Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass4	0.771 ± 0.138	0.778 ± 0.139	0.764 ± 0.160	0.732 ± 0.157	0.802 ± 0.157	0.779 ± 0.161
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.777 ± 0.117	0.873 ± 0.092	0.902 ± 0.078	0.898 ± 0.079	$0.900 \stackrel{4,6}{\pm} 0.079$	0.893 ± 0.080
glass-0-1-6-vs-2	0.593 ± 0.096	$0.587 \stackrel{1}{\pm} 0.128$	0.698 ± 0.127	0.601 ± 0.127	0.709 ± 0.115	$0.628 \overset{1,2}{\pm} 0.122$
ecoli- 0 - 1 - vs - 5	0.830 ± 0.152	0.891 ± 0.088	0.893 ± 0.080	0.893 ± 0.080	0.895 ± 0.082	$0.900 \overset{1,2}{\pm} 0.076$
yeast-1-4-5-8- vs -7	0.544 ± 0.022	0.574 ± 0.045	0.629 ± 0.098	0.588 ± 0.071	$0.628 \stackrel{1,2}{\pm} 0.098$	0.592 ± 0.079
ecoli4	0.891 ± 0.068	0.922 ± 0.079	0.933 ± 0.082	0.932 ± 0.079	0.934 ± 0.080	0.932 ± 0.077
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	0.859 ± 0.067	$0.876 \stackrel{1}{\pm} 0.070$	0.654 ± 0.090	$0.859 \overset{1,2}{\pm} 0.118$	0.653 ± 0.090	0.852 ± 0.123
glass5	0.915 ± 0.149	0.915 ± 0.149	0.908 ± 0.155	0.908 ± 0.155	0.908 ± 0.155	0.908 ± 0.154
ecoli-0-3-4-6- vs -5	0.797 ± 0.121	0.884 ± 0.110	$0.898 \stackrel{-}{\pm} 0.090$	0.896 ± 0.094	$0.900 \stackrel{-}{\pm} 0.090$	$0.891 \stackrel{-}{\pm} 0.097$
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.502 ± 0.022	0.612 ± 0.146	0.794 ± 0.049	0.708 ± 0.119	0.805 ± 0.049	0.714 ± 0.129
yeast6	0.653 ± 0.044	$0.722 \stackrel{1}{\pm} 0.072$	0.885 ± 0.056	0.857 ± 0.068	0.885 ± 0.056	$0.870 \stackrel{1,2}{\pm} 0.062$
ecoli-0-6-7-vs-5	0.834 ± 0.111	$0.870 \stackrel{1}{\pm} 0.112$	0.869 ± 0.093	0.860 ± 0.091	0.874 ± 0.096	0.863 ± 0.099
$glass\hbox{-}0\hbox{-}1\hbox{-}6\hbox{-}vs\hbox{-}5$	0.920 ± 0.142	$0.920 \stackrel{1}{\pm} 0.142$	0.886 ± 0.150	0.886 ± 0.150	0.886 ± 0.150	0.886 ± 0.150
ecoli-0-1-3-7- vs -2-6	0.844 ± 0.198	0.845 ± 0.199	0.847 ± 0.203	0.843 ± 0.202	0.844 ± 0.203	0.842 ± 0.202
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.767 ± 0.058	0.769 ± 0.048	0.694 ± 0.056	0.651 ± 0.049	0.772 ± 0.053	0.738 ± 0.069
ecoli-0-1-4-7-vs-5-6	0.816 ± 0.131	0.862 ± 0.112	0.838 ± 0.104	0.846 ± 0.090	0.871 ± 0.104	0.892 ± 0.081
yeast5	0.798 ± 0.035	0.841 ± 0.029	0.975 ± 0.021	0.973 ± 0.025	$0.976 \stackrel{1}{\pm} 0.020$	0.973 ± 0.027
shuttle- $c2$ - vs - $c4$	0.937 ± 0.154	$0.938 \stackrel{1}{\pm} 0.154$	0.915 ± 0.184	0.912 ± 0.184	0.920 ± 0.176	0.917 ± 0.176
