Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass-0-1-6-vs-2	0.566 ± 0.108 [−]	0.569 ± 0.107 [−]	0.722 ± 0.119 [1,2,4]	0.682 ± 0.111 [1,2]	0.746 ± 0.105 [1,2,4]	0.736 ± 0.080 [1,2,4]
ecoli-0-3-4-7-vs-5-6	0.855 ± 0.086 [−]	0.865 ± 0.082 [−]	0.888 ± 0.081 [1]	0.892 ± 0.077 [1]	0.884 ± 0.077 [−]	0.895 ± 0.079 [1,2]
shuttle-c2-vs-c4	0.990 ± 0.048 [3,4,5,6]	0.990 ± 0.048 [3,4,5,6]	0.910 ± 0.178 [−]	0.923 ± 0.167 [−]	0.910 ± 0.178 [−]	0.923 ± 0.167 [−]
glass-0-1-4-6-vs-2	0.561 ± 0.095 [−]	0.565 ± 0.097 [−]	0.739 ± 0.111 [1,2,4]	0.688 ± 0.080 [1,2]	0.730 ± 0.123 [1,2,4]	0.739 ± 0.096 [1,2,4]
yeast-1-2-8-9-vs-7	0.534 ± 0.050 [−]	0.544 ± 0.053 [−]	0.670 ± 0.080 [1,2,4]	0.693 ± 0.093 [1,2]	0.676 ± 0.076 [1,2,4]	0.713 ± 0.072 [1,2,4]
ecoli-0-1-4-6-vs-5	0.842 ± 0.092 [−]	0.847 ± 0.087 [−]	0.894 ± 0.078 [1,2]	0.893 ± 0.074 [1,2]	0.902 ± 0.077 [1,2]	0.903 ± 0.075 [1,2,3,5]
glass-0-1-6-vs-5	0.914 ± 0.143 [−]	0.929 ± 0.138 [−]	0.879 ± 0.151 [1,2,4]	0.866 ± 0.139 [1,2]	0.899 ± 0.150 [1,2,4]	0.900 ± 0.139 [1,2,5]
yeast-2-vs-4	0.831 ± 0.072 [3,4]	0.831 ± 0.069 [3,4,6]	0.851 ± 0.067 [4]	0.873 ± 0.073 [−]	0.852 ± 0.067 [3,4]	0.872 ± 0.071 [4,5]
glass-0-6-vs-5	0.913 ± 0.157 [−]	0.913 ± 0.157 [−]	0.798 ± 0.185 [1,2]	0.793 ± 0.171 [1,2]	0.810 ± 0.188 [1,2]	0.828 ± 0.184 [1,2,3,5]
ecoli-0-3-4-6-vs-5	0.844 ± 0.124 [3,4,5,6]	0.849 ± 0.123 [3,4,5,6]	0.898 ± 0.095 [4]	0.903 ± 0.097 [−]	0.903 ± 0.089 [4]	0.906 ± 0.090 [4]
yeast-0-3-5-9-vs-7-8	0.600 ± 0.053 [−]	0.606 ± 0.052 [−]	0.662 ± 0.069 [1,2]	0.684 ± 0.071 [1,2]	0.668 ± 0.072 [1,2]	0.707 ± 0.061 [1,2]
glass-0-1-5-vs-2	0.556 ± 0.107 [−]	0.563 ± 0.108 [−]	0.720 ± 0.128 [1,2]	0.676 ± 0.097 [1,2,3,5]	0.715 ± 0.119 [1,2]	0.686 ± 0.100 [all]
ecoli-0-6-7-vs-5	0.871 ± 0.115 [−]	0.871 ± 0.115 [−]	0.871 ± 0.098 [1,2]	0.870 ± 0.104 [1,2,3,5]	0.873 ± 0.100 [1,2]	0.876 ± 0.103 [all]
ecoli-0-2-3-4-vs-5	0.852 ± 0.092 [−]	0.857 ± 0.089 [−]	0.906 ± 0.080 [1,2,4,6]	0.902 ± 0.082 [1,2]	0.908 ± 0.078 [1,2,4,6]	0.910 ± 0.078 [1,2]
ecoli4	0.876 ± 0.099 [4]	0.884 ± 0.100 [4]	0.917 ± 0.088 [4]	0.925 ± 0.081 [−]	0.927 ± 0.091 [4]	0.929 ± 0.090 [5]
yeast5	0.816 ± 0.063 [−]	0.826 ± 0.066 [−]	0.941 ± 0.051 [1,2,4]	0.951 ± 0.040 [1,2]	0.939 ± 0.052 [1,2]	0.943 ± 0.047 [1,2]
ecoli-0-4-6-vs-5	0.847 ± 0.102 [−]	0.849 ± 0.100 [−]	0.897 ± 0.084 [1,2]	0.895 ± 0.085 [1,2]	0.906 ± 0.082 [1,2]	0.908 ± 0.083 [1,2,5]
led7digit-0-2-4-5-6-7-8-9-vs-1	0.885 ± 0.071 [−]	0.883 ± 0.070 [−]	0.651 ± 0.089 [1,2,5]	0.904 ± 0.070 [1,2]	0.650 ± 0.093 [1,2]	0.900 ± 0.077 [1,2,5]
ecoli-0-1-vs-5	0.854 ± 0.101 [3,5]	0.861 ± 0.101 [3,5]	0.902 ± 0.076 [−]	0.907 ± 0.072 [1,2,3,5]	0.909 ± 0.076 [−]	0.911 ± 0.078 [3,5]
ecoli-0-2-6-7-vs-3-5	0.841 ± 0.108 [−]	0.844 ± 0.107 [−]	0.839 ± 0.106 [1,2]	0.841 ± 0.104 [1,2]	0.841 ± 0.099 [1,2]	0.829 ± 0.104 [1,2]
ecoli-0-1-4-7-vs-2-3-5-6	0.808 ± 0.100 [6]	0.815 ± 0.098 [6]	0.861 ± 0.085 [6]	0.845 ± 0.086 [6]	0.860 ± 0.083 [6]	0.847 ± 0.082 [−]
shuttle-c0-vs-c4	1.000 ± 0.000 [−]	1.000 ± 0.000 [−]	0.998 ± 0.006 [1,2,4,6]	0.998 ± 0.006 [1,2]	0.998 ± 0.006 [1,2,4,6]	0.998 ± 0.006 [1,2]
ecoli-0-6-7-vs-3-5	0.841 ± 0.111 [−]	0.843 ± 0.110 [−]	0.829 ± 0.105 [−]	0.841 ± 0.105 [−]	0.830 ± 0.105 [−]	0.830 ± 0.106 [−]
vowel0	0.959 ± 0.028 [3,4,5,6]	0.960 ± 0.029 [3,4,5,6]	0.823 ± 0.062 [−]	0.877 ± 0.066 [6]	0.808 ± 0.068 [−]	0.860 ± 0.070 [5]
glass4	0.826 ± 0.125 [3,4,5,6]	0.829 ± 0.119 [3,4,5,6]	0.790 ± 0.147 [−]	0.798 ± 0.133 [3,5]	0.805 ± 0.152 [−]	0.861 ± 0.112 [3,5]
yeast-0-5-6-7-9-vs-4	0.665 ± 0.068 [−]	0.666 ± 0.069 [3]	0.791 ± 0.046 [−]	0.794 ± 0.048 [−]	0.791 ± 0.048 [3,4]	0.797 ± 0.054 [3,4]
yeast-0-2-5-6-vs-3-7-8-9	0.733 ± 0.043 [−]	0.736 ± 0.040 [−]	0.771 ± 0.057 [1,2]	0.773 ± 0.053 [1,2]	0.775 ± 0.055 [1,2]	0.773 ± 0.058 [1,2]
ecoli-0-1-vs-2-3-5	0.808 ± 0.108 [−]	0.812 ± 0.111 [−]	0.859 ± 0.088 [1,2]	0.851 ± 0.092 [1,2]	0.859 ± 0.089 [1,2]	0.858 ± 0.094 [1,2]
ecoli-0-3-4-vs-5	0.867 ± 0.119 [−]	0.869 ± 0.118 [−]	0.908 ± 0.108 [1,2,4,6]	0.910 ± 0.106 [1,2]	0.910 ± 0.113 [1,2,4,6]	0.911 ± 0.110 [1,2]
glass5	0.883 ± 0.166 [−]	0.898 ± 0.165 [−]	0.909 ± 0.142 [1]	0.910 ± 0.111 [1]	0.912 ± 0.143 [1]	0.925 ± 0.123 [1]
yeast4	0.593 ± 0.062 [−]	0.598 ± 0.064 [−]	0.776 ± 0.077 [−]	0.827 ± 0.063 [3]	0.769 ± 0.079 [4]	0.829 ± 0.061 [3,4,5]
glass-0-4-vs-5	0.992 ± 0.016 [−]	0.992 ± 0.016 [−]	0.896 ± 0.163 [1,2,3,5]	0.912 ± 0.150 [1,2]	0.898 ± 0.161 [1,2]	0.915 ± 0.151 [1,2,3,5]
yeast6	0.732 ± 0.086 [3,4,5,6]	0.733 ± 0.085 [3,4,5,6]	0.837 ± 0.086 [−]	0.847 ± 0.071 [−]	0.834 ± 0.084 [−]	0.840 ± 0.083 [−]
page-blocks-1-3-vs-4	0.980 ± 0.052 [−]	0.980 ± 0.052 [−]	0.723 ± 0.113 [1,2,5]	0.815 ± 0.124 [1,2]	0.807 ± 0.099 [1,2]	0.885 ± 0.090 [1,2]
yeast-1-vs-7	0.550 ± 0.050 [3,4,5,6]	0.565 ± 0.062 [3,4,5,6]	0.686 ± 0.111 [−]	0.728 ± 0.085 [3]	0.665 ± 0.102 [3]	0.713 ± 0.095 [3,4,5]
ecoli-0-1-3-7-vs-2-6	0.664 ± 0.210 [−]	0.683 ± 0.211 [−]	0.837 ± 0.199 [1,2,5]	0.832 ± 0.196 [1,2,3,5]	0.831 ± 0.199 [1,2]	0.830 ± 0.189 [1,2,5]
yeast-1-4-5-8-vs-7	0.501 ± 0.011 [−]	0.503 ± 0.016 [−]	0.624 ± 0.093 [all]	0.651 ± 0.089 [1,2,6]	0.630 ± 0.093 [1,2,6]	0.658 ± 0.081 [1,2]
ecoli-0-1-4-7-vs-5-6	0.823 ± 0.095 [−]	0.834 ± 0.095 [−]	0.891 ± 0.088 [1,2]	0.889 ± 0.091 [1,2]	0.900 ± 0.078 [1,2]	0.903 ± 0.077 [1,2,3]
yeast-2-vs-8	0.749 ± 0.124 [−]	0.749 ± 0.124 [−]	0.776 ± 0.110 [1,2,4]	0.780 ± 0.114 [1,2]	0.773 ± 0.114 [1,2,4]	0.773 ± 0.113 [1,2,5]
yeast-0-2-5-7-9-vs-3-6-8	0.872 ± 0.046 [−]	0.876 ± 0.044 [−]	0.900 ± 0.039 [1,2,6]	0.897 ± 0.039 [6]	0.902 ± 0.037 [6]	0.901 ± 0.038 [−]
glass2	0.556 ± 0.078 [−]	0.557 ± 0.078 [−]	0.746 ± 0.099 [1,2,4]	0.705 ± 0.084 [1,2]	0.755 ± 0.116 [1,2,4]	0.752 ± 0.088 [1,2,4]

