Table 1 — Results for BAC metric (superscript markers indicate significantly outperformed methods; "all" = all others; "−" = none):

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.881 ± 0.093 [−]	0.880 ± 0.091 [−]	0.857 ± 0.090 [−]	0.857 ± 0.094 [−]	0.861 ± 0.089 [−]	0.856 ± 0.089 [−]
yeast-1-4-5-8-vs-7	0.567 ± 0.075 [−]	0.585 ± 0.090 [−]	0.609 ± 0.093 [−]	0.637 ± 0.102 [−]	0.602 ± 0.098 [6]	0.622 ± 0.099 [−]
glass2	0.723 ± 0.136 [−]	0.711 ± 0.132 [−]	0.759 ± 0.107 [1,5]	0.736 ± 0.092 [1,2,5]	0.755 ± 0.103 [1]	0.748 ± 0.102 [1,2]
glass-0-1-4-6-vs-2	0.712 ± 0.109 [−]	0.701 ± 0.113 [−]	0.746 ± 0.105 [all]	0.719 ± 0.100 [−]	0.744 ± 0.110 [2,4,6]	0.737 ± 0.099 [2,4]
glass-0-1-6-vs-2	0.684 ± 0.121 [−]	0.674 ± 0.125 [−]	0.753 ± 0.092 [4,5,6]	0.728 ± 0.093 [−]	0.742 ± 0.090 [4,6]	0.740 ± 0.094 [4]
ecoli-0-1-4-7-vs-2-3-5-6	0.854 ± 0.080 [−]	0.857 ± 0.082 [−]	0.861 ± 0.081 [all]	0.857 ± 0.080 [1,2]	0.858 ± 0.081 [1,2,4,6]	0.858 ± 0.081 [1,2,4]
yeast-0-5-6-7-9-vs-4	0.805 ± 0.058 [−]	0.807 ± 0.059 [−]	0.791 ± 0.053 [1,2,4,6]	0.803 ± 0.049 [−]	0.787 ± 0.051 [1,2,4,6]	0.800 ± 0.059 [1]
ecoli-0-1-vs-5	0.920 ± 0.074 [3,5]	0.918 ± 0.074 [3,5]	0.898 ± 0.082 [−]	0.910 ± 0.075 [3,5]	0.900 ± 0.080 [−]	0.912 ± 0.072 [−]
yeast-2-vs-8	0.785 ± 0.115 [−]	0.784 ± 0.109 [6]	0.773 ± 0.116 [−]	0.772 ± 0.115 [−]	0.776 ± 0.111 [−]	0.778 ± 0.112 [−]
yeast-0-2-5-7-9-vs-3-6-8	0.900 ± 0.040 [2,5,6]	0.897 ± 0.039 [6]	0.898 ± 0.038 [−]	0.895 ± 0.041 [−]	0.901 ± 0.037 [−]	0.898 ± 0.038 [−]
glass-0-4-vs-5	0.971 ± 0.064 [2]	0.982 ± 0.045 [−]	0.827 ± 0.161 [−]	0.854 ± 0.152 [−]	0.856 ± 0.159 [−]	0.830 ± 0.159 [−]
ecoli-0-3-4-7-vs-5-6	0.900 ± 0.072 [3,4,5,6]	0.900 ± 0.072 [3,4,5,6]	0.877 ± 0.078 [−]	0.902 ± 0.078 [−]	0.877 ± 0.078 [−]	0.887 ± 0.080 [−]
ecoli-0-1-4-6-vs-5	0.920 ± 0.075 [−]	0.917 ± 0.075 [−]	0.906 ± 0.078 [−]	0.906 ± 0.079 [−]	0.903 ± 0.077 [−]	0.905 ± 0.078 [−]
ecoli4	0.916 ± 0.097 [2,5,6]	0.915 ± 0.096 [−]	0.931 ± 0.084 [−]	0.931 ± 0.084 [−]	0.937 ± 0.081 [−]	0.929 ± 0.086 [−]
page-blocks-1-3-vs-4	0.931 ± 0.067 [−]	0.932 ± 0.068 [−]	0.749 ± 0.100 [1,2,4,6]	0.820 ± 0.110 [1,2,6]	0.786 ± 0.111 [1,2,4,6]	0.800 ± 0.109 [2]
ecoli-0-3-4-vs-5	0.916 ± 0.099 [3,4,5,6]	0.913 ± 0.098 [3,4,5,6]	0.911 ± 0.104 [−]	0.908 ± 0.105 [3,5]	0.911 ± 0.104 [3]	0.905 ± 0.110 [3,5]
yeast-1-vs-7	0.665 ± 0.102 [2]	0.674 ± 0.097 [−]	0.642 ± 0.100 [−]	0.674 ± 0.110 [−]	0.622 ± 0.100 [−]	0.652 ± 0.102 [−]
yeast4	0.726 ± 0.075 [3,5]	0.727 ± 0.072 [3,5,6]	0.755 ± 0.068 [−]	0.794 ± 0.075 [3,5]	0.753 ± 0.070 [−]	0.791 ± 0.068 [5]
ecoli-0-1-4-7-vs-5-6	0.907 ± 0.072 [−]	0.908 ± 0.070 [1]	0.897 ± 0.076 [1,2]	0.903 ± 0.075 [1,2,3,5]	0.889 ± 0.083 [2]	0.898 ± 0.076 [1,2,3,5]
vowel0	0.999 ± 0.002 [−]	0.999 ± 0.001 [−]	0.807 ± 0.066 [−]	0.928 ± 0.053 [−]	0.867 ± 0.061 [−]	0.884 ± 0.052 [3]
ecoli-0-3-4-6-vs-5	0.917 ± 0.086 [3,4,5,6]	0.914 ± 0.086 [3,4,5,6]	0.899 ± 0.089 [−]	0.894 ± 0.092 [3,5,6]	0.898 ± 0.090 [3]	0.890 ± 0.091 [3,5]
glass-0-1-6-vs-5	0.883 ± 0.148 [all]	0.873 ± 0.150 [3,4,5,6]	0.854 ± 0.152 [−]	0.860 ± 0.153 [−]	0.847 ± 0.153 [−]	0.847 ± 0.154 [−]
yeast-0-2-5-6-vs-3-7-8-9	0.797 ± 0.045 [3,5,6]	0.793 ± 0.045 [5,6]	0.767 ± 0.051 [−]	0.767 ± 0.051 [5,6]	0.773 ± 0.056 [−]	0.754 ± 0.053 [−]
yeast6	0.821 ± 0.092 [all]	0.818 ± 0.097 [3,4,5,6]	0.844 ± 0.082 [6]	0.860 ± 0.079 [6]	0.847 ± 0.081 [6]	0.863 ± 0.074 [−]
led7digit-0-2-4-5-6-7-8-9-vs-1	0.901 ± 0.059 [2]	0.872 ± 0.087 [−]	0.617 ± 0.085 [1,2]	0.883 ± 0.071 [1,2]	0.644 ± 0.087 [1,2,3]	0.873 ± 0.101 [1,2]
glass5	0.819 ± 0.198 [3,5]	0.824 ± 0.198 [3,5]	0.839 ± 0.180 [−]	0.852 ± 0.167 [3,5]	0.847 ± 0.174 [−]	0.842 ± 0.175 [3,5]
glass-0-6-vs-5	0.920 ± 0.139 [−]	0.920 ± 0.139 [−]	0.809 ± 0.182 [−]	0.838 ± 0.156 [−]	0.796 ± 0.186 [−]	0.816 ± 0.170 [−]
glass-0-1-5-vs-2	0.697 ± 0.142 [3,4,5,6]	0.682 ± 0.133 [3,4,5,6]	0.724 ± 0.124 [−]	0.687 ± 0.115 [5]	0.723 ± 0.108 [−]	0.715 ± 0.106 [−]
ecoli-0-6-7-vs-3-5	0.849 ± 0.095 [−]	0.864 ± 0.094 [−]	0.829 ± 0.107 [2,4,5,6]	0.830 ± 0.105 [−]	0.831 ± 0.106 [2,4,6]	0.833 ± 0.100 [4]
glass4	0.909 ± 0.143 [−]	0.909 ± 0.143 [−]	0.796 ± 0.145 [−]	0.799 ± 0.153 [3]	0.794 ± 0.149 [4]	0.808 ± 0.147 [−]
ecoli-0-2-3-4-vs-5	0.913 ± 0.079 [3,4,5,6]	0.910 ± 0.079 [3,4,5,6]	0.904 ± 0.079 [−]	0.908 ± 0.080 [−]	0.908 ± 0.080 [−]	0.908 ± 0.080 [−]
shuttle-c0-vs-c4	0.996 ± 0.008 [−]	0.996 ± 0.008 [−]	0.995 ± 0.008 [−]	0.995 ± 0.008 [−]	0.995 ± 0.008 [−]	0.995 ± 0.008 [−]
ecoli-0-6-7-vs-5	0.871 ± 0.097 [−]	0.873 ± 0.100 [−]	0.871 ± 0.103 [−]	0.869 ± 0.101 [−]	0.865 ± 0.100 [−]	0.867 ± 0.106 [−]
yeast-1-2-8-9-vs-7	0.644 ± 0.091 [−]	0.649 ± 0.088 [3]	0.647 ± 0.084 [−]	0.689 ± 0.089 [−]	0.645 ± 0.087 [−]	0.683 ± 0.085 [−]
yeast-0-3-5-9-vs-7-8	0.711 ± 0.056 [−]	0.708 ± 0.053 [1]	0.652 ± 0.065 [−]	0.659 ± 0.063 [1,2,3,5]	0.651 ± 0.062 [−]	0.657 ± 0.059 [1,2,3,5]
yeast-2-vs-4	0.875 ± 0.063 [all]	0.877 ± 0.063 [3,4,5,6]	0.840 ± 0.066 [−]	0.851 ± 0.069 [−]	0.843 ± 0.067 [−]	0.855 ± 0.065 [−]
ecoli-0-4-6-vs-5	0.917 ± 0.082 [3,4,5,6]	0.915 ± 0.082 [3,4,5,6]	0.899 ± 0.081 [−]	0.900 ± 0.085 [−]	0.904 ± 0.083 [−]	0.903 ± 0.084 [−]
ecoli-0-1-3-7-vs-2-6	0.842 ± 0.198 [3,4,5,6]	0.844 ± 0.199 [3,4,5,6]	0.837 ± 0.206 [−]	0.826 ± 0.200 [−]	0.837 ± 0.207 [−]	0.835 ± 0.202 [−]
shuttle-c2-vs-c4	0.995 ± 0.034 [4,6]	0.995 ± 0.034 [all]	0.855 ± 0.218 [4]	0.860 ± 0.218 [−]	0.910 ± 0.178 [4]	0.920 ± 0.176 [4]
ecoli-0-2-6-7-vs-3-5	0.859 ± 0.082 [3,4,5]	0.875 ± 0.077 [3,4,5]	0.830 ± 0.109 [−]	0.840 ± 0.101 [−]	0.836 ± 0.107 [−]	0.836 ± 0.102 [−]
yeast5	0.937 ± 0.052 [6]	0.940 ± 0.046 [3,4,5,6]	0.933 ± 0.060 [−]	0.943 ± 0.053 [3]	0.942 ± 0.051 [−]	0.938 ± 0.046 [−]