ecoli-0-1-4-7- vs -2-3-5-6	0.661 ± 0.120	0.713 ± 0.126	0.689 ± 0.118	0.728 ± 0.115 1.3	0.769 ± 0.129 $1,2,3,4$	0.794 ± 0.123 $1,2,3,4$
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.545 ± 0.037	0.606 ± 0.084	0.695 ± 0.073 $1,2,4,6$	0.628 ± 0.076	0.698 ± 0.075	0.653 ± 0.087
yeast-1- vs -7	0.581 ± 0.047	0.648 ± 0.094	0.680 ± 0.100 $1,4,5$	0.650 ± 0.078	0.674 ± 0.096	0.659 ± 0.086
yeast-1-2-8-9- vs -7	0.538 ± 0.024	0.573 ± 0.054	0.687 ± 0.090 $1,2,4,6$	0.613 ± 0.068	0.687 ± 0.089 $1,2,4,6$	0.626 ± 0.078 $1,2,4$
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.881 ± 0.088	0.892 ± 0.090	0.899 ± 0.080 $1,2,4,6$	0.894 ± 0.082	0.905 ± 0.078 $1,2,6$	0.899 ± 0.084
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.527 ± 0.112	0.578 ± 0.135	0.685 ± 0.115 $1,2,4,6$	0.581 ± 0.105	0.700 ± 0.117 $1,2,4,6$	0.594 ± 0.106
yeast-2- vs -4	0.556 ± 0.098	0.750 ± 0.171	0.868 ± 0.066 $1,2,4$	0.836 ± 0.091	0.870 ± 0.060 $1,2,4,6$	0.843 ± 0.098 1.2
glass-0-6-vs-5	0.936 ± 0.136	0.936 ± 0.136	0.875 ± 0.175	0.875 ± 0.175	0.875 ± 0.175	$0.875\overset{1,2}{\pm}0.174$
glass2	0.624 ± 0.094	0.614 ± 0.124	0.718 ± 0.115 $1,2,4,6$	0.635 ± 0.115	0.738 ± 0.116 $1,2,4,6$	0.660 ± 0.095 $1,2$
yeast-2- vs -8	0.640 ± 0.096	0.765 ± 0.086 ₁	0.782 ± 0.111	0.772 ± 0.098	0.799 ± 0.105 $1,2,6$	0.784 ± 0.096 1.2
vowel0	0.902 ± 0.026	0.916 ± 0.025 $1,3,4,6$	0.887 ± 0.058	0.881 ± 0.054	0.930 ± 0.048	0.903 ± 0.043
glass-0-4-vs-5	0.940 ± 0.112	0.940 ± 0.112	0.935 ± 0.120	0.935 ± 0.120	0.940 ± 0.117	0.940 ± 0.117
$glass\hbox{-}0\hbox{-}1\hbox{-}4\hbox{-}6\hbox{-}vs\hbox{-}2$	0.592 ± 0.131	0.594 ± 0.146	0.695 ± 0.118 $1,2,4,6$	0.628 ± 0.115	0.721 ± 0.106 $1,2,4,6$	0.642 ± 0.094
yeast4	0.530 ± 0.030	0.561 ± 0.047	0.811 ± 0.065	0.675 ± 0.102	0.812 ± 0.064	0.667 ± 0.119
ecoli-0-4-6- vs -5	0.873 ± 0.107	0.892 ± 0.101	0.901 ± 0.083	0.896 ± 0.087	0.899 ± 0.083	0.900 ± 0.084
page-blocks-1-3-vs-4	0.776 ± 0.104	0.817 ± 0.127	0.754 ± 0.092	0.757 ± 0.092	0.779 ± 0.108	0.756 ± 0.091
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.541 ± 0.052	0.641 ± 0.131	0.886 ± 0.032	0.831 ± 0.088	0.886 ± 0.033 $_{1,2,4}$	$0.881 \pm 0.055 \\ 1,2,4$
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.605 ± 0.156	0.752 ± 0.163	0.719 ± 0.136	0.765 ± 0.130 1.3	0.778 ± 0.159	0.820 ± 0.134
ecoli-0-6-7- vs -3-5	0.620 ± 0.167	0.618 ± 0.168	0.586 ± 0.121	0.600 ± 0.130	0.677 ± 0.122	0.650 ± 0.148 $1,2,3,4$