Table 1: Results for BAC metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	2.122 [−]	2.878 [1]	3.341 [1]	3.902 [1,2,3]	3.878 [1,3]	4.878 [all]

Table 2: Results for mean ranks according to BAC metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass-0-1-6-vs-2	0.200 ± 0.270 [−]	0.205 ± 0.267 [−]	0.311 ± 0.102 [1,2,4,6]	0.246 ± 0.066 [−]	0.331 ± 0.095 [1,2,4,6]	0.283 ± 0.060 [1,2,4]
ecoli-0-3-4-7-vs-5-6	0.787 ± 0.121 [−]	0.799 ± 0.118 [−]	0.798 ± 0.122 [−]	0.785 ± 0.123 [−]	0.786 ± 0.122 [−]	0.768 ± 0.125 [−]
shuttle-c2-vs-c4	0.987 ± 0.065 [3,4,5,6]	0.987 ± 0.065 [3,4,5,6]	0.833 ± 0.348 [−]	0.843 ± 0.327 [−]	0.833 ± 0.348 [−]	0.843 ± 0.327 [−]
glass-0-1-4-6-vs-2	0.171 ± 0.233 [−]	0.188 ± 0.235 [−]	0.329 ± 0.110 [1,2,4,6]	0.235 ± 0.052 [1]	0.322 ± 0.123 [1,2,4,6]	0.279 ± 0.075 [1,2,4]
yeast-1-2-8-9-vs-7	0.108 ± 0.152 [−]	0.140 ± 0.160 [−]	0.204 ± 0.077 [−]	0.133 ± 0.040 [−]	0.201 ± 0.069 [−]	0.132 ± 0.026 [−]
ecoli-0-1-4-6-vs-5	0.771 ± 0.148 [−]	0.776 ± 0.140 [−]	0.798 ± 0.109 [4]	0.763 ± 0.110 [−]	0.805 ± 0.111 [4,6]	0.779 ± 0.114 [−]
glass-0-1-6-vs-5	0.781 ± 0.255 [3,4,6]	0.801 ± 0.258 [3,4,6]	0.660 ± 0.259 [4]	0.504 ± 0.203 [−]	0.730 ± 0.273 [3,4,6]	0.665 ± 0.265 [4]
yeast-2-vs-4	0.723 ± 0.113 [−]	0.722 ± 0.109 [−]	0.768 ± 0.095 [1,2,6]	0.761 ± 0.103 [1,2,6]	0.771 ± 0.093 [1,2,6]	0.742 ± 0.095 [−]
glass-0-6-vs-5	0.827 ± 0.279 [3,4,5,6]	0.827 ± 0.279 [3,4,5,6]	0.625 ± 0.343 [4]	0.497 ± 0.266 [−]	0.666 ± 0.348 [4,6]	0.628 ± 0.312 [4]
ecoli-0-3-4-6-vs-5	0.759 ± 0.204 [−]	0.763 ± 0.202 [−]	0.802 ± 0.146 [−]	0.793 ± 0.152 [−]	0.792 ± 0.147 [−]	0.786 ± 0.147 [−]
yeast-0-3-5-9-vs-7-8	0.307 ± 0.136 [−]	0.321 ± 0.129 [−]	0.401 ± 0.128 [1,2,4,6]	0.367 ± 0.102 [1,2,6]	0.393 ± 0.128 [1,2,6]	0.337 ± 0.074 [−]
glass-0-1-5-vs-2	0.159 ± 0.246 [−]	0.183 ± 0.250 [−]	0.329 ± 0.117 [1,2,4,6]	0.263 ± 0.063 [1,2]	0.321 ± 0.106 [1,2,4,6]	0.272 ± 0.072 [1,2]
ecoli-0-6-7-vs-5	0.790 ± 0.184 [4,6]	0.788 ± 0.184 [4,6]	0.781 ± 0.155 [4,6]	0.736 ± 0.172 [−]	0.779 ± 0.159 [4,6]	0.747 ± 0.173 [−]
ecoli-0-2-3-4-vs-5	0.784 ± 0.152 [−]	0.791 ± 0.149 [−]	0.828 ± 0.116 [1,2,4]	0.805 ± 0.126 [−]	0.820 ± 0.120 [−]	0.813 ± 0.116 [−]
ecoli4	0.798 ± 0.150 [−]	0.807 ± 0.150 [−]	0.860 ± 0.118 [1,2,4,6]	0.830 ± 0.122 [−]	0.848 ± 0.149 [1,6]	0.799 ± 0.154 [−]
yeast5	0.688 ± 0.100 [4]	0.699 ± 0.102 [4]	0.697 ± 0.082 [−]	0.634 ± 0.069 [−]	0.732 ± 0.078 [all]	0.690 ± 0.078 [4]
ecoli-0-4-6-vs-5	0.768 ± 0.159 [−]	0.767 ± 0.154 [−]	0.801 ± 0.131 [−]	0.789 ± 0.136 [−]	0.809 ± 0.143 [−]	0.808 ± 0.148 [−]
led7digit-0-2-4-5-6-7-8-9-vs-1	0.716 ± 0.105 [3,5]	0.714 ± 0.109 [3,5]	0.401 ± 0.197 [−]	0.746 ± 0.100 [all]	0.393 ± 0.197 [−]	0.724 ± 0.103 [3,5]
ecoli-0-1-vs-5	0.784 ± 0.150 [−]	0.793 ± 0.146 [−]	0.863 ± 0.104 [1,2]	0.835 ± 0.119 [1]	0.866 ± 0.107 [1,2,4]	0.845 ± 0.125 [1,2]
ecoli-0-2-6-7-vs-3-5	0.761 ± 0.180 [4,5,6]	0.766 ± 0.179 [4,5,6]	0.733 ± 0.177 [4,6]	0.699 ± 0.192 [6]	0.736 ± 0.169 [4,6]	0.646 ± 0.185 [−]
ecoli-0-1-4-7-vs-2-3-5-6	0.709 ± 0.162 [4]	0.718 ± 0.159 [4,6]	0.781 ± 0.131 [1,2,4,6]	0.669 ± 0.154 [−]	0.779 ± 0.134 [1,2,4,6]	0.672 ± 0.151 [−]
shuttle-c0-vs-c4	1.000 ± 0.000 [−]	1.000 ± 0.000 [−]	0.998 ± 0.006 [−]	0.998 ± 0.006 [−]	0.998 ± 0.006 [−]	0.998 ± 0.006 [−]
ecoli-0-6-7-vs-3-5	0.759 ± 0.195 [3,4,5,6]	0.763 ± 0.193 [3,4,5,6]	0.719 ± 0.176 [6]	0.699 ± 0.190 [6]	0.710 ± 0.182 [6]	0.664 ± 0.199 [−]
vowel0	0.915 ± 0.038 [3,4,5,6]	0.916 ± 0.038 [3,4,5,6]	0.744 ± 0.094 [−]	0.822 ± 0.093 [3,5]	0.727 ± 0.098 [−]	0.801 ± 0.087 [3,5]
glass4	0.682 ± 0.189 [3,4,5,6]	0.686 ± 0.187 [3,4,5,6]	0.519 ± 0.227 [4]	0.462 ± 0.188 [−]	0.554 ± 0.250 [3,4]	0.589 ± 0.189 [3,4]
yeast-0-5-6-7-9-vs-4	0.439 ± 0.129 [−]	0.438 ± 0.132 [−]	0.530 ± 0.080 [1,2,4,6]	0.437 ± 0.093 [−]	0.533 ± 0.091 [1,2,4,6]	0.430 ± 0.083 [−]
yeast-0-2-5-6-vs-3-7-8-9	0.584 ± 0.081 [6]	0.589 ± 0.075 [6]	0.621 ± 0.094 [1,2,4,6]	0.572 ± 0.099 [6]	0.620 ± 0.089 [1,2,4,6]	0.542 ± 0.117 [−]
ecoli-0-1-vs-2-3-5	0.703 ± 0.185 [−]	0.705 ± 0.190 [−]	0.806 ± 0.123 [1,2,4,6]	0.717 ± 0.156 [−]	0.804 ± 0.133 [1,2,4,6]	0.734 ± 0.164 [−]
ecoli-0-3-4-vs-5	0.789 ± 0.181 [−]	0.793 ± 0.181 [−]	0.825 ± 0.163 [−]	0.824 ± 0.167 [−]	0.820 ± 0.193 [−]	0.817 ± 0.191 [−]
glass5	0.767 ± 0.301 [4,6]	0.787 ± 0.304 [3,4,6]	0.694 ± 0.231 [4,6]	0.505 ± 0.165 [−]	0.733 ± 0.249 [4,6]	0.607 ± 0.211 [4]
yeast4	0.268 ± 0.156 [−]	0.280 ± 0.159 [−]	0.392 ± 0.093 [1,2,4,6]	0.285 ± 0.049 [−]	0.390 ± 0.102 [1,2,4,6]	0.277 ± 0.044 [−]
glass-0-4-vs-5	0.942 ± 0.109 [4]	0.942 ± 0.109 [4]	0.825 ± 0.288 [−]	0.829 ± 0.265 [−]	0.833 ± 0.286 [−]	0.852 ± 0.261 [−]
yeast6	0.543 ± 0.150 [3,4,5,6]	0.543 ± 0.149 [3,4,5,6]	0.472 ± 0.113 [4,6]	0.322 ± 0.084 [−]	0.498 ± 0.104 [3,4,6]	0.358 ± 0.098 [4]
page-blocks-1-3-vs-4	0.947 ± 0.078 [3,4,5,6]	0.947 ± 0.078 [3,4,5,6]	0.527 ± 0.218 [−]	0.647 ± 0.201 [3]	0.727 ± 0.165 [3,4]	0.820 ± 0.145 [3,4,5]
yeast-1-vs-7	0.168 ± 0.157 [−]	0.206 ± 0.182 [−]	0.279 ± 0.106 [1,2,5,6]	0.249 ± 0.060 [1]	0.248 ± 0.100 [1,2]	0.231 ± 0.057 [1]
ecoli-0-1-3-7-vs-2-6	0.360 ± 0.436 [−]	0.397 ± 0.430 [−]	0.516 ± 0.317 [1,4,5,6]	0.440 ± 0.282 [6]	0.450 ± 0.282 [6]	0.359 ± 0.233 [−]
yeast-1-4-5-8-vs-7	0.006 ± 0.040 [−]	0.011 ± 0.052 [−]	0.159 ± 0.067 [1,2,4,6]	0.132 ± 0.032 [1,2]	0.162 ± 0.066 [1,2,4,6]	0.135 ± 0.029 [1,2]
ecoli-0-1-4-7-vs-5-6	0.737 ± 0.155 [−]	0.753 ± 0.149 [−]	0.819 ± 0.122 [1,2,4,6]	0.782 ± 0.152 [1]	0.826 ± 0.119 [1,2,4,6]	0.783 ± 0.123 [−]
yeast-2-vs-8	0.606 ± 0.242 [6]	0.606 ± 0.242 [6]	0.666 ± 0.196 [1,2,4,6]	0.641 ± 0.206 [6]	0.653 ± 0.201 [6]	0.499 ± 0.176 [−]
yeast-0-2-5-7-9-vs-3-6-8	0.799 ± 0.071 [−]	0.803 ± 0.068 [−]	0.819 ± 0.060 [1,4,6]	0.804 ± 0.071 [−]	0.821 ± 0.058 [1,2,4,6]	0.806 ± 0.065 [−]
glass2	0.170 ± 0.214 [−]	0.173 ± 0.208 [−]	0.339 ± 0.111 [1,2,4,6]	0.238 ± 0.052 [2]	0.345 ± 0.121 [1,2,4,6]	0.283 ± 0.063 [1,2,4]

