 ± 0.106
<i>yeast-1-2-8-9-vs-7</i>	0.475 ± 0.209	0.172 ± 0.224	0.228 ± 0.233	<sup>1,2,3,6</sup> 0.625 ± 0.124	<sup>1,2,3,6</sup> 0.620 ± 0.111	<sup>1,2,3</sup> 0.685 ± 0.105	<sup>1,2,3,6</sup> 0.693 ± 0.086
<i>ecoli-0-1-4-6-vs-5</i>	<sup>2,3</sup> 0.756 ± 0.151	<sup>1,2,3,4,5</sup> 0.824 ± 0.105	<sup>1,2,3,5</sup> 0.829 ± 0.106	<sup>1,2,3,5</sup> 0.885 ± 0.089	<sup>1,2,3</sup> 0.890 ± 0.091	<sup>1,2,3,4,5</sup> 0.885 ± 0.084	<sup>1,2,3,4,5</sup> 0.893 ± 0.088
<i>glass-0-1-6-vs-5</i>	0.729 ± 0.343	<sup>1</sup> 0.783 ± 0.293	<sup>1</sup> 0.803 ± 0.272	<sup>1,2,3,6</sup> 0.825 ± 0.274	<sup>1,2,3,6</sup> 0.855 ± 0.250	<sup>1,2,3</sup> 0.837 ± 0.215	<sup>1,2,3,5</sup> 0.871 ± 0.217
<i>yeast-2-vs-4</i>	0.831 ± 0.076	0.812 ± 0.090	<sup>1</sup> 0.814 ± 0.090	<sup>1</sup> 0.836 ± 0.082	<sup>4,6</sup> 0.838 ± 0.079	<sup>4</sup> 0.860 ± 0.085	<sup>5,6</sup> 0.867 ± 0.082
<i>glass-0-6-vs-5</i>	0.846 ± 0.301	0.856 ± 0.277	0.856 ± 0.278	<sup>3</sup> 0.670 ± 0.359	<sup>2,3</sup> 0.674 ± 0.361	<sup>1,2,3</sup> 0.721 ± 0.297	<sup>1,2,3,4,5</sup> 0.703 ± 0.334
<i>ecoli-0-3-4-6-vs-5</i>	<sup>4,5,6,7</sup> 0.796 ± 0.143	<sup>4,5,6,7</sup> 0.821 ± 0.155	<sup>4,5,6,7</sup> 0.823 ± 0.154	<sup>1</sup> 0.892 ± 0.105	<sup>1</sup> 0.896 ± 0.098	<sup>7</sup> 0.898 ± 0.107	<sup>1</sup> 0.900 ± 0.100
<i>yeast-0-3-5-9-vs-7-8</i>	0.588 ± 0.119	<sup>1</sup> 0.432 ± 0.141	<sup>1</sup> 0.445 ± 0.134	<sup>1,2,3</sup> 0.577 ± 0.139	<sup>1,2,3</sup> 0.605 ± 0.136	<sup>1,2,3</sup> 0.644 ± 0.133	<sup>1,2,3</sup> 0.696 ± 0.068
<i>glass-0-1-5-vs-2</i>	<sup>2,3</sup> 0.389 ± 0.300	<sup>1</sup> 0.195 ± 0.294	<sup>1</sup> 0.219 ± 0.301	<sup>2,3</sup> 0.696 ± 0.158	<sup>2,3</sup> 0.714 ± 0.152	<sup>1,2,3,4,5</sup> 0.628 ± 0.086	<sup>all</sup> 0.675 ± 0.100
<i>ecoli-0-6-7-vs-5</i>	<sup>2,3</sup> 0.811 ± 0.182	<sup>1</sup> 0.848 ± 0.149	<sup>1</sup> 0.848 ± 0.149	<sup>1,2,3,6</sup> 0.855 ± 0.120	<sup>1,2,3,6,7</sup> 0.856 ± 0.117	<sup>1,2,3</sup> 0.860 ± 0.123	<sup>1,2,3,6</sup> 0.863 ± 0.119
<i>ecoli-0-2-3-4-vs-5</i>	0.834 ± 0.109	<sup>1</sup> 0.839 ± 0.114	<sup>1</sup> 0.845 ± 0.115	<sup>1</sup> 0.897 ± 0.090	<sup>1</sup> 0.904 ± 0.087	<sup>2,3,5</sup> 0.896 ± 0.091	<sup>2</sup> 0.902 ± 0.088