ecoli-0-3-4-7-vs-5-6	0.833 ± 0.127	0.885 ± 0.084	0.872 ± 0.080	0.883 ± 0.086	0.884 ± 0.077	0.892 ± 0.075
ecoli-0-2-6-7-vs-3-5	0.617 ± 0.158	0.626 ± 0.154	0.599 ± 0.118	0.596 ± 0.121	0.693 ± 0.108 all	0.656 ± 0.140 $1,3,4$
shuttle-c0-vs-c4	0.989 ± 0.012	0.989 ± 0.012	0.992 ± 0.012 $1,2$	0.992 ± 0.012	0.992 ± 0.012 $1,2$	0.992 ± 0.012 $1,2$
ecoli-0-3-4- vs -5	0.803 ± 0.128	0.890 ± 0.109	0.908 ± 0.104 $1,2,4,6$	$\begin{array}{c} 1,2\\ 0.903 \pm 0.102\\ 1,2 \end{array}$	0.907 ± 0.104 $1,2,6$	0.901 ± 0.102 $1,2$
		1	1,2,4,0	1,2	1,2,0	1,4

Table 1: Results for BAC metric

OSB (1) OKNORAU (2) TBAC (3) TBAW (4) OTBAC (5) OTBAW (6)							
Mean rank	2.049	3.110	3.939	2.866	5.122	3.915	
	_	1	1,2,4	1	all	1,4	

Table 2: Results for mean ranks according to BAC metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass4	0.395 ± 0.190	0.451 ± 0.204	0.470 ± 0.236	0.400 ± 0.208	0.513 ± 0.218	0.459 ± 0.224
ecoli-0-2-3-4- vs -5	0.492 ± 0.237	0.682 ± 0.199	0.796 ± 0.127	0.771 ± 0.132	0.779 ± 0.132	$0.748 \stackrel{-}{\pm} 0.144$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.196 ± 0.050	$0.197 \stackrel{1}{\pm} 0.070$	0.293 ± 0.106	0.202 ± 0.074	0.300 ± 0.099	$0.222 \overset{1,2}{\pm} 0.085$
ecoli-0-1-vs-5	0.682 ± 0.285	0.819 ± 0.127	0.857 ± 0.110	0.855 ± 0.110	0.858 ± 0.115	$0.862 \stackrel{1,2}{\pm} 0.110$
yeast-1-4-5-8- vs -7	0.090 ± 0.004	$0.097 \stackrel{1}{\pm} 0.009$	0.144 ± 0.052	0.111 ± 0.036	0.143 ± 0.052	0.115 ± 0.042
ecoli4	0.449 ± 0.135	0.653 ± 0.208	0.798 ± 0.169	0.759 ± 0.176	0.764 ± 0.161	0.724 ± 0.171
led7digit-0-2-4-5-6-7-8-9-vs-1	0.532 ± 0.103	$0.630 \stackrel{1}{\pm} 0.152$	0.389 ± 0.173	0.579 ± 0.176	0.386 ± 0.173	0.561 ± 0.172
glass5	0.721 ± 0.256	$0.721 \stackrel{all}{\pm} 0.256$	0.809 ± 0.278	0.809 ± 0.278	0.809 ± 0.278	$0.805 \overset{3.5}{\pm} 0.276$
ecoli- 0 - 3 - 4 - 6 - vs - 5	0.467 ± 0.189	0.697 ± 0.211	0.768 ± 0.154	0.761 ± 0.169	0.765 ± 0.152	0.745 ± 0.175
yeast-0-5-6-7-9-vs-4	0.176 ± 0.007	$0.268 \stackrel{1}{\pm} 0.131$	0.443 ± 0.074	0.364 ± 0.126	0.444 ± 0.076	0.354 ± 0.119
yeast6	0.067 ± 0.009	$0.093 \stackrel{1}{\pm} 0.032$	0.368 ± 0.050	0.274 ± 0.125	0.365 ± 0.052	0.297 ± 0.122
ecoli-0-6-7-vs-5	0.518 ± 0.166	$0.662 \stackrel{1}{\pm} 0.207$	$0.741 \stackrel{all}{\pm} 0.156$	0.699 ± 0.162	0.731 ± 0.155	0.690 ± 0.173
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.798 ± 0.259	0.798 ± 0.259	0.776 ± 0.267	0.776 ± 0.267	0.776 ± 0.267	0.776 ± 0.267