Table 1: Results for BAC metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.366 [3,4,5,6]	4.244 [3,5,6]	2.695 [−]	3.500 [3]	2.988 [−]	3.207 [−]

Table 2: Results for mean ranks according to BAC metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.764 ± 0.139	0.755 ± 0.135	0.805 ± 0.137	0.793 ± 0.150	0.811 ± 0.133	0.779 ± 0.143
yeast-1-4-5-8-vs-7	0.148 ± 0.107 [–]	0.168 ± 0.125 [–]	0.143 ± 0.063 [1,2,6]	0.150 ± 0.059 [1,2]	0.134 ± 0.061 [1,2,6]	0.143 ± 0.056 [–]
glass2	0.384 ± 0.182 [–]	0.365 ± 0.166 [–]	0.338 ± 0.104 [5]	0.285 ± 0.067 [5]	0.325 ± 0.096 [–]	0.311 ± 0.086 [–]
glass-0-1-4-6-vs-2	0.366 ± 0.141 [3,4,5,6]	0.355 ± 0.146 [4,5,6]	0.324 ± 0.093 [4,5,6]	0.280 ± 0.080 [–]	0.313 ± 0.098 [4,6]	0.302 ± 0.083 [4]
glass-0-1-6-vs-2	0.347 ± 0.159 [3,4,5,6]	0.329 ± 0.157 [4,5,6]	0.333 ± 0.084 [4,5,6]	0.294 ± 0.072 [–]	0.312 ± 0.074 [4,6]	0.307 ± 0.079 [4]
ecoli-0-1-4-7-vs-2-3-5-6	0.693 ± 0.116 [4,6]	0.692 ± 0.119 [4]	0.798 ± 0.119 [4,5,6]	0.753 ± 0.128 [–]	0.788 ± 0.123 [4]	0.759 ± 0.136 [4]
yeast-0-5-6-7-9-vs-4	0.561 ± 0.078 [–]	0.555 ± 0.081 [–]	0.560 ± 0.088 [1,2,4,6]	0.481 ± 0.060 [1,2]	0.547 ± 0.091 [1,2,4,6]	0.512 ± 0.093 [1,2]
ecoli-0-1-vs-5	0.864 ± 0.100 [4,6]	0.850 ± 0.104 [4,6]	0.862 ± 0.110 [4,6]	0.873 ± 0.103 [–]	0.864 ± 0.111 [4,6]	0.875 ± 0.102 [4]
yeast-2-vs-8	0.548 ± 0.185 [–]	0.519 ± 0.166 [–]	0.661 ± 0.209 [–]	0.645 ± 0.204 [2]	0.665 ± 0.200 [–]	0.662 ± 0.206 [2]
yeast-0-2-5-7-9-vs-3-6-8	0.752 ± 0.052 [2]	0.742 ± 0.052 [–]	0.823 ± 0.053 [1,2]	0.817 ± 0.058 [1,2]	0.823 ± 0.053 [1,2]	0.821 ± 0.055 [1,2]
glass-0-4-vs-5	0.891 ± 0.147 [2]	0.907 ± 0.138 [–]	0.622 ± 0.278 [1,2]	0.650 ± 0.261 [1,2]	0.669 ± 0.276 [1,2]	0.632 ± 0.270 [1,2]
ecoli-0-3-4-7-vs-5-6	0.771 ± 0.105 [3,4,5,6]	0.762 ± 0.108 [3,4,5,6]	0.792 ± 0.119 [–]	0.784 ± 0.124 [–]	0.784 ± 0.121 [–]	0.786 ± 0.127 [–]
ecoli-0-1-4-6-vs-5	0.853 ± 0.114 [–]	0.830 ± 0.113 [–]	0.825 ± 0.107 [2]	0.827 ± 0.113 [–]	0.814 ± 0.108 [–]	0.818 ± 0.109 [–]
ecoli4	0.799 ± 0.143 [2,5,6]	0.789 ± 0.139 [–]	0.867 ± 0.129 [–]	0.843 ± 0.137 [–]	0.867 ± 0.136 [–]	0.822 ± 0.135 [–]
page-blocks-1-3-vs-4	0.703 ± 0.107 [–]	0.711 ± 0.106 [–]	0.511 ± 0.177 [1,2,4,6]	0.624 ± 0.182 [1,2,6]	0.601 ± 0.180 [1,2,4,6]	0.657 ± 0.176 [2]
ecoli-0-3-4-vs-5	0.840 ± 0.154 [3,4,5]	0.820 ± 0.152 [3,4,5]	0.820 ± 0.162 [–]	0.812 ± 0.166 [3]	0.815 ± 0.164 [3]	0.804 ± 0.175 [3,5]
yeast-1-vs-7	0.318 ± 0.144 [2,6]	0.319 ± 0.123 [–]	0.223 ± 0.084 [–]	0.233 ± 0.086 [–]	0.221 ± 0.102 [–]	0.225 ± 0.086 [–]
yeast4	0.385 ± 0.105 [3,4,5,6]	0.375 ± 0.096 [3,4,5,6]	0.379 ± 0.092 [–]	0.346 ± 0.070 [–]	0.385 ± 0.091 [–]	0.350 ± 0.069 [–]
ecoli-0-1-4-7-vs-5-6	0.799 ± 0.115 [2,4,6]	0.789 ± 0.110 [4,6]	0.834 ± 0.107 [4,6]	0.804 ± 0.123 [–]	0.820 ± 0.118 [4,6]	0.808 ± 0.121 [–]
vowel0	0.990 ± 0.021 [–]	0.992 ± 0.015 [–]	0.708 ± 0.107 [2,4,6]	0.873 ± 0.074 [–]	0.790 ± 0.089 [–]	0.838 ± 0.073 [–]