Table 3: Results for F1 metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	2.829 [−]	3.610 [1]	4.415 [1,4,6]	2.780 [−]	4.439 [1,4,6]	2.927 [−]

Table 4: Results for mean ranks according to F1 metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass-0-1-6-vs-2	0.353 ± 0.462 [−]	0.350 ± 0.451 [−]	0.200 ± 0.070 [4,6]	0.144 ± 0.041 [−]	0.213 ± 0.067 [4,6]	0.169 ± 0.040 [4]
ecoli-0-3-4-7-vs-5-6	0.905 ± 0.115 [3,4,5,6]	0.898 ± 0.124 [3,4,5,6]	0.824 ± 0.139 [4,6]	0.780 ± 0.152 [−]	0.796 ± 0.140 [6]	0.735 ± 0.146 [−]
shuttle-c2-vs-c4	1.000 ± 0.000 [4,6]	1.000 ± 0.000 [4,6]	0.860 ± 0.346 [−]	0.853 ± 0.332 [−]	0.860 ± 0.346 [4,6]	0.853 ± 0.332 [4]
glass-0-1-4-6-vs-2	0.266 ± 0.377 [−]	0.296 ± 0.389 [−]	0.215 ± 0.081 [4,6]	0.136 ± 0.033 [−]	0.211 ± 0.089 [4,6]	0.167 ± 0.050 [4]
yeast-1-2-8-9-vs-7	0.268 ± 0.391 [3,4,5,6]	0.362 ± 0.428 [3,4,5,6]	0.136 ± 0.063 [4,6]	0.074 ± 0.023 [−]	0.131 ± 0.050 [4,6]	0.073 ± 0.014 [4]
ecoli-0-1-4-6-vs-5	0.924 ± 0.143 [3,4,5,6]	0.912 ± 0.148 [3,4,5,6]	0.824 ± 0.151 [4,6]	0.758 ± 0.171 [−]	0.823 ± 0.152 [4,6]	0.765 ± 0.166 [4]
glass-0-1-6-vs-5	0.780 ± 0.285 [6]	0.780 ± 0.285 [6]	0.631 ± 0.306 [1,2,4,6]	0.400 ± 0.221 [6]	0.703 ± 0.303 [1,2,4,6]	0.595 ± 0.303 [−]
yeast-2-vs-4	0.789 ± 0.112 [4,6]	0.785 ± 0.114 [4,6]	0.846 ± 0.102 [4,6]	0.775 ± 0.133 [−]	0.852 ± 0.096 [4,6]	0.739 ± 0.141 [4]
glass-0-6-vs-5	0.850 ± 0.287 [4,6]	0.850 ± 0.287 [4,6]	0.705 ± 0.395 [4,6]	0.442 ± 0.304 [−]	0.750 ± 0.386 [4,6]	0.617 ± 0.347 [4]
ecoli-0-3-4-6-vs-5	0.887 ± 0.188 [3,4,5,6]	0.877 ± 0.186 [3,4,5,6]	0.808 ± 0.155 [5,6]	0.780 ± 0.166 [−]	0.769 ± 0.163 [−]	0.752 ± 0.164 [−]
yeast-0-3-5-9-vs-7-8	0.633 ± 0.270 [3,4,5,6]	0.636 ± 0.250 [3,4,5,6]	0.477 ± 0.162 [4,5,6]	0.319 ± 0.118 [6]	0.415 ± 0.175 [4,6]	0.233 ± 0.077 [−]
glass-0-1-5-vs-2	0.256 ± 0.400 [−]	0.306 ± 0.421 [−]	0.215 ± 0.084 [4,6]	0.155 ± 0.040 [−]	0.208 ± 0.074 [4,6]	0.162 ± 0.047 [−]
ecoli-0-6-7-vs-5	0.873 ± 0.176 [4,5,6]	0.870 ± 0.178 [4,6]	0.833 ± 0.172 [4,6]	0.736 ± 0.208 [−]	0.822 ± 0.170 [4,6]	0.743 ± 0.201 [−]
ecoli-0-2-3-4-vs-5	0.901 ± 0.162 [4,5,6]	0.903 ± 0.160 [3,4,5,6]	0.853 ± 0.146 [4,6]	0.804 ± 0.162 [−]	0.828 ± 0.160 [−]	0.811 ± 0.160 [−]
ecoli4	0.884 ± 0.159 [6]	0.886 ± 0.155 [6]	0.917 ± 0.122 [4,5,6]	0.843 ± 0.174 [6]	0.863 ± 0.163 [6]	0.770 ± 0.188 [−]
yeast5	0.769 ± 0.134 [3,4,5,6]	0.767 ± 0.130 [3,4,5,6]	0.574 ± 0.091 [4]	0.487 ± 0.081 [−]	0.628 ± 0.094 [3,4,6]	0.563 ± 0.090 [4]
ecoli-0-4-6-vs-5	0.895 ± 0.159 [3,4,5,6]	0.887 ± 0.158 [3,4,5,6]	0.810 ± 0.166 [−]	0.786 ± 0.175 [−]	0.802 ± 0.183 [5]	0.797 ± 0.194 [5]
led7digit-0-2-4-5-6-7-8-9-vs-1	0.658 ± 0.134 [5]	0.658 ± 0.142 [5]	0.590 ± 0.282 [−]	0.678 ± 0.108 [5]	0.559 ± 0.278 [−]	0.650 ± 0.103 [5]
ecoli-0-1-vs-5	0.931 ± 0.120 [4]	0.926 ± 0.123 [−]	0.951 ± 0.101 [4,6]	0.874 ± 0.168 [−]	0.936 ± 0.110 [4,6]	0.886 ± 0.156 [−]
ecoli-0-2-6-7-vs-3-5	0.898 ± 0.182 [3,4,5,6]	0.899 ± 0.178 [3,4,5,6]	0.805 ± 0.191 [4,6]	0.722 ± 0.241 [6]	0.797 ± 0.185 [4,6]	0.631 ± 0.243 [−]