ecoli-0-1-3-7-vs-2-6	0.593 ± 0.344	$0.615 \stackrel{-}{\pm} 0.357$	0.696 ± 0.380	0.618 ± 0.358	0.659 ± 0.370	0.609 ± 0.357
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.586 ± 0.090	0.592 ± 0.076	0.512 ± 0.112	0.428 ± 0.102	$0.618 \stackrel{1}{\pm} 0.087$	0.566 ± 0.115
ecoli-0-1-4-7-vs-5-6	0.645 ± 0.223	0.735 ± 0.189	$0.752 \stackrel{4}{\pm} 0.180$	0.752 ± 0.140	$0.776 \stackrel{all}{\pm} 0.182$	0.789 ± 0.141
yeast5	0.136 ± 0.022	0.168 ± 0.028	0.613 ± 0.067	0.605 ± 0.088	0.614 ± 0.067	0.606 ± 0.091
shuttle-c2-vs-c4	0.866 ± 0.312	0.868 ± 0.309	0.833 ± 0.366	0.789 ± 0.363	0.847 ± 0.347	0.803 ± 0.345
ecoli-0-1-4-7-vs-2-3-5-6	0.432 ± 0.240	0.533 ± 0.233	0.500 ± 0.242	0.574 ± 0.213	$0.645 \stackrel{-}{\pm} 0.231$	0.656 ± 0.207
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.200 ± 0.044	$0.269 \stackrel{1}{\pm} 0.119$	$0.365 \stackrel{1}{\pm} 0.094$	0.300 ± 0.110	0.362 ± 0.101	0.321 ± 0.114
yeast-1-vs-7	0.144 ± 0.015	$0.190 \stackrel{1}{\pm} 0.064$	0.236 ± 0.077	0.188 ± 0.060	0.228 ± 0.066	0.193 ± 0.055
yeast-1-2-8-9-vs-7	0.066 ± 0.003	$0.072 \stackrel{1}{\pm} 0.008$	0.170 ± 0.058	0.102 ± 0.051	0.170 ± 0.058	$0.114 \stackrel{1}{\pm} 0.059$
ecoli-0-1-4-6-vs-5	0.626 ± 0.173	$0.712 \stackrel{1}{\pm} 0.180$	0.805 ± 0.113	0.775 ± 0.121	0.798 ± 0.111	0.767 ± 0.136
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.184 ± 0.058	$0.215 \stackrel{1}{\pm} 0.099$	0.294 ± 0.099	0.212 ± 0.064	0.304 ± 0.098	0.220 ± 0.069
yeast-2-vs-4	0.221 ± 0.112	0.491 ± 0.243	0.724 ± 0.112	0.643 ± 0.190	0.702 ± 0.100	0.625 ± 0.158
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.868 ± 0.249	0.868 ± 0.249	0.793 ± 0.325	0.793 ± 0.325	0.793 ± 0.325	0.789 ± 0.324
glass2	0.194 ± 0.048	0.194 ± 0.068	0.304 ± 0.105	0.201 ± 0.062	0.321 ± 0.112	0.213 ± 0.058
yeast-2-vs-8	0.179 ± 0.172	0.357 ± 0.191	0.633 ± 0.195	0.587 ± 0.234	0.629 ± 0.178	0.495 ± 0.220
vowel0	0.588 ± 0.036	0.628 ± 0.035	0.806 ± 0.077	0.743 ± 0.079	0.812 ± 0.065	0.653 ± 0.060
glass- 0 - 4 - vs - 5	0.879 ± 0.187	0.879 ± 0.187	0.907 ± 0.189	0.907 ± 0.189	0.913 ± 0.186	0.913 ± 0.186
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 4\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.182 ± 0.056	0.186 ± 0.073	0.288 ± 0.102	0.213 ± 0.074	0.308 ± 0.093	0.220 ± 0.069
yeast4	0.070 ± 0.005	0.076 ± 0.008	0.324 ± 0.054	0.166 ± 0.116	0.323 ± 0.054	0.174 ± 0.121