ecoli-0-3-4-6-vs-5	0.851 ± 0.127 [3,4,5,6]	0.828 ± 0.128 [3,4,5,6]	0.781 ± 0.148 [–]	0.775 ± 0.154 [3,5,6]	0.776 ± 0.152 [3]	0.765 ± 0.154 [3,5]
glass-0-1-6-vs-5	0.608 ± 0.253 [all]	0.596 ± 0.256 [3,4,5,6]	0.559 ± 0.241 [–]	0.575 ± 0.244 [–]	0.541 ± 0.237 [–]	0.540 ± 0.241 [–]
yeast-0-2-5-6-vs-3-7-8-9	0.558 ± 0.062 [5,6]	0.539 ± 0.062 [6]	0.624 ± 0.084 [–]	0.600 ± 0.087 [5,6]	0.622 ± 0.090 [–]	0.606 ± 0.086 [–]
yeast6	0.483 ± 0.123 [2]	0.473 ± 0.133 [–]	0.529 ± 0.116 [1,2,4,6]	0.437 ± 0.090 [1,2]	0.503 ± 0.108 [1,2]	0.448 ± 0.098 [1,2]
led7digit-0-2-4-5-6-7-8-9-vs-1	0.671 ± 0.083 [2,4,6]	0.650 ± 0.114 [4]	0.326 ± 0.192 [all]	0.721 ± 0.093 [–]	0.373 ± 0.179 [2,4,6]	0.673 ± 0.133 [–]
glass5	0.534 ± 0.318 [3,5]	0.536 ± 0.314 [3,5]	0.462 ± 0.233 [–]	0.468 ± 0.208 [all]	0.463 ± 0.226 [–]	0.463 ± 0.233 [3,5]
glass-0-6-vs-5	0.785 ± 0.266 [3,4,5,6]	0.781 ± 0.264 [3,4,5,6]	0.649 ± 0.329 [–]	0.693 ± 0.269 [–]	0.607 ± 0.341 [–]	0.646 ± 0.302 [–]
glass-0-1-5-vs-2	0.364 ± 0.168 [3,4,5,6]	0.343 ± 0.156 [3,4,5,6]	0.324 ± 0.105 [–]	0.279 ± 0.080 [5]	0.316 ± 0.094 [–]	0.305 ± 0.088 [–]
ecoli-0-6-7-vs-3-5	0.706 ± 0.154 [3,4,5,6]	0.714 ± 0.148 [4]	0.725 ± 0.182 [–]	0.699 ± 0.179 [–]	0.728 ± 0.181 [4,6]	0.708 ± 0.174 [4]
glass4	0.708 ± 0.250 [–]	0.705 ± 0.243 [–]	0.544 ± 0.240 [4]	0.533 ± 0.244 [–]	0.536 ± 0.241 [4,6]	0.560 ± 0.235 [–]
ecoli-0-2-3-4-vs-5	0.824 ± 0.123 [3,4,5,6]	0.809 ± 0.127 [3,4,5,6]	0.823 ± 0.132 [–]	0.822 ± 0.138 [–]	0.817 ± 0.134 [–]	0.820 ± 0.133 [–]
shuttle-c0-vs-c4	0.996 ± 0.008 [–]	0.996 ± 0.008 [–]	0.995 ± 0.008 [–]	0.995 ± 0.008 [–]	0.995 ± 0.008 [–]	0.995 ± 0.008 [–]
ecoli-0-6-7-vs-5	0.728 ± 0.156 [–]	0.714 ± 0.157 [–]	0.781 ± 0.172 [–]	0.756 ± 0.168 [–]	0.770 ± 0.167 [–]	0.744 ± 0.179 [–]
yeast-1-2-8-9-vs-7	0.248 ± 0.134 [–]	0.246 ± 0.123 [–]	0.159 ± 0.063 [1,2,4,6]	0.167 ± 0.056 [2]	0.162 ± 0.077 [1,2]	0.173 ± 0.057 [–]
yeast-0-3-5-9-vs-7-8	0.409 ± 0.076 [all]	0.394 ± 0.067 [3,4,5,6]	0.395 ± 0.121 [–]	0.388 ± 0.110 [–]	0.402 ± 0.129 [–]	0.406 ± 0.119 [4]
yeast-2-vs-4	0.752 ± 0.091 [2]	0.749 ± 0.096 [–]	0.759 ± 0.097 [–]	0.749 ± 0.098 [–]	0.760 ± 0.099 [–]	0.755 ± 0.098 [–]
ecoli-0-4-6-vs-5	0.856 ± 0.141 [–]	0.839 ± 0.141 [–]	0.790 ± 0.138 [–]	0.792 ± 0.144 [–]	0.790 ± 0.144 [–]	0.790 ± 0.147 [–]
ecoli-0-1-3-7-vs-2-6	0.568 ± 0.343 [3,4,5,6]	0.611 ± 0.357 [3,4,5,6]	0.592 ± 0.361 [–]	0.429 ± 0.277 [–]	0.596 ± 0.358 [–]	0.532 ± 0.325 [–]
shuttle-c2-vs-c4	0.993 ± 0.046 [4]	0.993 ± 0.046 [1,4,6]	0.720 ± 0.433 [4]	0.727 ± 0.435 [–]	0.833 ± 0.348 [4]	0.847 ± 0.347 [4]
ecoli-0-2-6-7-vs-3-5	0.723 ± 0.126 [3,4,5]	0.730 ± 0.117 [3,4,5]	0.721 ± 0.188 [–]	0.697 ± 0.179 [–]	0.722 ± 0.187 [–]	0.694 ± 0.195 [–]
yeast5	0.706 ± 0.084 [4,6]	0.701 ± 0.075 [4,6]	0.706 ± 0.097 [4,6]	0.670 ± 0.080 [–]	0.697 ± 0.079 [4]	0.683 ± 0.083 [–]

Table 3: Results for F1 metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.488 [2,4,6]	3.707 [4]	3.671 [4,6]	2.744 [–]	3.476 [–]	2.915 [–]