ecoli-0-1-4-7-vs-2-3-5-6	0.871 ± 0.142 [4,6]	0.871 ± 0.142 [4,6]	0.872 ± 0.141 [4,6]	0.643 ± 0.202 [−]	0.859 ± 0.154 [4,6]	0.647 ± 0.210 [−]
shuttle-c0-vs-c4	1.000 ± 0.000 [−]	1.000 ± 0.000 [−]	1.000 ± 0.000 [−]	1.000 ± 0.000 [−]	1.000 ± 0.000 [−]	1.000 ± 0.000 [−]
ecoli-0-6-7-vs-3-5	0.883 ± 0.194 [3,4,5,6]	0.883 ± 0.194 [3,4,5,6]	0.805 ± 0.190 [4,6]	0.714 ± 0.229 [6]	0.765 ± 0.207 [4,6]	0.660 ± 0.252 [−]
vowel0	0.906 ± 0.062 [3]	0.908 ± 0.061 [3]	0.877 ± 0.083 [−]	0.909 ± 0.076 [3]	0.903 ± 0.082 [3]	0.921 ± 0.071 [3,5]
glass4	0.773 ± 0.238 [3,4,5,6]	0.765 ± 0.246 [3,4,5,6]	0.486 ± 0.264 [4]	0.381 ± 0.198 [−]	0.522 ± 0.288 [3,4]	0.509 ± 0.230 [4]
yeast-0-5-6-7-9-vs-4	0.660 ± 0.181 [3,4,5,6]	0.638 ± 0.173 [3,4,5,6]	0.451 ± 0.113 [4,6]	0.313 ± 0.103 [−]	0.456 ± 0.124 [4,6]	0.301 ± 0.084 [−]
yeast-0-2-5-6-vs-3-7-8-9	0.754 ± 0.112 [3,4,5,6]	0.756 ± 0.106 [3,4,5,6]	0.695 ± 0.099 [4,6]	0.589 ± 0.174 [6]	0.682 ± 0.102 [4,6]	0.512 ± 0.174 [−]
ecoli-0-1-vs-2-3-5	0.838 ± 0.177 [4,6]	0.832 ± 0.184 [4,6]	0.952 ± 0.093 [1,2,4,6]	0.734 ± 0.202 [−]	0.938 ± 0.118 [1,2,4,6]	0.749 ± 0.207 [−]
ecoli-0-3-4-vs-5	0.893 ± 0.156 [4,5,6]	0.893 ± 0.156 [4,5,6]	0.854 ± 0.155 [−]	0.841 ± 0.165 [−]	0.828 ± 0.199 [−]	0.818 ± 0.203 [−]
glass5	0.817 ± 0.320 [3,4,5,6]	0.817 ± 0.320 [3,4,5,6]	0.645 ± 0.272 [4,6]	0.366 ± 0.155 [6]	0.703 ± 0.287 [4,6]	0.478 ± 0.217 [4]
yeast4	0.534 ± 0.289 [3,4,5,6]	0.547 ± 0.283 [3,4,5,6]	0.297 ± 0.082 [4,6]	0.176 ± 0.036 [6]	0.299 ± 0.091 [4,6]	0.169 ± 0.031 [−]
glass-0-4-vs-5	0.908 ± 0.169 [−]	0.908 ± 0.169 [−]	0.887 ± 0.285 [−]	0.867 ± 0.280 [−]	0.903 ± 0.279 [−]	0.900 ± 0.260 [−]
yeast6	0.719 ± 0.200 [3,4,5,6]	0.716 ± 0.206 [3,4,5,6]	0.363 ± 0.102 [4,6]	0.209 ± 0.070 [−]	0.399 ± 0.097 [3,4,6]	0.244 ± 0.086 [4]
page-blocks-1-3-vs-4	0.940 ± 0.083 [3,4]	0.940 ± 0.083 [3,4]	0.704 ± 0.290 [−]	0.742 ± 0.253 [−]	0.942 ± 0.130 [3,4,6]	0.901 ± 0.156 [3,4]
yeast-1-vs-7	0.490 ± 0.463 [3,4,5,6]	0.523 ± 0.448 [3,4,5,6]	0.194 ± 0.079 [4,5,6]	0.150 ± 0.041 [−]	0.166 ± 0.072 [6]	0.137 ± 0.036 [−]
ecoli-0-1-3-7-vs-2-6	0.420 ± 0.493 [−]	0.460 ± 0.488 [6]	0.479 ± 0.358 [4,5,6]	0.386 ± 0.324 [6]	0.393 ± 0.320 [6]	0.264 ± 0.205 [−]
yeast-1-4-5-8-vs-7	0.020 ± 0.139 [−]	0.030 ± 0.155 [−]	0.098 ± 0.043 [1,2,4,6]	0.073 ± 0.018 [1,2]	0.099 ± 0.041 [1,2,4,6]	0.075 ± 0.016 [1,2]
ecoli-0-1-4-7-vs-5-6	0.896 ± 0.127 [4,6]	0.897 ± 0.120 [4,6]	0.886 ± 0.133 [4,6]	0.814 ± 0.189 [6]	0.865 ± 0.148 [4,6]	0.770 ± 0.171 [−]
yeast-2-vs-8	0.863 ± 0.266 [6]	0.863 ± 0.266 [6]	0.913 ± 0.179 [4,6]	0.816 ± 0.239 [6]	0.892 ± 0.203 [4,6]	0.558 ± 0.282 [−]
yeast-0-2-5-7-9-vs-3-6-8	0.852 ± 0.083 [3,4,5,6]	0.851 ± 0.083 [3,4,5,6]	0.824 ± 0.076 [6]	0.801 ± 0.103 [−]	0.825 ± 0.077 [4,6]	0.796 ± 0.099 [−]
glass2	0.297 ± 0.400 [−]	0.288 ± 0.383 [−]	0.226 ± 0.088 [4,6]	0.138 ± 0.032 [−]	0.229 ± 0.091 [4,6]	0.170 ± 0.041 [4]

Table 5: Results for Precision metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.976 [3,4,5,6]	5.000 [3,4,5,6]	3.780 [4,6]	1.829 [−]	3.561 [4,6]	1.854 [−]