ecoli-0-4- 6 - vs - 5	0.650 ± 0.184	$0.742 \stackrel{1}{\pm} 0.200$	0.784 ± 0.143	0.768 ± 0.153	0.775 ± 0.143	0.768 ± 0.144
page-blocks-1-3-vs-4	0.489 ± 0.149	$0.538 \stackrel{1}{\pm} 0.167$	0.539 ± 0.157	0.534 ± 0.151	0.554 ± 0.165	0.513 ± 0.144
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.198 ± 0.055	0.307 ± 0.195	0.642 ± 0.094	0.544 ± 0.201	0.623 ± 0.082	$0.620 \stackrel{1}{\pm} 0.105$
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.258 ± 0.332	0.598 ± 0.328	0.550 ± 0.310	0.645 ± 0.252	0.646 ± 0.327	0.733 ± 0.245
ecoli-0-6-7-vs-3-5	0.260 ± 0.296	0.254 ± 0.297	$0.226 \stackrel{1}{\pm} 0.279$	0.256 ± 0.272	0.452 ± 0.238	0.355 ± 0.281
ecoli-0-3-4-7-vs-5-6	0.563 ± 0.198	0.714 ± 0.155	0.747 ± 0.125	0.744 ± 0.148	0.753 ± 0.121	0.741 ± 0.147
$ecoli \hbox{-} 0 \hbox{-} 2 \hbox{-} 6 \hbox{-} 7 \hbox{-} vs \hbox{-} 3 \hbox{-} 5$	0.269 ± 0.284	$0.296 \stackrel{1}{\pm} 0.279$	$0.265 \stackrel{1}{\pm} 0.275$	0.254 ± 0.263	0.489 ± 0.201	$0.380 \stackrel{1}{\pm} 0.254$
shuttle- $c0$ - vs - $c4$	0.976 ± 0.021	0.976 ± 0.021	0.992 ± 0.013	0.992 ± 0.013	0.992 ± 0.013	0.992 ± 0.013
ecoli-0-3-4-vs-5	0.489 ± 0.211	0.720 ± 0.189 1	$0.797 \pm 0.165 \\ 1,2,4,6$	$0.769 \pm 0.168 1,2$	$0.793 \pm 0.162 \\ 1,2,6$	0.749 ± 0.167

Table 3: Results for F1 metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	1.598	2.646	4.671	3.280	5.085	3.720
	_	1	1,2,4,6	1,2	1,2,4,6	1,2

Table 4: Results for mean ranks according to F1 metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass4	0.311 ± 0.196	0.383 ± 0.211	0.434 ± 0.248	0.365 ± 0.233	0.455 ± 0.222	0.391 ± 0.220
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.427 ± 0.282	0.618 ± 0.257	0.790 ± 0.179	0.746 ± 0.184	0.760 ± 0.187	0.710 ± 0.198
glass-0-1-6-vs-2	0.111 ± 0.030	0.115 ± 0.043	0.188 ± 0.073	0.119 ± 0.047	0.192 ± 0.069	0.132 ± 0.057
ecoli-0-1- vs -5	0.730 ± 0.312	0.879 ± 0.145	0.963 ± 0.094	0.961 ± 0.100	0.957 ± 0.103	$0.952 \stackrel{1}{\pm} 0.116$
yeast-1-4-5-8-vs-7	0.047 ± 0.002	0.051 ± 0.005	0.084 ± 0.031	0.061 ± 0.022	0.084 ± 0.031	0.064 ± 0.026
ecoli4	0.306 ± 0.135	0.538 ± 0.241	0.752 ± 0.214	0.696 ± 0.230	0.692 ± 0.207	0.638 ± 0.218
led7 digit - 0 - 2 - 4 - 5 - 6 - 7 - 8 - 9 - vs - 1	0.395 ± 0.099	$0.533 \stackrel{1}{\pm} 0.200$	0.510 ± 0.245	0.484 ± 0.175	0.490 ± 0.238	0.469 ± 0.158