Table 4: Results for mean ranks according to F1 metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.726 ± 0.165 [–]	0.711 ± 0.155 [–]	0.970 ± 0.084 [1,2,5,6]	0.952 ± 0.098 [1,2,5,6]	0.901 ± 0.127 [1,2]	0.876 ± 0.146 [1,2]
yeast-1-4-5-8-vs-7	0.090 ± 0.082 [–]	0.092 ± 0.076 [–]	0.089 ± 0.075 [–]	0.096 ± 0.062 [–]	0.094 ± 0.043 [–]	0.096 ± 0.041 [–]
glass2	0.291 ± 0.140 [3,4,5,6]	0.285 ± 0.131 [3,4,5,6]	0.251 ± 0.105 [4,5,6]	0.203 ± 0.074 [–]	0.224 ± 0.085 [4]	0.215 ± 0.076 [–]
glass-0-1-4-6-vs-2	0.261 ± 0.124 [3,4,5,6]	0.250 ± 0.136 [4,5,6]	0.226 ± 0.102 [4,5]	0.209 ± 0.078 [–]	0.210 ± 0.074 [–]	0.212 ± 0.083 [–]
glass-0-1-6-vs-2	0.243 ± 0.141 [2,4,5]	0.208 ± 0.121 [–]	0.240 ± 0.113 [4,5,6]	0.217 ± 0.076 [–]	0.211 ± 0.068 [–]	0.219 ± 0.067 [5]
ecoli-0-1-4-7-vs-2-3-5-6	0.672 ± 0.148 [2]	0.648 ± 0.149 [–]	0.947 ± 0.106 [all]	0.888 ± 0.121 [1,2,6]	0.849 ± 0.131 [1,2,6]	0.812 ± 0.158 [1,2]
yeast-0-5-6-7-9-vs-4	0.480 ± 0.096 [2]	0.463 ± 0.085 [–]	0.564 ± 0.123 [all]	0.462 ± 0.106 [–]	0.493 ± 0.102 [1,2,6]	0.443 ± 0.103 [1,2]
ecoli-0-1-vs-5	0.868 ± 0.135 [2,6]	0.831 ± 0.144 [–]	0.966 ± 0.085 [all]	0.957 ± 0.092 [–]	0.926 ± 0.116 [4,6]	0.921 ± 0.120 [–]
yeast-2-vs-8	0.485 ± 0.207 [2]	0.440 ± 0.173 [–]	0.908 ± 0.200 [1,2,5,6]	0.908 ± 0.200 [1,2]	0.834 ± 0.227 [1,2]	0.764 ± 0.247 [1,2]
yeast-0-2-5-7-9-vs-3-6-8	0.671 ± 0.069 [2]	0.656 ± 0.073 [–]	0.837 ± 0.067 [1,2,5,6]	0.836 ± 0.069 [1,2,5,6]	0.776 ± 0.083 [1,2,6]	0.772 ± 0.082 [1,2]
glass-0-4-vs-5	0.828 ± 0.235 [2]	0.815 ± 0.243 [–]	0.768 ± 0.335 [1,2,5,6]	0.706 ± 0.358 [1,2,5,6]	0.801 ± 0.259 [1,2]	0.793 ± 0.261 [1,2]
ecoli-0-3-4-7-vs-5-6	0.730 ± 0.150 [4]	0.716 ± 0.160 [4]	0.859 ± 0.131 [–]	0.788 ± 0.133 [–]	0.829 ± 0.118 [–]	0.817 ± 0.112 [–]
ecoli-0-1-4-6-vs-5	0.825 ± 0.148 [–]	0.797 ± 0.148 [–]	0.921 ± 0.125 [1,2,4]	0.900 ± 0.138 [1,2]	0.877 ± 0.134 [1,2,4]	0.877 ± 0.134 [1,2]
ecoli4	0.754 ± 0.193 [–]	0.729 ± 0.190 [–]	0.922 ± 0.118 [1,2,6]	0.866 ± 0.153 [1,2]	0.832 ± 0.162 [1,2]	0.803 ± 0.176 [1,2]
page-blocks-1-3-vs-4	0.567 ± 0.139 [–]	0.589 ± 0.143 [–]	0.658 ± 0.204 [all]	0.657 ± 0.210 [1,2,5,6]	0.634 ± 0.175 [1,2,6]	0.727 ± 0.195 [1,2]
ecoli-0-3-4-vs-5	0.826 ± 0.183 [–]	0.807 ± 0.182 [1]	0.858 ± 0.168 [1,2]	0.859 ± 0.174 [1,2]	0.833 ± 0.183 [1,2]	0.831 ± 0.185 [all]
yeast-1-vs-7	0.249 ± 0.140 [–]	0.230 ± 0.120 [–]	0.228 ± 0.128 [–]	0.169 ± 0.086 [2]	0.190 ± 0.109 [–]	0.172 ± 0.071 [–]
yeast4	0.342 ± 0.115 [2,4,5,6]	0.315 ± 0.096 [4,5,6]	0.399 ± 0.122 [4,5,6]	0.311 ± 0.087 [–]	0.351 ± 0.097 [–]	0.291 ± 0.078 [–]
ecoli-0-1-4-7-vs-5-6	0.749 ± 0.175 [2,4,6]	0.713 ± 0.162 [6]	0.906 ± 0.122 [all]	0.821 ± 0.131 [–]	0.876 ± 0.143 [2,4,6]	0.840 ± 0.151 [–]
vowel0	0.967 ± 0.050 [2]	0.982 ± 0.032 [–]	0.888 ± 0.094 [1,2,4,6]	0.894 ± 0.085 [1,2]	0.906 ± 0.074 [1,2,4,6]	0.933 ± 0.064 [1,2]