Table 6: Results for mean ranks according to Precision metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass-0-1-6-vs-2	0.147 ± 0.209 [−]	0.153 ± 0.209 [−]	0.730 ± 0.242 [1,2]	0.880 ± 0.216 [1,2,3,5]	0.777 ± 0.213 [1,2]	0.925 ± 0.160 [1,2,3,5]
ecoli-0-3-4-7-vs-5-6	0.720 ± 0.174 [−]	0.740 ± 0.166 [−]	0.796 ± 0.162 [−]	0.812 ± 0.151 [−]	0.792 ± 0.149 [−]	0.824 ± 0.153 [1,2]
shuttle-c2-vs-c4	0.980 ± 0.097 [3,5]	0.980 ± 0.097 [3,5]	0.820 ± 0.357 [−]	0.850 ± 0.335 [−]	0.820 ± 0.357 [−]	0.850 ± 0.335 [−]
glass-0-1-4-6-vs-2	0.137 ± 0.194 [−]	0.150 ± 0.196 [−]	0.733 ± 0.206 [1,2]	0.912 ± 0.166 [1,2,3,5]	0.713 ± 0.243 [1,2]	0.897 ± 0.192 [1,2,3,5]
yeast-1-2-8-9-vs-7	0.070 ± 0.100 [−]	0.090 ± 0.106 [−]	0.437 ± 0.159 [1,2]	0.663 ± 0.184 [1,2,3,5]	0.453 ± 0.152 [1,2]	0.737 ± 0.153 [all]
ecoli-0-1-4-6-vs-5	0.690 ± 0.184 [−]	0.700 ± 0.173 [−]	0.805 ± 0.160 [1,2]	0.810 ± 0.154 [1,2]	0.820 ± 0.158 [1,2]	0.830 ± 0.153 [1,2]
glass-0-1-6-vs-5	0.840 ± 0.290 [−]	0.870 ± 0.279 [−]	0.790 ± 0.301 [−]	0.810 ± 0.280 [−]	0.820 ± 0.295 [−]	0.840 ± 0.272 [−]
yeast-2-vs-4	0.683 ± 0.145 [−]	0.683 ± 0.138 [−]	0.717 ± 0.134 [2]	0.773 ± 0.150 [1,2,3,5]	0.719 ± 0.136 [2]	0.779 ± 0.150 [1,2,3,5]
glass-0-6-vs-5	0.840 ± 0.307 [3,4,5,6]	0.840 ± 0.307 [3,4,5,6]	0.620 ± 0.368 [−]	0.700 ± 0.331 [−]	0.640 ± 0.361 [−]	0.710 ± 0.347 [−]
ecoli-0-3-4-6-vs-5	0.700 ± 0.244 [−]	0.710 ± 0.241 [−]	0.820 ± 0.187 [−]	0.835 ± 0.191 [1,2]	0.835 ± 0.170 [−]	0.845 ± 0.172 [1,2]
yeast-0-3-5-9-vs-7-8	0.214 ± 0.107 [−]	0.228 ± 0.105 [−]	0.374 ± 0.150 [1,2]	0.500 ± 0.178 [1,2,3,5]	0.408 ± 0.150 [1,2,3]	0.686 ± 0.152 [all]
glass-0-1-5-vs-2	0.128 ± 0.216 [−]	0.145 ± 0.217 [−]	0.742 ± 0.251 [1,2]	0.892 ± 0.178 [1,2,3,5]	0.737 ± 0.244 [1,2]	0.872 ± 0.193 [1,2,3,5]
ecoli-0-6-7-vs-5	0.755 ± 0.226 [−]	0.755 ± 0.226 [−]	0.760 ± 0.193 [−]	0.775 ± 0.201 [−]	0.765 ± 0.196 [−]	0.785 ± 0.200 [−]
ecoli-0-2-3-4-vs-5	0.715 ± 0.180 [−]	0.725 ± 0.175 [−]	0.830 ± 0.161 [1,2]	0.830 ± 0.161 [1,2]	0.840 ± 0.156 [1,2]	0.845 ± 0.157 [1,2]
ecoli4	0.760 ± 0.199 [−]	0.775 ± 0.201 [−]	0.840 ± 0.178 [1,2]	0.865 ± 0.167 [1,2]	0.865 ± 0.181 [1,2]	0.880 ± 0.181 [1,2]
yeast5	0.637 ± 0.126 [−]	0.658 ± 0.132 [−]	0.903 ± 0.102 [1,2]	0.933 ± 0.083 [1,2,3,5]	0.895 ± 0.105 [1,2]	0.908 ± 0.096 [1,2]
ecoli-0-4-6-vs-5	0.705 ± 0.204 [−]	0.710 ± 0.202 [−]	0.820 ± 0.166 [1,2]	0.820 ± 0.166 [1,2]	0.840 ± 0.156 [1,2]	0.845 ± 0.157 [1,2]
led7digit-0-2-4-5-6-7-8-9-vs-1	0.812 ± 0.142 [3,5]	0.809 ± 0.140 [3,5]	0.323 ± 0.177 [−]	0.845 ± 0.140 [1,2,3,5]	0.326 ± 0.184 [−]	0.843 ± 0.161 [1,2,3,5]
ecoli-0-1-vs-5	0.715 ± 0.206 [−]	0.730 ± 0.205 [−]	0.810 ± 0.154 [−]	0.830 ± 0.145 [1,2]	0.825 ± 0.152 [−]	0.835 ± 0.155 [1,2]
ecoli-0-2-6-7-vs-3-5	0.693 ± 0.213 [−]	0.698 ± 0.212 [−]	0.698 ± 0.207 [−]	0.725 ± 0.200 [−]	0.704 ± 0.193 [−]	0.722 ± 0.195 [−]
ecoli-0-1-4-7-vs-2-3-5-6	0.627 ± 0.200 [−]	0.641 ± 0.197 [−]	0.733 ± 0.171 [1,2]	0.737 ± 0.164 [1,2]	0.733 ± 0.164 [1,2]	0.744 ± 0.162 [1,2]
shuttle-c0-vs-c4	1.000 ± 0.000 [−]	1.000 ± 0.000 [−]	0.996 ± 0.012 [−]	0.996 ± 0.012 [−]	0.996 ± 0.012 [−]	0.996 ± 0.012 [−]
ecoli-0-6-7-vs-3-5	0.691 ± 0.221 [3,4,5,6]	0.695 ± 0.217 [3,4,5,6]	0.678 ± 0.204 [−]	0.722 ± 0.199 [3]	0.686 ± 0.201 [−]	0.717 ± 0.195 [3]
vowel0	0.929 ± 0.059 [3,4,5,6]	0.930 ± 0.060 [3,4,5,6]	0.657 ± 0.125 [−]	0.762 ± 0.134 [3,5]	0.623 ± 0.138 [−]	0.727 ± 0.143 [3,5]
glass4	0.667 ± 0.253 [−]	0.673 ± 0.240 [−]	0.633 ± 0.290 [−]	0.683 ± 0.269 [−]	0.657 ± 0.295 [−]	0.780 ± 0.224 [all]
yeast-0-5-6-7-9-vs-4	0.353 ± 0.142 [−]	0.357 ± 0.143 [−]	0.680 ± 0.103 [1,2]	0.814 ± 0.116 [1,2,3,5]	0.681 ± 0.102 [1,2]	0.826 ± 0.128 [1,2,3,5]
yeast-0-2-5-6-vs-3-7-8-9	0.483 ± 0.086 [−]	0.489 ± 0.080 [−]	0.571 ± 0.114 [1,2]	0.606 ± 0.126 [1,2]	0.580 ± 0.112 [1,2]	0.634 ± 0.131 [all]
ecoli-0-1-vs-2-3-5	0.630 ± 0.213 [−]	0.638 ± 0.219 [−]	0.723 ± 0.178 [1,2]	0.739 ± 0.180 [1,2]	0.723 ± 0.178 [1,2]	0.749 ± 0.180 [1,2]
ecoli-0-3-4-vs-5	0.745 ± 0.237 [−]	0.750 ± 0.234 [−]	0.835 ± 0.215 [1,2]	0.840 ± 0.210 [1,2]	0.840 ± 0.222 [1,2]	0.845 ± 0.217 [1,2]
glass5	0.770 ± 0.334 [−]	0.800 ± 0.331 [−]	0.840 ± 0.290 [1,2]	0.900 ± 0.223 [1]	0.840 ± 0.290 [1,2]	0.900 ± 0.244 [1]
yeast4	0.192 ± 0.125 [−]	0.203 ± 0.129 [−]	0.607 ± 0.159 [1,2]	0.790 ± 0.140 [1,2,3,5]	0.591 ± 0.161 [1,2]	0.802 ± 0.133 [1,2,3,5]
glass-0-4-vs-5	1.000 ± 0.000 [3,4,5,6]	1.000 ± 0.000 [3,4,5,6]	0.800 ± 0.316 [−]	0.840 ± 0.290 [−]	0.800 ± 0.316 [−]	0.840 ± 0.290 [−]
yeast6	0.469 ± 0.173 [−]	0.471 ± 0.172 [−]	0.706 ± 0.174 [1,2]	0.774 ± 0.151 [1,2,3,5]	0.694 ± 0.171 [1,2]	0.743 ± 0.176 [1,2,3,5]
page-blocks-1-3-vs-4	0.963 ± 0.104 [3,4,5,6]	0.963 ± 0.104 [3,4,5,6]	0.458 ± 0.229 [−]	0.651 ± 0.256 [3]	0.617 ± 0.198 [3]	0.777 ± 0.178 [3,4,5]
yeast-1-vs-7	0.103 ± 0.099 [−]	0.133 ± 0.124 [−]	0.540 ± 0.222 [1,2]	0.777 ± 0.171 [1,2,3,5]	0.520 ± 0.207 [1,2]	0.773 ± 0.210 [1,2,3,5]
ecoli-0-1-3-7-vs-2-6	0.330 ± 0.419 [−]	0.370 ± 0.422 [−]	0.700 ± 0.400 [1,2]	0.700 ± 0.400 [1,2]	0.700 ± 0.400 [1,2]	0.720 ± 0.389 [1,2]
yeast-1-4-5-8-vs-7	0.003 ± 0.023 [−]	0.007 ± 0.032 [−]	0.437 ± 0.179 [1,2]	0.720 ± 0.189 [1,2,3,5]	0.447 ± 0.180 [1,2]	0.730 ± 0.162 [1,2,3,5]
ecoli-0-1-4-7-vs-5-6	0.652 ± 0.191 [−]	0.676 ± 0.191 [−]	0.792 ± 0.178 [1,2]	0.800 ± 0.183 [1,2]	0.812 ± 0.157 [1,2]	0.832 ± 0.156 [1,2]
yeast-2-vs-8	0.500 ± 0.250 [−]	0.500 ± 0.250 [−]	0.555 ± 0.219 [1,2]	0.570 ± 0.223 [1,2]	0.550 ± 0.229 [1,2]	0.585 ± 0.242 [1,2]
yeast-0-2-5-7-9-vs-3-6-8	0.760 ± 0.092 [−]	0.767 ± 0.087 [−]	0.819 ± 0.078 [1,2]	0.818 ± 0.078 [1,2]	0.823 ± 0.073 [1,2]	0.828 ± 0.078 [1,2]
glass2	0.125 ± 0.157 [−]	0.132 ± 0.159 [−]	0.715 ± 0.191 [1,2]	0.908 ± 0.150 [1,2,3,5]	0.738 ± 0.209 [1,2]	0.892 ± 0.168 [1,2,3,5]