glass5	0.660 ± 0.272	0.660 ± 0.272	$0.850 \stackrel{1}{\pm} 0.292$	$0.850 \stackrel{1}{\pm} 0.292$	$0.850 \stackrel{1}{\pm} 0.292$	$0.843 \stackrel{1}{\pm} 0.293$
ecoli-0-3-4-6-vs-5	0.350 ± 0.189	0.621 ± 0.245	0.734 ± 0.186	0.722 ± 0.205	0.725 ± 0.185	0.701 ± 0.209
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.097 ± 0.004	$0.168 \stackrel{1}{\pm} 0.105$	0.321 ± 0.091	0.264 ± 0.125	0.311 ± 0.081	0.238 ± 0.099
yeast6	0.035 ± 0.005	$0.050 \stackrel{1}{\pm} 0.018$	0.238 ± 0.038	0.171 ± 0.089	0.235 ± 0.040	$0.187 \overset{1,2}{\pm} 0.086$
ecoli-0-6-7-vs-5	0.402 ± 0.181	$0.590 \stackrel{1}{\pm} 0.241$	0.745 ± 0.196	0.680 ± 0.215	0.715 ± 0.193	0.655 ± 0.214
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.797 ± 0.285	$0.797 \stackrel{1}{\pm} 0.285$	0.827 ± 0.286	0.827 ± 0.286	0.827 ± 0.286	0.827 ± 0.286
ecoli-0-1-3-7-vs-2-6	0.570 ± 0.372	0.610 ± 0.389	0.733 ± 0.401	0.618 ± 0.394	0.672 ± 0.397	0.606 ± 0.394
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.611 ± 0.079	0.616 ± 0.089	0.719 ± 0.111	0.692 ± 0.131	0.682 ± 0.092	0.677 ± 0.098
ecoli-0-1-4-7-vs-5-6	0.686 ± 0.243	0.763 ± 0.213	0.876 ± 0.181	0.840 ± 0.160	0.832 ± 0.194	0.804 ± 0.178
yeast5	0.073 ± 0.013	0.092 ± 0.017	0.448 ± 0.068	0.441 ± 0.083	0.448 ± 0.068	0.441 ± 0.084
shuttle-c2-vs-c4	0.872 ± 0.320	0.875 ± 0.316	0.840 ± 0.366	0.773 ± 0.375	0.860 ± 0.346	0.793 ± 0.359
ecoli - 0 - 1 - 4 - 7 - vs - 2 - 3 - 5 - 6	0.757 ± 0.319	0.812 ± 0.252	0.855 ± 0.289	0.855 ± 0.213	0.910 ± 0.160	0.783 ± 0.223
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.122 ± 0.082	0.207 ± 0.152	0.341 ± 0.177	0.351 ± 0.268	0.309 ± 0.153	0.312 ± 0.216
yeast-1-vs-7	0.078 ± 0.008	0.110 ± 0.042	0.149 ± 0.053	0.110 ± 0.050	0.141 ± 0.041	0.112 ± 0.036
yeast-1-2-8-9- vs -7	0.034 ± 0.001	0.037 ± 0.004	0.102 ± 0.035	0.057 ± 0.034	0.102 ± 0.035	$0.066 \stackrel{1}{\pm} 0.038$
ecoli-0-1-4-6-vs-5	0.530 ± 0.214	0.661 ± 0.236	0.833 ± 0.157	0.781 ± 0.171	0.804 ± 0.161	0.746 ± 0.180
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.105 ± 0.034	0.132 ± 0.075	0.189 ± 0.068	0.124 ± 0.040	0.194 ± 0.068	0.129 ± 0.046
yeast-2- vs -4	0.134 ± 0.103	$0.400 \stackrel{1}{\pm} 0.242$	0.708 ± 0.169	0.604 ± 0.245	0.649 ± 0.136	0.541 ± 0.174 1.2
glass-0-6-vs-5	0.887 ± 0.254	0.887 ± 0.254	0.880 ± 0.324	0.880 ± 0.324	0.880 ± 0.324	0.873 ± 0.325
glass2	0.110 ± 0.028	0.112 ± 0.040	0.199 ± 0.077 $1,2,4,6$	0.115 ± 0.038	0.210 ± 0.084 $1,2,4,6$	0.122 ± 0.037