ecoli-0-3-4-6-vs-5	0.787 ± 0.171 [3,4,5,6]	0.766 ± 0.163 [3,4,5,6]	0.773 ± 0.177 [–]	0.776 ± 0.186 [–]	0.753 ± 0.180 [3]	0.750 ± 0.184 [3,4,5]
glass-0-1-6-vs-5	0.514 ± 0.277 [–]	0.494 ± 0.275 [–]	0.449 ± 0.290 [–]	0.448 ± 0.280 [–]	0.477 ± 0.232 [–]	0.475 ± 0.233 [–]
yeast-0-2-5-6-vs-3-7-8-9	0.488 ± 0.061 [–]	0.459 ± 0.056 [–]	0.737 ± 0.102 [1,2]	0.746 ± 0.107 [1,2]	0.640 ± 0.091 [1,2]	0.656 ± 0.099 [1,2]
yeast6	0.392 ± 0.105 [2]	0.379 ± 0.104 [–]	0.475 ± 0.123 [1,2,5,6]	0.393 ± 0.088 [1,2,5,6]	0.416 ± 0.110 [1,2]	0.363 ± 0.111 [1,2,5]
led7digit-0-2-4-5-6-7-8-9-vs-1	0.564 ± 0.090 [2,6]	0.533 ± 0.131 [–]	0.511 ± 0.406 [all]	0.705 ± 0.136 [6]	0.498 ± 0.239 [2,6]	0.583 ± 0.160 [–]
glass5	0.464 ± 0.311 [5]	0.465 ± 0.322 [–]	0.466 ± 0.318 [–]	0.430 ± 0.326 [all]	0.386 ± 0.208 [–]	0.404 ± 0.222 [2,5]
glass-0-6-vs-5	0.815 ± 0.237 [5,6]	0.795 ± 0.262 [5,6]	0.740 ± 0.402 [4,5]	0.770 ± 0.358 [–]	0.792 ± 0.275 [–]	0.795 ± 0.272 [–]
glass-0-1-5-vs-2	0.250 ± 0.122 [–]	0.235 ± 0.119 [–]	0.240 ± 0.099 [–]	0.213 ± 0.072 [–]	0.220 ± 0.070 [–]	0.221 ± 0.069 [–]
ecoli-0-6-7-vs-3-5	0.761 ± 0.212 [2,4,5,6]	0.733 ± 0.200 [–]	0.822 ± 0.201 [4]	0.777 ± 0.198 [–]	0.783 ± 0.213 [–]	0.746 ± 0.209 [–]
glass4	0.571 ± 0.260 [–]	0.587 ± 0.263 [–]	0.533 ± 0.290 [2,5,6]	0.505 ± 0.287 [–]	0.517 ± 0.264 [–]	0.527 ± 0.269 [–]
ecoli-0-2-3-4-vs-5	0.805 ± 0.188 [3,4,5,6]	0.782 ± 0.192 [4,5]	0.867 ± 0.178 [4]	0.848 ± 0.178 [–]	0.825 ± 0.176 [–]	0.804 ± 0.170 [–]
shuttle-c0-vs-c4	1.000 ± 0.000 [–]	1.000 ± 0.000 [–]	1.000 ± 0.000 [1,2,5,6]	1.000 ± 0.000 [1,2,6]	1.000 ± 0.000 [–]	1.000 ± 0.000 [–]
ecoli-0-6-7-vs-5	0.693 ± 0.204 [–]	0.637 ± 0.196 [–]	0.852 ± 0.181 [–]	0.834 ± 0.181 [–]	0.774 ± 0.201 [–]	0.749 ± 0.201 [–]
yeast-1-2-8-9-vs-7	0.191 ± 0.122 [2]	0.195 ± 0.112 [–]	0.138 ± 0.128 [1,2,5,6]	0.098 ± 0.061 [1,2,5,6]	0.132 ± 0.098 [1,2,6]	0.129 ± 0.049 [2]
yeast-0-3-5-9-vs-7-8	0.342 ± 0.086 [3,4,5,6]	0.316 ± 0.084 [3,4,5,6]	0.592 ± 0.213 [4]	0.567 ± 0.199 [–]	0.449 ± 0.143 [4]	0.417 ± 0.144 [4]
yeast-2-vs-4	0.769 ± 0.113 [2]	0.746 ± 0.114 [–]	0.877 ± 0.098 [1,2,5,6]	0.863 ± 0.118 [1,2,5,6]	0.842 ± 0.106 [1,2,6]	0.816 ± 0.124 [1,2]
ecoli-0-4-6-vs-5	0.868 ± 0.169 [2]	0.804 ± 0.172 [–]	0.803 ± 0.171 [1,2,5,6]	0.818 ± 0.171 [1,2,6]	0.781 ± 0.181 [1,2,6]	0.790 ± 0.187 [1,2]
ecoli-0-1-3-7-vs-2-6	0.534 ± 0.383 [2,3,5,6]	0.573 ± 0.392 [–]	0.770 ± 0.402 [–]	0.713 ± 0.401 [5,6]	0.614 ± 0.401 [–]	0.520 ± 0.377 [–]
shuttle-c2-vs-c4	1.000 ± 0.000 [1,2,5,6]	1.000 ± 0.000 [1,2,6]	0.500 ± 0.500 [–]	0.520 ± 0.499 [–]	0.920 ± 0.271 [–]	0.920 ± 0.271 [–]
ecoli-0-2-6-7-vs-3-5	0.760 ± 0.202 [3,4]	0.749 ± 0.199 [3,4]	0.815 ± 0.183 [–]	0.789 ± 0.182 [–]	0.753 ± 0.194 [3,4]	0.719 ± 0.198 [3,4]
yeast5	0.591 ± 0.094 [–]	0.581 ± 0.093 [–]	0.628 ± 0.096 [2,5,6; all]	0.587 ± 0.093 [5,6]	0.580 ± 0.090 [–]	0.578 ± 0.100 [–]