Table 7: Results for Recall metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	1.939 [−]	2.707 [1]	2.902 [−]	4.671 [1,2,3,5]	3.427 [1,3]	5.354 [all]

Table 8: Results for mean ranks according to Recall metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass-0-1-6-vs-2	0.566 ± 0.108 [–]	0.569 ± 0.107 [–]	0.722 ± 0.119 [1,2,4]	0.682 ± 0.111 [1,2]	0.746 ± 0.105 [1,2,4]	0.736 ± 0.080 [1,2,4]
ecoli-0-3-4-7-vs-5-6	0.855 ± 0.086 [–]	0.865 ± 0.082 [–]	0.888 ± 0.081 [1,2]	0.892 ± 0.077 [1,2]	0.884 ± 0.077 [1,2]	0.895 ± 0.079 [1,2]
shuttle-c2-vs-c4	0.990 ± 0.048 [3,4,5,6]	0.990 ± 0.048 [3,4,5,6]	0.910 ± 0.178 [–]	0.923 ± 0.167 [1]	0.910 ± 0.178 [–]	0.923 ± 0.167 [1,2]
glass-0-1-4-6-vs-2	0.561 ± 0.095 [3,4,5,6]	0.565 ± 0.097 [3,4,5,6]	0.739 ± 0.111 [–]	0.688 ± 0.080 [–]	0.730 ± 0.123 [–]	0.739 ± 0.096 [–]
yeast-1-2-8-9-vs-7	0.534 ± 0.050 [–]	0.544 ± 0.053 [–]	0.670 ± 0.080 [1,2,4]	0.693 ± 0.093 [1,2]	0.676 ± 0.076 [1,2,4]	0.713 ± 0.072 [1,2,4]
ecoli-0-1-4-6-vs-5	0.842 ± 0.092 [–]	0.847 ± 0.087 [–]	0.894 ± 0.078 [1,2]	0.893 ± 0.074 [1,2]	0.902 ± 0.077 [1,2]	0.903 ± 0.075 [1,2,3,5]
glass-0-1-6-vs-5	0.914 ± 0.143 [–]	0.929 ± 0.138 [–]	0.879 ± 0.151 [1,2,4]	0.866 ± 0.139 [1,2]	0.899 ± 0.150 [1,2,4]	0.900 ± 0.139 [1,2,5]
yeast-2-vs-4	0.831 ± 0.072 [3,4]	0.831 ± 0.069 [3,4,6]	0.851 ± 0.067 [4]	0.873 ± 0.073 [–]	0.852 ± 0.067 [3,4]	0.872 ± 0.071 [4,5]
glass-0-6-vs-5	0.913 ± 0.157 [–]	0.913 ± 0.157 [–]	0.798 ± 0.185 [1,2]	0.793 ± 0.171 [1,2]	0.810 ± 0.188 [1,2]	0.828 ± 0.184 [1,2,3,5]
ecoli-0-3-4-6-vs-5	0.844 ± 0.124 [3,4,5,6]	0.849 ± 0.123 [3,4,5,6]	0.898 ± 0.095 [4]	0.903 ± 0.097 [–]	0.903 ± 0.089 [4]	0.906 ± 0.090 [4,5]
yeast-0-3-5-9-vs-7-8	0.600 ± 0.053 [–]	0.606 ± 0.052 [–]	0.662 ± 0.069 [1,2]	0.684 ± 0.071 [1,2]	0.668 ± 0.072 [1,2]	0.707 ± 0.061 [1,2]
glass-0-1-5-vs-2	0.556 ± 0.107 [–]	0.563 ± 0.108 [–]	0.720 ± 0.128 [1,2]	0.676 ± 0.097 [1,2,3,5]	0.715 ± 0.119 [1,2]	0.686 ± 0.100 [all]
ecoli-0-6-7-vs-5	0.871 ± 0.115 [–]	0.871 ± 0.115 [–]	0.871 ± 0.098 [1,2,4,6]	0.870 ± 0.104 [1,2]	0.873 ± 0.100 [1,2,4,6]	0.876 ± 0.103 [1,2]
ecoli-0-2-3-4-vs-5	0.852 ± 0.092 [4]	0.857 ± 0.089 [4]	0.906 ± 0.080 [4]	0.902 ± 0.082 [–]	0.908 ± 0.078 [4]	0.910 ± 0.078 [5]
ecoli4	0.876 ± 0.099 [–]	0.884 ± 0.100 [–]	0.917 ± 0.088 [1,2,4]	0.925 ± 0.081 [1,2]	0.927 ± 0.091 [1,2]	0.929 ± 0.090 [1,2]
yeast5	0.816 ± 0.063 [–]	0.826 ± 0.066 [–]	0.941 ± 0.051 [1,2]	0.951 ± 0.040 [1,2]	0.939 ± 0.052 [1,2]	0.943 ± 0.047 [1,2,5]
ecoli-0-4-6-vs-5	0.847 ± 0.102 [–]	0.849 ± 0.100 [–]	0.897 ± 0.084 [1,2,5]	0.895 ± 0.085 [1,2]	0.906 ± 0.082 [1,2]	0.908 ± 0.083 [1,2,5]
led7digit-0-2-4-5-6-7-8-9-vs-1	0.885 ± 0.071 [–]	0.883 ± 0.070 [–]	0.651 ± 0.089 [1,2]	0.904 ± 0.070 [1,2]	0.650 ± 0.093 [1,2]	0.900 ± 0.077 [1,2]
ecoli-0-1-vs-5	0.854 ± 0.101 [3,5]	0.861 ± 0.101 [3,5]	0.902 ± 0.076 [–]	0.907 ± 0.072 [1,2,3,5]	0.909 ± 0.076 [–]	0.911 ± 0.078 [3,5]
ecoli-0-2-6-7-vs-3-5	0.841 ± 0.108 [–]	0.844 ± 0.107 [–]	0.839 ± 0.106 [1,2]	0.841 ± 0.104 [1,2]	0.841 ± 0.099 [1,2]	0.829 ± 0.104 [1,2]
ecoli-0-1-4-7-vs-2-3-5-6	0.808 ± 0.100 [6]	0.815 ± 0.098 [6]	0.861 ± 0.085 [6]	0.845 ± 0.086 [6]	0.860 ± 0.083 [6]	0.847 ± 0.082 [–]
shuttle-c0-vs-c4	1.000 ± 0.000 [–]	1.000 ± 0.000 [–]	0.998 ± 0.006 [1,2,4,6]	0.998 ± 0.006 [1,2]	0.998 ± 0.006 [1,2,4,6]	0.998 ± 0.006 [1,2]
ecoli-0-6-7-vs-3-5	0.841 ± 0.111 [–]	0.843 ± 0.110 [–]	0.829 ± 0.105 [–]	0.841 ± 0.105 [–]	0.830 ± 0.105 [–]	0.830 ± 0.106 [–]
vowel0	0.959 ± 0.028 [3,4,5,6]	0.960 ± 0.029 [3,4,5,6]	0.823 ± 0.062 [–]	0.877 ± 0.066 [6]	0.808 ± 0.068 [–]	0.860 ± 0.070 [5]
glass4	0.826 ± 0.125 [3,4,5,6]	0.829 ± 0.119 [3,4,5,6]	0.790 ± 0.147 [–]	0.798 ± 0.133 [3,5]	0.805 ± 0.152 [–]	0.861 ± 0.112 [3,5]
yeast-0-5-6-7-9-vs-4	0.665 ± 0.068 [–]	0.666 ± 0.069 [3]	0.791 ± 0.046 [–]	0.794 ± 0.048 [–]	0.791 ± 0.048 [3,4]	0.797 ± 0.054 [3,4]
yeast-0-2-5-6-vs-3-7-8-9	0.733 ± 0.043 [–]	0.736 ± 0.040 [–]	0.771 ± 0.057 [1,2]	0.773 ± 0.053 [1,2]	0.775 ± 0.055 [1,2]	0.773 ± 0.058 [1,2]
ecoli-0-1-vs-2-3-5	0.808 ± 0.108 [–]	0.812 ± 0.111 [–]	0.859 ± 0.088 [1,2]	0.851 ± 0.092 [1,2]	0.859 ± 0.089 [1,2]	0.858 ± 0.094 [1,2]
ecoli-0-3-4-vs-5	0.867 ± 0.119 [–]	0.869 ± 0.118 [–]	0.908 ± 0.108 [1,2,4,6]	0.910 ± 0.106 [1,2]	0.910 ± 0.113 [1,2,4,6]	0.911 ± 0.110 [1,2]
glass5	0.883 ± 0.166 [–]	0.898 ± 0.165 [–]	0.909 ± 0.142 [1]	0.910 ± 0.111 [1]	0.912 ± 0.143 [1]	0.925 ± 0.123 [1]
yeast4	0.593 ± 0.062 [–]	0.598 ± 0.064 [–]	0.776 ± 0.077 [3]	0.827 ± 0.063 [4]	0.769 ± 0.079 [–]	0.829 ± 0.061 [3,4,5]
glass-0-4-vs-5	0.992 ± 0.016 [–]	0.992 ± 0.016 [–]	0.896 ± 0.163 [1,2]	0.912 ± 0.150 [1,2,3,5]	0.898 ± 0.161 [1,2]	0.915 ± 0.151 [1,2,3,5]
yeast6	0.732 ± 0.086 [3,4,5,6]	0.733 ± 0.085 [3,4,5,6]	0.837 ± 0.086 [–]	0.847 ± 0.071 [–]	0.834 ± 0.084 [–]	0.840 ± 0.083 [–]
page-blocks-1-3-vs-4	0.980 ± 0.052 [–]	0.980 ± 0.052 [–]	0.723 ± 0.113 [1,2,5]	0.815 ± 0.124 [1,2]	0.807 ± 0.099 [1,2]	0.885 ± 0.090 [1,2]
yeast-1-vs-7	0.550 ± 0.050 [3,4,5,6]	0.565 ± 0.062 [3,4,5,6]	0.686 ± 0.111 [3]	0.728 ± 0.085 [3]	0.665 ± 0.102 [3]	0.713 ± 0.095 [3,4,5]
ecoli-0-1-3-7-vs-2-6	0.664 ± 0.210 [–]	0.683 ± 0.211 [–]	0.837 ± 0.199 [1,2,5]	0.832 ± 0.196 [1,2,3,5]	0.831 ± 0.199 [1,2]	0.830 ± 0.189 [1,2,5]
yeast-1-4-5-8-vs-7	0.501 ± 0.011 [–]	0.503 ± 0.016 [–]	0.624 ± 0.093 [all]	0.651 ± 0.089 [1,2,6]	0.630 ± 0.093 [1,2,6]	0.658 ± 0.081 [1,2]
ecoli-0-1-4-7-vs-5-6	0.823 ± 0.095 [–]	0.834 ± 0.095 [–]	0.891 ± 0.088 [1,2]	0.889 ± 0.091 [1,2]	0.900 ± 0.078 [1,2]	0.903 ± 0.077 [1,2,3]
yeast-2-vs-8	0.749 ± 0.124 [–]	0.749 ± 0.124 [–]	0.776 ± 0.110 [1,2,4]	0.780 ± 0.114 [1,2]	0.773 ± 0.114 [1,2,4]	0.773 ± 0.113 [1,2,5]
yeast-0-2-5-7-9-vs-3-6-8	0.872 ± 0.046 [–]	0.876 ± 0.044 [–]	0.900 ± 0.039 [1,2,6]	0.897 ± 0.039 [6]	0.902 ± 0.037 [6]	0.901 ± 0.038 [–]
glass2	0.556 ± 0.078 [–]	0.557 ± 0.078 [–]	0.746 ± 0.099 [1,2]	0.705 ± 0.084 [1,2]	0.755 ± 0.116 [1,2,4]	0.752 ± 0.088 [1,2,4]