yeast-2- vs -8	0.145 ± 0.199	0.309 ± 0.236	0.822 ± 0.253	0.739 ± 0.319 $1,2,6$	0.735 ± 0.253 $1,2,6$	$0.518 \stackrel{1}{\pm} 0.310$ _{1,2}
vowel0	0.432 ± 0.038	$0.474 \stackrel{1}{\pm} 0.040$	0.836 ± 0.081	0.703 ± 0.086 $1,2,6$	0.751 ± 0.069 $1,2,4,6$	0.519 ± 0.065
glass-0-4-vs-5	0.913 ± 0.195	0.913 ± 0.195	0.980 ± 0.139	0.980 ± 0.139	0.980 ± 0.139 $1,2$	0.980 ± 0.139 $1,2$
$glass\hbox{-}0\hbox{-}1\hbox{-}4\hbox{-}6\hbox{-}vs\hbox{-}2$	0.103 ± 0.032	0.107 ± 0.043	0.186 ± 0.070 $1,2,4,6$	0.127 ± 0.054 $1,2$	0.198 ± 0.065 $1,2,4,6$	0.132 ± 0.053 $1,2$
yeast4	0.037 ± 0.002	0.039 ± 0.004	$0.210 \pm 0.036 \\ 1,2,4,6$	0.101 ± 0.082	0.210 ± 0.037 $1,2,4,6$	0.107 ± 0.083
ecoli-0-4-6-vs-5	0.545 ± 0.190	0.695 ± 0.244	0.755 ± 0.177	0.731 ± 0.184	0.740 ± 0.178	0.723 ± 0.175
page-blocks-1-3-vs-4	0.431 ± 0.159	0.465 ± 0.159	0.570 ± 0.174	0.550 ± 0.166	0.552 ± 0.169	0.507 ± 0.163
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.112 ± 0.045	0.213 ± 0.188	0.529 ± 0.147	0.443 ± 0.236	0.496 ± 0.121	0.493 ± 0.125
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.406 ± 0.459	0.791 ± 0.371	0.793 ± 0.399	0.873 ± 0.265	0.830 ± 0.365	0.890 ± 0.234
ecoli-0-6-7-vs-3-5	0.290 ± 0.305	$0.285 \stackrel{1}{\pm} 0.305$	0.355 ± 0.426	0.390 ± 0.405	0.736 ± 0.335	0.503 ± 0.379
ecoli-0-3-4-7-vs-5-6	0.486 ± 0.199	0.658 ± 0.181	0.745 ± 0.149	0.717 ± 0.168	0.731 ± 0.145	0.691 ± 0.177
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.329 ± 0.326	$0.388 \stackrel{1}{\pm} 0.342$	0.436 ± 0.434	0.372 ± 0.380	0.773 ± 0.263	0.552 ± 0.348
	0.974 ± 0.037	0.974 ± 0.037	1.000 ± 0.000	1.000 ± 0.000	$1.000 \stackrel{all}{\pm} 0.000$	1.000 ± 0.000
shuttle-c0-vs-c4	0.974 ± 0.037	0.574 ± 0.007	1,2	1,2	1,2	1,2

Table 5: Results for PS metric

	OSB (1) OKNORAU (2) TBAC (3) TBAW (4) OTBAC (5) OTBAW (6)							
$Mean\ rank$	1.280	2.378	5.280	3.744	4.890	3.427		
	_	1	all	1,2	1,2,4,6	1,2		

Table 6: Results for mean ranks according to PS metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass4	0.653 ± 0.270	0.633 ± 0.272	0.580 ± 0.320	0.537 ± 0.313	0.663 ± 0.310	0.633 ± 0.316
ecoli-0-2-3-4- vs -5	0.795 ± 0.198	0.835 ± 0.146	0.835 ± 0.155	0.835 ± 0.155	0.835 ± 0.155	0.835 ± 0.155
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.845 ± 0.192	0.742 ± 0.242	0.700 ± 0.236	0.765 ± 0.286	0.723 ± 0.216	0.818 ± 0.254
ecoli-0-1- vs -5	0.680 ± 0.304	0.795 ± 0.178	0.790 ± 0.160	$0.790 \stackrel{3}{\pm} 0.160$	0.795 ± 0.163	0.805 ± 0.152