<i>ecoli4</i>	0.854 ± 0.106	<sup>1</sup> 0.859 ± 0.122	<sup>1</sup> 0.858 ± 0.122	<sup>1,2,3,6</sup> 0.911 ± 0.097	<sup>1,2,3</sup> 0.921 ± 0.108	<sup>1,2</sup> 0.923 ± 0.093	<sup>1,2,3</sup> 0.926 ± 0.106
<i>yeast5</i>	0.793 ± 0.113	<sup>1</sup> 0.790 ± 0.091	<sup>1</sup> 0.796 ± 0.096	<sup>1,2,3</sup> 0.938 ± 0.058	<sup>1,2,3</sup> 0.931 ± 0.058	<sup>1,2,3</sup> 0.950 ± 0.055	<sup>1,2,3,5</sup> 0.933 ± 0.057
<i>ecoli-0-4-6-vs-5</i>	0.787 ± 0.136	0.824 ± 0.129	0.830 ± 0.126	<sup>1,2,3</sup> 0.890 ± 0.091	<sup>1,2,3</sup> 0.899 ± 0.091	<sup>1,2,3</sup> 0.888 ± 0.090	<sup>1,2,3,5</sup> 0.901 ± 0.091
<i>led7digit-0-2-4-5-6-7-8-9-vs-1</i>	0.871 ± 0.081	<sup>1</sup> 0.872 ± 0.080	<sup>1</sup> 0.872 ± 0.080	<sup>1,2,3</sup> 0.525 ± 0.202	<sup>1,2,3</sup> 0.529 ± 0.196	<sup>1,2,3</sup> 0.898 ± 0.078	<sup>1,2,3</sup> 0.892 ± 0.093
<i>ecoli-0-1-vs-5</i>	<sup>4,5</sup> 0.788 ± 0.125	<sup>1,4,5</sup> 0.836 ± 0.125	<sup>1,4,5</sup> 0.841 ± 0.128	<sup>1</sup> 0.890 ± 0.091	<sup>1</sup> 0.898 ± 0.090	<sup>2,3,4,5</sup> 0.897 ± 0.090	<sup>4,5</sup> 0.901 ± 0.086
<i>ecoli-0-2-6-7-vs-3-5</i>	0.771 ± 0.207	<sup>1</sup> 0.806 ± 0.174	<sup>1</sup> 0.819 ± 0.137	<sup>1,2,3</sup> 0.813 ± 0.140	<sup>1,2,3</sup> 0.821 ± 0.124	<sup>1,2,3</sup> 0.816 ± 0.125	<sup>1,2,3</sup> 0.813 ± 0.124
<i>ecoli-0-1-4-7-vs-2-3-5-6</i>	0.770 ± 0.117	<sup>1</sup> 0.767 ± 0.127	<sup>1,6,7</sup> 0.777 ± 0.129	<sup>1</sup> 0.843 ± 0.101	<sup>1,6,7</sup> 0.844 ± 0.095	<sup>2,4,7</sup> 0.832 ± 0.104	<sup>2,4</sup> 0.833 ± 0.092
<i>shuttle-c0-vs-c4</i>	1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1</sup> 1.000 ± 0.000	<sup>1,2,3,6,7</sup> 0.998 ± 0.006	<sup>1,2,3,6,7</sup> 0.998 ± 0.006	<sup>1,2,3</sup> 0.998 ± 0.006	<sup>1,2,3</sup> 0.998 ± 0.006
<i>ecoli-0-6-7-vs-3-5</i>	0.780 ± 0.206	<sup>1</sup> 0.809 ± 0.176	<sup>1</sup> 0.813 ± 0.171	<sup>1</sup> 0.805 ± 0.129	<sup>1</sup> 0.809 ± 0.128	<sup>1</sup> 0.825 ± 0.123	<sup>1</sup> 0.815 ± 0.124
<i>vowel0</i>	0.962 ± 0.029	<sup>1,4,5</sup> 0.957 ± 0.031	<sup>1,4,5</sup> 0.957 ± 0.030	<sup>1</sup> 0.796 ± 0.077	<sup>1</sup> 0.783 ± 0.086	<sup>2,3,7</sup> 0.861 ± 0.083	<sup>2,3</sup> 0.850 ± 0.087