Table 5: Results for Precision metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	3.683 [2,6]	2.768 [–]	4.659 [all]	3.610 [6]	3.402 [–]	2.878 [–]

Table 6: Results for mean ranks according to Precision metric

3

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.792 ± 0.184	0.787 ± 0.186	0.703 ± 0.184	0.715 ± 0.179	0.724 ± 0.180	0.719 ± 0.176
yeast-1-4-5-8-vs-7	[3,4,5,6] 0.160 ± 0.156	[3,4,5,6] 0.183 ± 0.160	0.203 ± 0.167	0.297 ± 0.180	0.333 ± 0.173	0.403 ± 0.170
glass2	0.533 ± 0.260	0.547 ± 0.236	0.642 ± 0.261	[1,2,3] 0.720 ± 0.249	[1,2,3] 0.755 ± 0.231	[all] 0.735 ± 0.241
glass-0-1-4-6-vs-2	0.538 ± 0.259	0.520 ± 0.281	[1,2] 0.573 ± 0.276	[1,2,3] 0.697 ± 0.217	[1,2,3] 0.732 ± 0.242	[1,2,3] 0.705 ± 0.240
glass-0-1-6-vs-2	0.517 ± 0.254	0.457 ± 0.252	0.623 ± 0.274	[1,2,3] 0.745 ± 0.234	[1,2,3] 0.762 ± 0.211	[1,2,3] 0.772 ± 0.226
ecoli-0-1-4-7-vs-2-3-5-6	[2] 0.744 ± 0.158	0.758 ± 0.159	[1,2] 0.715 ± 0.167	[1,2,3] 0.722 ± 0.168	[1,2,3] 0.730 ± 0.167	[1,2,3] 0.734 ± 0.161
yeast-0-5-6-7-9-vs-4	0.667 ± 0.136	[3,4] 0.681 ± 0.129	0.579 ± 0.127	0.634 ± 0.141	0.669 ± 0.113	0.710 ± 0.118
ecoli-0-1-vs-5	[3] 0.850 ± 0.150	[3] 0.850 ± 0.150	0.815 ± 0.156	[3] 0.825 ± 0.160	[3,4] 0.835 ± 0.155	[all] 0.845 ± 0.149
yeast-2-vs-8	0.580 ± 0.220	0.610 ± 0.218	0.550 ± 0.229	0.550 ± 0.229	0.550 ± 0.229	0.555 ± 0.225
yeast-0-2-5-7-9-vs-3-6-8	0.839 ± 0.078	[3,4,5,6] 0.840 ± 0.080	0.813 ± 0.083	0.806 ± 0.083	0.830 ± 0.083	0.826 ± 0.082
glass-0-4-vs-5	[3,4,6] 0.940 ± 0.190	[3,4,6] 0.950 ± 0.180	0.700 ± 0.331	0.720 ± 0.362	[3,4] 0.960 ± 0.135	[3,4] 0.930 ± 0.173
ecoli-0-3-4-7-vs-5-6	[3,4] 0.824 ± 0.158	[3,4] 0.828 ± 0.160	0.764 ± 0.163	0.812 ± 0.146	[3,4] 0.816 ± 0.154	[3,4] 0.828 ± 0.154
ecoli-0-1-4-6-vs-5	[3] 0.845 ± 0.149	[3] 0.845 ± 0.157	0.805 ± 0.175	[3] 0.805 ± 0.175	[3] 0.830 ± 0.153	[3] 0.830 ± 0.153
ecoli4	0.860 ± 0.194	0.860 ± 0.194	0.855 ± 0.180	0.860 ± 0.194	0.880 ± 0.174	0.880 ± 0.174
page-blocks-1-3-vs-4	0.869 ± 0.182	0.847 ± 0.191	0.562 ± 0.211	0.638 ± 0.228	0.703 ± 0.173	0.696 ± 0.180
ecoli-0-3-4-vs-5	[3,4,5,6] 0.850 ± 0.200	[3,4,5,6] 0.850 ± 0.200	0.840 ± 0.204	[3] 0.835 ± 0.197	[3,4] 0.850 ± 0.200	[3,4] 0.840 ± 0.204
yeast-1-vs-7	0.340 ± 0.194	0.353 ± 0.196	0.323 ± 0.180	0.443 ± 0.201	0.387 ± 0.217	0.463 ± 0.211
yeast4	0.468 ± 0.154	0.474 ± 0.162	0.459 ± 0.119	[1,2,3,5] 0.513 ± 0.153	[3] 0.515 ± 0.139	[1,2,3,5] 0.593 ± 0.132
ecoli-0-1-4-7-vs-5-6	0.816 ± 0.173	0.820 ± 0.156	0.784 ± 0.164	[1,2,3] 0.800 ± 0.154	[1,3] 0.812 ± 0.151	[all] 0.812 ± 0.157
vowel0	0.983 ± 0.053	0.983 ± 0.053	0.681 ± 0.119	0.839 ± 0.123	0.907 ± 0.118	0.911 ± 0.109
ecoli-0-3-4-6-vs-5	[3,4,5,6] 0.845 ± 0.179	[3,4,5,6] 0.845 ± 0.179	0.815 ± 0.164	[3] 0.810 ± 0.177	[3,4] 0.835 ± 0.177	[3,4] 0.830 ± 0.176
glass-0-1-6-vs-5	0.780 ± 0.318	0.750 ± 0.335	0.630 ± 0.357	0.630 ± 0.357	0.850 ± 0.287	0.850 ± 0.287
yeast-0-2-5-6-vs-3-7-8-9	[3,4] 0.657 ± 0.084	0.664 ± 0.085	0.540 ± 0.103	0.522 ± 0.110	[2,3,4] 0.616 ± 0.095	[2,3,4] 0.600 ± 0.097
yeast6	[3,4,5,6] 0.669 ± 0.177	[3,4,5,6] 0.663 ± 0.168	[4] 0.660 ± 0.166	0.697 ± 0.170	[3,4,6] 0.694 ± 0.173	[3,4] 0.720 ± 0.161
led7digit-0-2-4-5-6-7-8-9-vs-1	0.861 ± 0.135	0.775 ± 0.249	0.185 ± 0.182	[3] 0.718 ± 0.215	[3] 0.347 ± 0.171	[1,2,3] 0.719 ± 0.290
glass5	[all] 0.680 ± 0.396	[3,4,5] 0.680 ± 0.409	0.690 ± 0.372	[3,5] 0.620 ± 0.381	[3] 0.800 ± 0.346	[3,5] 0.800 ± 0.346
glass-0-6-vs-5	0.930 ± 0.173	0.920 ± 0.208	0.550 ± 0.350	0.600 ± 0.331	[1,2,3,4] 0.830 ± 0.257	[1,2,3,4] 0.840 ± 0.253
glass-0-1-5-vs-2	[3,4,5] 0.497 ± 0.267	[3,4] 0.483 ± 0.262	0.628 ± 0.278	0.725 ± 0.247	[3,4] 0.783 ± 0.226	[3,4] 0.760 ± 0.239
ecoli-0-6-7-vs-3-5	0.760 ± 0.196	0.770 ± 0.189	[1,2] 0.672 ± 0.201	[1,2,3] 0.694 ± 0.188	[1,2,3] 0.685 ± 0.206	[1,2,3] 0.704 ± 0.191
glass4	[3,4,5,6] 0.857 ± 0.278	[3,4,5,6] 0.857 ± 0.278	0.600 ± 0.288	0.590 ± 0.283	0.740 ± 0.318	0.760 ± 0.316
ecoli-0-2-3-4-vs-5	[3,4,5,6] 0.850 ± 0.158	[3,4,5,6] 0.850 ± 0.158	0.835 ± 0.155	0.830 ± 0.161	[3,4] 0.840 ± 0.156	[3,4] 0.845 ± 0.157
shuttle-c0-vs-c4	0.992 ± 0.016	0.992 ± 0.016	0.991 ± 0.016	0.991 ± 0.016	0.992 ± 0.016	0.992 ± 0.016
ecoli-0-6-7-vs-5	0.795 ± 0.204	0.785 ± 0.206	0.745 ± 0.190	0.755 ± 0.190	0.765 ± 0.202	0.765 ± 0.202
yeast-1-2-8-9-vs-7	[3] 0.287 ± 0.170	0.313 ± 0.175	0.190 ± 0.149	0.320 ± 0.188	0.373 ± 0.195	0.457 ± 0.166
yeast-0-3-5-9-vs-7-8	[3] 0.530 ± 0.125	[3] 0.522 ± 0.140	0.284 ± 0.108	[3] 0.314 ± 0.107	[1,2,3] 0.372 ± 0.124	[all] 0.400 ± 0.132
yeast-2-vs-4	[3,4,5,6] 0.774 ± 0.123	[3,4,5,6] 0.778 ± 0.125	0.682 ± 0.126	[3] 0.701 ± 0.132	[3,4] 0.719 ± 0.127	[3,4] 0.732 ± 0.132
ecoli-0-4-6-vs-5	[3,4,5,6] 0.850 ± 0.158	[3,4,5,6] 0.850 ± 0.158	0.840 ± 0.156	[3] 0.840 ± 0.156	[3] 0.845 ± 0.157	[3,4] 0.845 ± 0.157
ecoli-0-1-3-7-vs-2-6	0.700 ± 0.400	0.700 ± 0.400	0.700 ± 0.400	0.700 ± 0.400	0.700 ± 0.400	0.700 ± 0.400
shuttle-c2-vs-c4	0.990 ± 0.069	0.990 ± 0.069	0.430 ± 0.458	0.450 ± 0.460	0.900 ± 0.282	0.900 ± 0.282
ecoli-0-2-6-7-vs-3-5	[3,4] 0.754 ± 0.193	[3,4] 0.764 ± 0.177	0.681 ± 0.198	0.718 ± 0.176	[3,4] 0.686 ± 0.201	[3,4] 0.714 ± 0.189
yeast5	[3,5] 0.878 ± 0.104 [3,4]	[3,5,6] 0.877 ± 0.095 [3,4]	0.828 ± 0.129 [−]	0.839 ± 0.123 [−]	0.896 ± 0.103 [3,4]	0.880 ± 0.106 [3,4]