Table 9: Results for AUC metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	2.122 [–]	2.878 [1]	3.341 [1]	3.902 [1,2,3]	3.878 [1,3]	4.878 [all]

Table 10: Results for mean ranks according to AUC metric

Table 11: Results for GMEAN metric (significance markers printed above each value; the markers above a row belong to the dataset in the row above it, as in the source)

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass-0-1-6-vs-2	0.232 ± 0.303	0.243 ± 0.305	0.704 ± 0.154	0.637 ± 0.128	0.735 ± 0.111	0.703 ± 0.081
ecoli-0-3-4-7-vs-5-6	[—] 0.838 ± 0.104	[—] 0.850 ± 0.097	[1,2,4] 0.878 ± 0.094	[1,2] 0.884 ± 0.085	[1,2,4,6] 0.875 ± 0.087	[1,2,4] 0.888 ± 0.086
shuttle-c2-vs-c4	[—] 0.988 ± 0.057	[—] 0.988 ± 0.057	[1] 0.837 ± 0.346	[1] 0.861 ± 0.325	[1] 0.837 ± 0.346	[1,2] 0.861 ± 0.325
glass-0-1-4-6-vs-2	[3,4,5,6] 0.222 ± 0.290	[3,4,5,6] 0.245 ± 0.294	[—] 0.729 ± 0.119	[—] 0.640 ± 0.085	[—] 0.711 ± 0.160	[1,2] 0.712 ± 0.098
yeast-1-2-8-9-vs-7	[—] 0.157 ± 0.212	[—] 0.201 ± 0.222	[1,2,4] 0.617 ± 0.119	[1,2] 0.684 ± 0.106	[1,2,4] 0.628 ± 0.113	[1,2,4] 0.708 ± 0.070
ecoli-0-1-4-6-vs-5	[—] 0.820 ± 0.116	[—] 0.827 ± 0.107	[1,2] 0.885 ± 0.089	[1,2,3,5] 0.884 ± 0.084	[1,2] 0.893 ± 0.088	[1,2,3,5] 0.896 ± 0.084
glass-0-1-6-vs-5	[—] 0.876 ± 0.249	[—] 0.893 ± 0.247	[1,2,4] 0.838 ± 0.248	[1,2] 0.836 ± 0.213	[1,2,4] 0.861 ± 0.250	[1,2,5] 0.872 ± 0.218
yeast-2-vs-4	[3,4] 0.812 ± 0.092	[3,4,6] 0.813 ± 0.086	[4] 0.836 ± 0.078	[—] 0.862 ± 0.084	[3,4] 0.838 ± 0.079	[4,5] 0.862 ± 0.081
glass-0-6-vs-5	[—] 0.868 ± 0.276	[—] 0.868 ± 0.276	[1,2] 0.695 ± 0.350	[1,2] 0.736 ± 0.280	[1,2] 0.718 ± 0.341	[1,2,3,5] 0.762 ± 0.312
ecoli-0-3-4-6-vs-5	[3,4,5,6] 0.817 ± 0.159	[3,4,5,6] 0.823 ± 0.155	[—] 0.889 ± 0.108	[3] 0.894 ± 0.110	[—] 0.895 ± 0.099	[4] 0.899 ± 0.100
yeast-0-3-5-9-vs-7-8	[—] 0.435 ± 0.145	[—] 0.454 ± 0.134	[1,2] 0.578 ± 0.140	[1,2] 0.638 ± 0.136	[1,2] 0.599 ± 0.135	[1,2] 0.697 ± 0.067
glass-0-1-5-vs-2	[—] 0.196 ± 0.295	[—] 0.227 ± 0.300	[1,2] 0.701 ± 0.160	[1,2,3,5] 0.633 ± 0.091	[1,2] 0.695 ± 0.152	[all] 0.650 ± 0.099
ecoli-0-6-7-vs-5	[—] 0.852 ± 0.142	[—] 0.852 ± 0.142	[1,2,4,6] 0.856 ± 0.117	[1,2] 0.857 ± 0.121	[1,2,4,6] 0.859 ± 0.119	[1,2] 0.864 ± 0.120
ecoli-0-2-3-4-vs-5	[—] 0.834 ± 0.114	[—] 0.840 ± 0.111	[—] 0.898 ± 0.090	[1,2,3] 0.895 ± 0.091	[4] 0.902 ± 0.087	[5] 0.903 ± 0.087
ecoli4	[—] 0.859 ± 0.122	[—] 0.868 ± 0.123	[1,2,4] 0.908 ± 0.101	[1,2] 0.918 ± 0.092	[1,2] 0.919 ± 0.108	[1,2] 0.921 ± 0.107
yeast5	[—] 0.792 ± 0.078	[—] 0.804 ± 0.081	[1,2] 0.938 ± 0.055	[1,2] 0.949 ± 0.042	[1,2] 0.936 ± 0.056	[1,2,5] 0.941 ± 0.050
ecoli-0-4-6-vs-5	[—] 0.825 ± 0.129	[—] 0.827 ± 0.127	[1,2] 0.889 ± 0.094	[1,2] 0.887 ± 0.095	[1,2] 0.900 ± 0.090	[1,2,5] 0.902 ± 0.091
led7digit-0-2-4-5-6-7-8-9-vs-1	[—] 0.878 ± 0.079	[—] 0.877 ± 0.078	[1,2] 0.525 ± 0.202	[1,2] 0.898 ± 0.078	[1,2] 0.529 ± 0.196	[1,2] 0.892 ± 0.093
ecoli-0-1-vs-5	[3,5] 0.832 ± 0.129	[3,5] 0.842 ± 0.125	[—] 0.893 ± 0.087	[1,2,3,5] 0.900 ± 0.080	[—] 0.901 ± 0.085	[3,5] 0.903 ± 0.087
ecoli-0-2-6-7-vs-3-5	[—] 0.816 ± 0.138	[—] 0.820 ± 0.137	[—] 0.817 ± 0.133	[1,2] 0.824 ± 0.126	[1,2] 0.821 ± 0.123	[—] 0.814 ± 0.123