<i>glass4</i>	<sup>4,5,6,7</sup> 0.813 ± 0.193	<sup>4,5,6,7</sup> 0.824 ± 0.180	<sup>4,5,6,7</sup> 0.827 ± 0.182	<sup>1</sup> 0.728 ± 0.255	<sup>1</sup> 0.749 ± 0.258	<sup>4,5</sup> 0.776 ± 0.143	<sup>4,5</sup> 0.849 ± 0.124
<i>yeast-0-5-6-7-9-vs-4</i>	<sup>4,5</sup> 0.605 ± 0.121	<sup>4,5,6</sup> 0.573 ± 0.125	<sup>4,5,6</sup> 0.571 ± 0.125	<sup>1</sup> 0.779 ± 0.055	<sup>4</sup> 0.782 ± 0.053	<sup>1</sup> 0.793 ± 0.058	<sup>4,6</sup> 0.785 ± 0.059
<i>yeast-0-2-5-6-vs-3-7-8-9</i>	0.690 ± 0.067	<sup>1</sup> 0.684 ± 0.057	<sup>1</sup> 0.687 ± 0.060	<sup>1,2,3</sup> 0.743 ± 0.076	<sup>1,2,3</sup> 0.748 ± 0.073	<sup>1,2,3</sup> 0.745 ± 0.073	<sup>1,2,3</sup> 0.757 ± 0.068
<i>ecoli-0-1-vs-2-3-5</i>	0.746 ± 0.175	<sup>1</sup> 0.769 ± 0.144	<sup>1</sup> 0.774 ± 0.146	<sup>1,2,3</sup> 0.841 ± 0.108	<sup>1,2,3</sup> 0.841 ± 0.108	<sup>1,2,3</sup> 0.837 ± 0.109	<sup>1,2,3,4,6</sup> 0.845 ± 0.109
<i>ecoli-0-3-4-vs-5</i>	0.802 ± 0.148	<sup>1</sup> 0.845 ± 0.147	<sup>1</sup> 0.845 ± 0.147	<sup>1,2,3,6</sup> 0.895 ± 0.130	<sup>1,2,3,6</sup> 0.892 ± 0.169	<sup>1,2,3</sup> 0.899 ± 0.116	<sup>all</sup> 0.904 ± 0.122
<i>glass5</i>	0.729 ± 0.364	<sup>1</sup> 0.695 ± 0.389	<sup>1</sup> 0.701 ± 0.391	<sup>1,2,3</sup> 0.864 ± 0.248	<sup>1,2,3</sup> 0.874 ± 0.248	<sup>1,2,3</sup> 0.879 ± 0.207	<sup>1,2,3</sup> 0.889 ± 0.210
<i>yeast4</i>	0.581 ± 0.126	<sup>1</sup> 0.416 ± 0.155	<sup>1</sup> 0.425 ± 0.160	<sup>1</sup> 0.755 ± 0.095	<sup>4</sup> 0.741 ± 0.103	<sup>4,5</sup> 0.828 ± 0.069	<sup>4,5,6</sup> 0.825 ± 0.064
<i>glass-0-4-vs-5</i>	<sup>2,3</sup> 0.991 ± 0.017	<sup>1</sup> 0.991 ± 0.017	<sup>1</sup> 0.991 ± 0.017	<sup>1,2,3</sup> 0.871 ± 0.222	<sup>1,2,3</sup> 0.884 ± 0.220	<sup>1,2,3,4,5</sup> 0.864 ± 0.221	<sup>1,2,3,4,5</sup> 0.878 ± 0.220
<i>yeast6</i>	<sup>4,6,7</sup> 0.670 ± 0.136	<sup>4,6,7</sup> 0.668 ± 0.132	<sup>4,6,7</sup> 0.670 ± 0.132	<sup>6</sup> 0.821 ± 0.109	<sup>6</sup> 0.813 ± 0.106	<sup>1</sup> 0.839 ± 0.082	<sup>1</sup> 0.829 ± 0.101