Table 7: Results for Recall metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.256 [3,4]	4.390 [3,4]	1.610 [−]	2.427 [3]	4.000 [3,4]	4.317 [3,4]

Table 8: Results for mean ranks according to Recall metric

Table 9 — Results for AUC metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.881 ± 0.093	0.880 ± 0.091	0.857 ± 0.090	0.857 ± 0.094	0.861 ± 0.089	0.856 ± 0.089
yeast-1-4-5-8-vs-7	0.567 ± 0.075	0.585 ± 0.090	0.609 ± 0.093	0.637 ± 0.102	[6] 0.602 ± 0.098	0.622 ± 0.099
glass2	0.723 ± 0.136	0.711 ± 0.132	[1,5] 0.759 ± 0.107	[1,2,5] 0.736 ± 0.092	[1] 0.755 ± 0.103	[1,2] 0.748 ± 0.102
glass-0-1-4-6-vs-2	0.712 ± 0.109	0.701 ± 0.113	[all] 0.746 ± 0.105	0.719 ± 0.100	[2,4,6] 0.744 ± 0.110	[2,4] 0.737 ± 0.099
glass-0-1-6-vs-2	0.684 ± 0.121	0.674 ± 0.125	[4,5,6] 0.753 ± 0.092	0.728 ± 0.093	[4,6] 0.742 ± 0.090	[4] 0.740 ± 0.094
ecoli-0-1-4-7-vs-2-3-5-6	0.854 ± 0.080	0.857 ± 0.082	[all] 0.861 ± 0.081	[1,2] 0.857 ± 0.080	[1,2,4,6] 0.858 ± 0.081	[1,2,4] 0.858 ± 0.081
yeast-0-5-6-7-9-vs-4	0.805 ± 0.058	0.807 ± 0.059	[1,2,4,6] 0.791 ± 0.053	0.803 ± 0.049	[1,2,4,6] 0.787 ± 0.051	[1] 0.800 ± 0.059
ecoli-0-1-vs-5	[3,5] 0.920 ± 0.074	[3,5] 0.918 ± 0.074	0.898 ± 0.082	[3,5] 0.910 ± 0.075	0.900 ± 0.080	0.912 ± 0.072
yeast-2-vs-8	0.785 ± 0.115	[6] 0.784 ± 0.109	0.773 ± 0.116	0.772 ± 0.115	0.776 ± 0.111	0.778 ± 0.112
yeast-0-2-5-7-9-vs-3-6-8	[2,5,6] 0.900 ± 0.040	[6] 0.897 ± 0.039	0.898 ± 0.038	0.895 ± 0.041	0.901 ± 0.037	0.898 ± 0.038
glass-0-4-vs-5	[2] 0.971 ± 0.064	0.982 ± 0.045	0.827 ± 0.161	0.854 ± 0.152	0.856 ± 0.159	0.830 ± 0.159
ecoli-0-3-4-7-vs-5-6	[3,4,5,6] 0.900 ± 0.072	[3,4,5,6] 0.900 ± 0.072	0.877 ± 0.078	0.902 ± 0.078	0.877 ± 0.078	0.887 ± 0.080
ecoli-0-1-4-6-vs-5	0.920 ± 0.075	0.917 ± 0.075	0.906 ± 0.078	0.906 ± 0.079	0.903 ± 0.077	0.905 ± 0.078
ecoli4	[2,5,6] 0.916 ± 0.097	0.915 ± 0.096	0.931 ± 0.084	0.931 ± 0.084	0.937 ± 0.081	0.929 ± 0.086
page-blocks-1-3-vs-4	0.931 ± 0.067	0.932 ± 0.068	[1,2,4,6] 0.749 ± 0.100	[1,2,6] 0.820 ± 0.110	[1,2,4,6] 0.786 ± 0.111	[2] 0.800 ± 0.109
ecoli-0-3-4-vs-5	[3,4,5,6] 0.916 ± 0.099	[3,4,5,6] 0.913 ± 0.098	0.911 ± 0.104	[3] 0.908 ± 0.105	0.911 ± 0.104	[3,5] 0.905 ± 0.110
yeast-1-vs-7	[2,6] 0.665 ± 0.102	0.674 ± 0.097	0.642 ± 0.100	0.674 ± 0.110	0.622 ± 0.100	0.652 ± 0.102
yeast4	[3,5] 0.726 ± 0.075	[3,5,6] 0.727 ± 0.072	0.755 ± 0.068	[3,5] 0.794 ± 0.075	0.753 ± 0.070	[5] 0.791 ± 0.068
ecoli-0-1-4-7-vs-5-6	0.907 ± 0.072	[1] 0.908 ± 0.070	[1,2] 0.897 ± 0.076	[1,2,3,5] 0.903 ± 0.075	[2] 0.889 ± 0.083	[1,2,3,5] 0.898 ± 0.076
vowel0	0.999 ± 0.002	0.999 ± 0.001	0.807 ± 0.066	0.928 ± 0.053	0.867 ± 0.061	[3] 0.884 ± 0.052
ecoli-0-3-4-6-vs-5	[3,4,5,6] 0.917 ± 0.086	[3,4,5,6] 0.914 ± 0.086	0.899 ± 0.089	[3,5,6] 0.894 ± 0.092	[3] 0.898 ± 0.090	[3,5] 0.890 ± 0.091
glass-0-1-6-vs-5	[all] 0.883 ± 0.148	[3,4,5,6] 0.873 ± 0.150	0.854 ± 0.152	0.860 ± 0.153	0.847 ± 0.153	0.847 ± 0.154
yeast-0-2-5-6-vs-3-7-8-9	[3,5,6] 0.797 ± 0.045	[5,6] 0.793 ± 0.045	0.767 ± 0.051	[5,6] 0.767 ± 0.051	0.773 ± 0.056	0.754 ± 0.053
yeast6	[all] 0.821 ± 0.092	[3,4,5,6] 0.818 ± 0.097	[6] 0.844 ± 0.082	[6] 0.860 ± 0.079	[4,6] 0.847 ± 0.081	0.863 ± 0.074
led7digit-0-2-4-5-6-7-8-9-vs-1	[2] 0.901 ± 0.059	0.872 ± 0.087	[1,2] 0.617 ± 0.085	[1,2] 0.883 ± 0.071	[1,2,3] 0.644 ± 0.087	[1,2] 0.873 ± 0.101
glass5	[3,5] 0.819 ± 0.198	[3,5] 0.824 ± 0.198	0.839 ± 0.180	[3,5] 0.852 ± 0.167	0.847 ± 0.174	[3,5] 0.842 ± 0.175
glass-0-6-vs-5	0.920 ± 0.139	0.920 ± 0.139	0.809 ± 0.182	0.838 ± 0.156	0.796 ± 0.186	0.816 ± 0.170
glass-0-1-5-vs-2	[3,4,5,6] 0.697 ± 0.142	[3,4,5,6] 0.682 ± 0.133	0.724 ± 0.124	[5] 0.687 ± 0.115	0.723 ± 0.108	0.715 ± 0.106
ecoli-0-6-7-vs-3-5	0.849 ± 0.095	0.864 ± 0.094	[2,4,5,6] 0.829 ± 0.107	0.830 ± 0.105	[2,4,6] 0.831 ± 0.106	[4] 0.833 ± 0.100
glass4	0.909 ± 0.143	0.909 ± 0.143	0.796 ± 0.145	[3] 0.799 ± 0.153	[4] 0.794 ± 0.149	0.808 ± 0.147
ecoli-0-2-3-4-vs-5	[3,4,5,6] 0.913 ± 0.079	[3,4,5,6] 0.910 ± 0.079	0.904 ± 0.079	0.908 ± 0.080	0.908 ± 0.080	0.908 ± 0.080
shuttle-c0-vs-c4	0.996 ± 0.008	0.996 ± 0.008	0.995 ± 0.008	0.995 ± 0.008	0.995 ± 0.008	0.995 ± 0.008
ecoli-0-6-7-vs-5	0.871 ± 0.097	0.873 ± 0.100	0.871 ± 0.103	0.869 ± 0.101	0.865 ± 0.100	0.867 ± 0.106
yeast-1-2-8-9-vs-7	0.644 ± 0.091	[3] 0.649 ± 0.088	0.647 ± 0.084	0.689 ± 0.089	0.645 ± 0.087	0.683 ± 0.085
yeast-0-3-5-9-vs-7-8	0.711 ± 0.056	[1] 0.708 ± 0.053	0.652 ± 0.065	[1,2,3,5] 0.659 ± 0.063	0.651 ± 0.062	[1,2,3,5] 0.657 ± 0.059
yeast-2-vs-4	[all] 0.875 ± 0.063	[3,4,5,6] 0.877 ± 0.063	0.840 ± 0.066	0.851 ± 0.069	0.843 ± 0.067	0.855 ± 0.065
ecoli-0-4-6-vs-5	[3,4,5,6] 0.917 ± 0.082	[3,4,5,6] 0.915 ± 0.082	0.899 ± 0.081	0.900 ± 0.085	0.904 ± 0.083	0.903 ± 0.084
ecoli-0-1-3-7-vs-2-6	[3,4,5,6] 0.842 ± 0.198	[3,4,5,6] 0.844 ± 0.199	0.837 ± 0.206	0.826 ± 0.200	0.837 ± 0.207	0.835 ± 0.202
shuttle-c2-vs-c4	[4,6] 0.995 ± 0.034	[all] 0.995 ± 0.034	0.855 ± 0.218	0.860 ± 0.218	[4] 0.910 ± 0.178	[4] 0.920 ± 0.176
ecoli-0-2-6-7-vs-3-5	[3,4,5] 0.859 ± 0.082	[3,4,5] 0.875 ± 0.077	0.830 ± 0.109	0.840 ± 0.101	0.836 ± 0.107	0.836 ± 0.102
yeast5	[6] 0.937 ± 0.052	[3,4,5,6] 0.940 ± 0.046	0.933 ± 0.060	[3] 0.943 ± 0.053	[6] 0.942 ± 0.051	0.938 ± 0.046

Table 9: Results for AUC metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.366	4.244	2.695	3.500	2.988	3.207
	[3,4,5,6]	[3,5,6]	−	[3]	−	−