ecoli-0-1-4-7-vs-2-3-5-6	[6] 0.776 ± 0.135	[6] 0.785 ± 0.133	[6] 0.845 ± 0.105	[6] 0.832 ± 0.102	[6] 0.845 ± 0.100	[—] 0.835 ± 0.095
shuttle-c0-vs-c4	[—] 1.000 ± 0.000	[—] 1.000 ± 0.000	[1,2,4,6] 0.998 ± 0.006	[1,2] 0.998 ± 0.006	[1,2,4,6] 0.998 ± 0.006	[1,2] 0.998 ± 0.006
ecoli-0-6-7-vs-3-5	[3,5] 0.810 ± 0.170	[3,5] 0.813 ± 0.169	[—] 0.805 ± 0.130	[1,2,6] 0.823 ± 0.126	[—] 0.808 ± 0.128	[1,2,5] 0.814 ± 0.126
vowel0	[3,4,5,6] 0.958 ± 0.030	[3,4,5,6] 0.959 ± 0.031	[—] 0.802 ± 0.078	[3,5] 0.866 ± 0.079	[—] 0.782 ± 0.085	[3,5] 0.845 ± 0.084
glass4	[—] 0.789 ± 0.181	[3] 0.795 ± 0.174	[—] 0.732 ± 0.252	[5] 0.767 ± 0.182	[3] 0.749 ± 0.258	[3,4] 0.847 ± 0.128
yeast-0-5-6-7-9-vs-4	[—] 0.574 ± 0.121	[—] 0.576 ± 0.122	[1,2] 0.780 ± 0.054	[1,2] 0.786 ± 0.052	[1,2] 0.780 ± 0.056	[1,2] 0.789 ± 0.057
yeast-0-2-5-6-vs-3-7-8-9	[—] 0.686 ± 0.061	[—] 0.691 ± 0.057	[1,2] 0.741 ± 0.076	[1,2] 0.749 ± 0.071	[1,2] 0.746 ± 0.074	[1,2] 0.754 ± 0.073
ecoli-0-1-vs-2-3-5	[—] 0.775 ± 0.144	[—] 0.780 ± 0.147	[1,2] 0.841 ± 0.107	[1,2] 0.837 ± 0.109	[1,2] 0.841 ± 0.108	[1,2] 0.844 ± 0.111
ecoli-0-3-4-vs-5	[—] 0.846 ± 0.147	[—] 0.849 ± 0.145	[1,2,4] 0.896 ± 0.131	[1,2] 0.898 ± 0.129	[1,2,4] 0.891 ± 0.170	[1,2,3,5] 0.893 ± 0.167
glass5	[—] 0.822 ± 0.301	[—] 0.839 ± 0.302	[1] 0.871 ± 0.247	[1] 0.894 ± 0.165	[—] 0.873 ± 0.248	[1] 0.901 ± 0.207
yeast4	[—] 0.397 ± 0.183	[—] 0.411 ± 0.178	[1,2] 0.751 ± 0.099	[3,5] 0.822 ± 0.069	[1,2] 0.741 ± 0.104	[3,4,5] 0.825 ± 0.065
glass-0-4-vs-5	[—] 0.991 ± 0.017	[—] 0.991 ± 0.017	[1,2] 0.848 ± 0.279	[1,2,3,5] 0.875 ± 0.249	[1,2] 0.849 ± 0.279	[1,2,3,5] 0.878 ± 0.250
yeast6	[3,4,5,6] 0.669 ± 0.134	[3,4,5,6] 0.672 ± 0.132	[—] 0.819 ± 0.108	[—] 0.839 ± 0.083	[—] 0.815 ± 0.105	[—] 0.827 ± 0.102
page-blocks-1-3-vs-4	[—] 0.978 ± 0.057	[—] 0.978 ± 0.057	[1,2,5] 0.632 ± 0.227	[1,2] 0.775 ± 0.188	[1,2] 0.773 ± 0.131	[1,2] 0.872 ± 0.105
yeast-1-vs-7	[3,4,5,6] 0.238 ± 0.214	[3,4,5,6] 0.282 ± 0.230	[—] 0.655 ± 0.137	[3] 0.718 ± 0.086	[3] 0.629 ± 0.153	[3,4,5] 0.699 ± 0.098
ecoli-0-1-3-7-vs-2-6	[—] 0.367 ± 0.441	[—] 0.415 ± 0.443	[1,2,5] 0.731 ± 0.381	[1,2,3,5] 0.726 ± 0.379	[1,2] 0.727 ± 0.379	[1,2,3,5] 0.736 ± 0.361
yeast-1-4-5-8-vs-7	[—] 0.008 ± 0.057	[—] 0.016 ± 0.079	[1,2,4,5] 0.578 ± 0.144	[1,2] 0.638 ± 0.090	[1,2] 0.585 ± 0.145	[all] 0.648 ± 0.076
ecoli-0-1-4-7-vs-5-6	[—] 0.795 ± 0.125	[—] 0.810 ± 0.124	[1,2] 0.879 ± 0.103	[1,2,3,5] 0.877 ± 0.110	[1,2] 0.891 ± 0.087	[1,2,3,5] 0.896 ± 0.085
yeast-2-vs-8	[—] 0.668 ± 0.227	[—] 0.668 ± 0.227	[1,2,4] 0.728 ± 0.153	[1,2] 0.735 ± 0.157	[1,2,4] 0.718 ± 0.181	[1,2,5] 0.725 ± 0.178
yeast-0-2-5-7-9-vs-3-6-8	[—] 0.863 ± 0.053	[—] 0.868 ± 0.050	[1,2,6] 0.895 ± 0.043	[6] 0.892 ± 0.043	[—] 0.897 ± 0.040	[5] 0.897 ± 0.042
glass2	[—] 0.221 ± 0.272	[—] 0.232 ± 0.274	[1,2] 0.731 ± 0.139	[1,2] 0.669 ± 0.080	[1,2] 0.741 ± 0.152	[1,2] 0.732 ± 0.090

Final significance markers (printed below glass2, belonging to glass2): OSB [—], OKNORAU [—], TBAC [1,2,4], TBAW [1,2], OTBAC [1,2,4], OTBAW [1,2,4]

Table 11: Results for GMEAN metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	2.000	2.780	3.317	4.122	3.756	5.024
	[—]	[1]	[1]	[1,2,3]	[1,2,3]	[all]

Table 12: Results for mean ranks according to GMEAN metric

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