<i>page-blocks-1-3-vs-4</i>	0.952 ± 0.072	<sup>1</sup> 0.979 ± 0.057	<sup>1</sup> 0.979 ± 0.057	<sup>1,2,3</sup> 0.630 ± 0.206	<sup>1,2,3</sup> 0.764 ± 0.193	<sup>1,2,3</sup> 0.793 ± 0.147	<sup>1,2,3</sup> 0.870 ± 0.101
<i>yeast-1-vs-7</i>	<sup>4,5,6,7</sup> 0.582 ± 0.181	<sup>1,4,5,6,7</sup> 0.234 ± 0.220	<sup>1,4,5,6,7</sup> 0.282 ± 0.230	<sup>1</sup> 0.647 ± 0.133	<sup>4</sup> 0.628 ± 0.154	<sup>4</sup> 0.714 ± 0.084	<sup>4,5,6</sup> 0.686 ± 0.090
<i>ecoli-0-1-3-7-vs-2-6</i>	<sup>2,3</sup> 0.695 ± 0.405	<sup>1</sup> 0.361 ± 0.435	<sup>1</sup> 0.435 ± 0.447	<sup>1,2,3,5</sup> 0.732 ± 0.382	<sup>2,3</sup> 0.728 ± 0.380	<sup>all</sup> 0.729 ± 0.380	<sup>1,2,3,4,5</sup> 0.737 ± 0.361
<i>yeast-1-4-5-8-vs-7</i>	<sup>2,3</sup> 0.261 ± 0.254	<sup>1</sup> 0.008 ± 0.057	<sup>1</sup> 0.008 ± 0.057	<sup>2,3,5,6</sup> 0.579 ± 0.142	<sup>2,3</sup> 0.572 ± 0.144	<sup>2,3</sup> 0.632 ± 0.076	<sup>all</sup> 0.634 ± 0.083
<i>ecoli-0-1-4-7-vs-5-6</i>	<sup>2,3</sup> 0.784 ± 0.121	<sup>1</sup> 0.794 ± 0.127	<sup>1</sup> 0.801 ± 0.131	<sup>1,2,3</sup> 0.884 ± 0.101	<sup>1,2,3</sup> 0.891 ± 0.088	<sup>1,2,3,4,5</sup> 0.876 ± 0.113	<sup>1,2,3,4,5</sup> 0.894 ± 0.085
<i>yeast-2-vs-8</i>	0.598 ± 0.252	<sup>1</sup> 0.669 ± 0.225	<sup>1</sup> 0.676 ± 0.228	<sup>1,2,3,6</sup> 0.728 ± 0.153	<sup>1,2,3,6</sup> 0.718 ± 0.181	<sup>1,2,3</sup> 0.736 ± 0.152	<sup>1,2,3,5</sup> 0.723 ± 0.176
<i>yeast-0-2-5-7-9-vs-3-6-8</i>	0.832 ± 0.061	<sup>1</sup> 0.863 ± 0.050	<sup>1</sup> 0.866 ± 0.050	<sup>1,2,7</sup> 0.896 ± 0.042	<sup>1</sup> 0.897 ± 0.039	<sup>1,2,7</sup> 0.893 ± 0.042	<sup>1,5</sup> 0.897 ± 0.041
<i>glass2</i>	0.276 ± 0.311	<sup>1</sup> 0.211 ± 0.271	<sup>1</sup> 0.242 ± 0.274	<sup>1,2,3</sup> 0.719 ± 0.158	<sup>1,2,3</sup> 0.743 ± 0.158	<sup>1,2,3</sup> 0.657 ± 0.088	<sup>1,2,3</sup> 0.729 ± 0.093
	<sup>1,2,3,6</sup>		<sup>1,2,3,6</sup>	<sup>1,2,3,6</sup>	<sup>1,2,3,6</sup>	<sup>1,2,3</sup>	<sup>1,2,3,6</sup>

Table 11: Results for GMEAN metric

	CART (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
<i>Mean rank</i>	2.634	2.476	3.207	4.122	4.707	5.000	5.854
	—	—	1,2	1,2	1,2,3,4	1,2,3,4	<i>all</i>

Table 12: Results for mean ranks according to GMEAN metric