Table 10: Results for mean ranks according to AUC metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.869 ± 0.111	0.868 ± 0.108	0.839 ± 0.110	0.839 ± 0.113	0.844 ± 0.108	0.840 ± 0.108
yeast-1-4-5-8-vs-7	0.376 ± 0.212	0.419 ± 0.228	0.559 ± 0.159	0.603 ± 0.162	[6] 0.543 ± 0.180	0.588 ± 0.147
glass2	0.668 ± 0.222	0.655 ± 0.216	[1,2,5] 0.752 ± 0.109	[1,2,5] 0.726 ± 0.089	[1,2] 0.747 ± 0.105	[1,2] 0.740 ± 0.103
glass-0-1-4-6-vs-2	0.666 ± 0.183	0.653 ± 0.184	[all] 0.736 ± 0.111	[2] 0.706 ± 0.099	[1,2,4,6] 0.727 ± 0.143	[1,2,4] 0.726 ± 0.100
glass-0-1-6-vs-2	0.634 ± 0.187	0.609 ± 0.221	[2,4,5,6] 0.743 ± 0.095	0.712 ± 0.091	[2,4,6] 0.730 ± 0.091	[2,4] 0.727 ± 0.094
ecoli-0-1-4-7-vs-2-3-5-6	[2] 0.841 ± 0.096	0.844 ± 0.098	[all] 0.845 ± 0.099	[1,2] 0.842 ± 0.098	[1,2,4] 0.842 ± 0.099	[1,2,4] 0.843 ± 0.097
yeast-0-5-6-7-9-vs-4	0.793 ± 0.069	[5] 0.796 ± 0.071	[1,2,4,6] 0.776 ± 0.066	[1] 0.798 ± 0.055	[1,4] 0.774 ± 0.061	[1,5] 0.791 ± 0.068
ecoli-0-1-vs-5	[3,5] 0.913 ± 0.083	[3,5] 0.912 ± 0.083	0.888 ± 0.094	[3,5] 0.902 ± 0.085	0.891 ± 0.091	[5] 0.905 ± 0.081
yeast-2-vs-8	0.740 ± 0.178	[6] 0.747 ± 0.147	0.718 ± 0.181	0.717 ± 0.180	0.728 ± 0.154	0.731 ± 0.155
yeast-0-2-5-7-9-vs-3-6-8	[3,5,6] 0.897 ± 0.044	[1,6] 0.894 ± 0.043	0.893 ± 0.043	0.890 ± 0.046	0.897 ± 0.041	0.893 ± 0.042
glass-0-4-vs-5	[2] 0.969 ± 0.072	0.981 ± 0.048	0.764 ± 0.287	0.803 ± 0.267	0.807 ± 0.269	0.777 ± 0.265
ecoli-0-3-4-7-vs-5-6	[3,4,5,6] 0.894 ± 0.079	[3,4,5,6] 0.894 ± 0.079	0.866 ± 0.089	0.895 ± 0.086	0.867 ± 0.088	0.879 ± 0.088
ecoli-0-1-4-6-vs-5	0.913 ± 0.083	0.911 ± 0.083	0.898 ± 0.088	0.898 ± 0.089	0.894 ± 0.088	0.897 ± 0.089
ecoli4	[2,5,6] 0.906 ± 0.116	0.905 ± 0.116	0.924 ± 0.095	0.924 ± 0.095	0.932 ± 0.091	0.922 ± 0.098
page-blocks-1-3-vs-4	0.928 ± 0.073	0.928 ± 0.076	[1,2,6] 0.691 ± 0.185	[1,2,3,6] 0.786 ± 0.171	[1,2,4,6] 0.742 ± 0.171	[2] 0.765 ± 0.143
ecoli-0-3-4-vs-5	[3,4,5,6] 0.905 ± 0.121	[3,4,5,6] 0.903 ± 0.121	0.900 ± 0.126	[3,5] 0.897 ± 0.126	[3] 0.900 ± 0.126	[3,5] 0.893 ± 0.135
yeast-1-vs-7	0.581 ± 0.197	0.610 ± 0.161	0.603 ± 0.136	0.651 ± 0.135	0.558 ± 0.158	0.618 ± 0.152
yeast4	0.677 ± 0.113	[5] 0.679 ± 0.109	[5] 0.723 ± 0.092	[1,3,5] 0.777 ± 0.094	0.720 ± 0.096	[5] 0.775 ± 0.085
ecoli-0-1-4-7-vs-5-6	0.900 ± 0.080	[1] 0.901 ± 0.077	[1,2] 0.888 ± 0.085	[1,2,3,5] 0.895 ± 0.083	[1,2] 0.878 ± 0.094	[1,2,3,5] 0.890 ± 0.085
vowel0	0.999 ± 0.002	0.999 ± 0.001	0.781 ± 0.088	0.924 ± 0.057	0.855 ± 0.073	[3] 0.875 ± 0.061
ecoli-0-3-4-6-vs-5	[3,4,5,6] 0.910 ± 0.098	[3,4,5,6] 0.907 ± 0.098	0.891 ± 0.099	[3,5,6] 0.886 ± 0.102	[3] 0.891 ± 0.099	[3,5] 0.882 ± 0.101
glass-0-1-6-vs-5	[all] 0.844 ± 0.247	[3,4,5,6] 0.833 ± 0.247	0.812 ± 0.245	0.820 ± 0.246	0.805 ± 0.244	0.805 ± 0.245
yeast-0-2-5-6-vs-3-7-8-9	[5,6] 0.785 ± 0.053	[6] 0.782 ± 0.053	0.735 ± 0.070	[5,6] 0.738 ± 0.068	0.744 ± 0.075	0.717 ± 0.072
yeast6	[all] 0.797 ± 0.122	[3,4,5,6] 0.792 ± 0.129	[6] 0.827 ± 0.101	[6] 0.848 ± 0.095	[6] 0.832 ± 0.099	0.853 ± 0.088
led7digit-0-2-4-5-6-7-8-9-vs-1	[2] 0.898 ± 0.063	0.863 ± 0.103	[1,2] 0.453 ± 0.210	[1,2] 0.875 ± 0.087	[1,2,3] 0.529 ± 0.176	[1,2] 0.858 ± 0.133
glass5	[3,5] 0.712 ± 0.376	[3,5] 0.718 ± 0.377	0.764 ± 0.329	[3,5] 0.796 ± 0.291	[3] 0.782 ± 0.311	[3,5] 0.777 ± 0.311
glass-0-6-vs-5	0.885 ± 0.244	0.885 ± 0.244	0.715 ± 0.338	0.781 ± 0.267	0.693 ± 0.350	0.741 ± 0.305
glass-0-1-5-vs-2	[3,4,5,6] 0.643 ± 0.221	[3,4,5,6] 0.626 ± 0.213	0.703 ± 0.157	[5] 0.659 ± 0.140	0.703 ± 0.139	0.691 ± 0.137
ecoli-0-6-7-vs-3-5	0.834 ± 0.114	0.851 ± 0.108	[2,4,5,6] 0.805 ± 0.131	0.808 ± 0.129	[2,4,6] 0.808 ± 0.131	[2,4] 0.813 ± 0.121
glass4	0.875 ± 0.244	0.875 ± 0.243	0.746 ± 0.234	[3,5] 0.748 ± 0.242	0.736 ± 0.254	0.760 ± 0.238
ecoli-0-2-3-4-vs-5	[3,4,5,6] 0.906 ± 0.088	[3,4,5,6] 0.904 ± 0.088	0.897 ± 0.087	0.901 ± 0.089	0.901 ± 0.089	0.901 ± 0.088
shuttle-c0-vs-c4	0.996 ± 0.008	0.996 ± 0.008	0.995 ± 0.008	0.995 ± 0.008	0.995 ± 0.008	0.995 ± 0.008
ecoli-0-6-7-vs-5	0.858 ± 0.115	0.861 ± 0.118	0.856 ± 0.122	0.856 ± 0.119	0.850 ± 0.119	0.853 ± 0.124
yeast-1-2-8-9-vs-7	[3] 0.528 ± 0.199	[3] 0.544 ± 0.186	0.587 ± 0.148	0.663 ± 0.117	0.571 ± 0.183	0.652 ± 0.114
yeast-0-3-5-9-vs-7-8	0.688 ± 0.071	[1] 0.687 ± 0.068	[1] 0.556 ± 0.134	[1,2,3,5] 0.581 ± 0.128	0.557 ± 0.126	[1,2,3,5] 0.571 ± 0.122
yeast-2-vs-4	[all] 0.867 ± 0.072	[3,4,5,6] 0.870 ± 0.071	0.823 ± 0.079	0.837 ± 0.082	0.827 ± 0.081	0.842 ± 0.076
ecoli-0-4-6-vs-5	[3,4,5,6] 0.910 ± 0.091	[3,4,5,6] 0.908 ± 0.091	0.893 ± 0.089	0.893 ± 0.094	0.897 ± 0.091	0.897 ± 0.091
ecoli-0-1-3-7-vs-2-6	[3,4,5,6] 0.735 ± 0.383	[3,4,5,6] 0.737 ± 0.385	0.734 ± 0.384	0.724 ± 0.377	0.735 ± 0.384	0.731 ± 0.381
shuttle-c2-vs-c4	[4] 0.994 ± 0.041	[1,4,6] 0.994 ± 0.041	0.722 ± 0.433	0.728 ± 0.435	[4] 0.837 ± 0.346	[4] 0.848 ± 0.347
ecoli-0-2-6-7-vs-3-5	[3,4,5] 0.847 ± 0.096	[3,4,5] 0.866 ± 0.087	0.806 ± 0.136	0.823 ± 0.122	0.814 ± 0.134	0.819 ± 0.122
yeast5	0.935 ± 0.056	[3,4,5,6] 0.938 ± 0.049	0.929 ± 0.066	0.940 ± 0.058	0.940 ± 0.055	0.936 ± 0.049

Table 11: Results for GMEAN metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.220 [3,5]	4.293 [3,5,6]	2.646	3.622 [3]	2.963	3.256

Table 12: Results for mean ranks according to GMEAN metric