yeast-1-4-5-8-vs-7	0.990 ± 0.051	0.933 ± 0.105	0.513 ± 0.193	0.760 ± 0.243	0.513 ± 0.193	0.740 ± 0.252
ecoli4	0.945 ± 0.103	0.920 ± 0.116	0.890 ± 0.159	0.900 ± 0.158	$0.900 \stackrel{-}{\pm} 0.158$	0.910 ± 0.156
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	0.845 ± 0.118	0.836 ± 0.127	0.342 ± 0.177	0.807 ± 0.251	0.342 ± 0.177	0.795 ± 0.268
glass5	0.850 ± 0.304	0.850 ± 0.304	0.820 ± 0.312	0.820 ± 0.312	0.820 ± 0.312	0.820 ± 0.312
ecoli- 0 - 3 - 4 - 6 - vs - 5	0.855 ± 0.166	0.850 ± 0.173	0.835 ± 0.170	0.835 ± 0.170	0.840 ± 0.171	0.830 ± 0.176
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.981 ± 0.038	0.931 ± 0.084	0.785 ± 0.125	0.809 ± 0.186	0.817 ± 0.102	0.860 ± 0.143
yeast6	0.977 ± 0.087	$3,4,5,6 \\ 0.940 \pm 0.107$	0.837 ± 0.117	0.880 ± 0.100	$0.837 \stackrel{3}{\pm} 0.117$	0.883 ± 0.101
ecoli-0-6-7-vs-5	0.835 ± 0.177	$3,4,5,6 \\ 0.825 \pm 0.182$	0.770 ± 0.179	0.770 ± 0.172	0.785 ± 0.187	0.780 ± 0.184
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.850 ± 0.287	0.850 ± 0.287	0.780 ± 0.302	0.780 ± 0.302	0.780 ± 0.302	0.780 ± 0.302
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
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.574 ± 0.120	0.579 ± 0.096	0.405 ± 0.112	0.317 ± 0.098	0.574 ± 0.107	0.504 ± 0.142
ecoli-0-1-4-7-vs-5-6	0.660 ± 0.266	0.748 ± 0.222 1.3	0.684 ± 0.208	0.704 ± 0.179	0.756 ± 0.208 1.3	0.804 ± 0.162 $1,3,4,5$
yeast5	0.993 ± 0.034	0.993 ± 0.034	0.989 ± 0.040	0.989 ± 0.040	0.991 ± 0.037	0.991 ± 0.037
shuttle- $c2$ - vs - $c4$	0.880 ± 0.309	0.880 ± 0.309	0.830 ± 0.368	0.830 ± 0.368	0.840 ± 0.352	0.840 ± 0.352
$ecoli\mbox{-}0\mbox{-}1\mbox{-}4\mbox{-}7\mbox{-}vs\mbox{-}2\mbox{-}3\mbox{-}5\mbox{-}6$	0.330 ± 0.241	0.435 ± 0.255	0.381 ± 0.236	0.463 ± 0.231	0.543 ± 0.258	0.607 ± 0.243
$yeast\hbox{-} 0\hbox{-} 3\hbox{-} 5\hbox{-} 9\hbox{-} vs\hbox{-} 7\hbox{-} 8$	0.944 ± 0.151	0.740 ± 0.279	0.568 ± 0.237	0.570 ± 0.298	0.586 ± 0.227	$0.600 \stackrel{all}{\pm} 0.271$
yeast-1-vs-7	0.910 ± 0.142 all	$3,4,5,6 \\ 0.783 \pm 0.211 \\ 3,5$	0.613 ± 0.203	0.813 ± 0.193 $3,5$	0.610 ± 0.201	0.790 ± 0.204 3.5
yeast-1-2-8-9-vs-7	0.977 ± 0.074	0.933 ± 0.120 3,4,5,6	0.527 ± 0.177	0.777 ± 0.257 3.5	0.527 ± 0.177	0.733 ± 0.264 3.5
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.840 ± 0.156	0.830 ± 0.169	0.815 ± 0.164	0.810 ± 0.170	0.830 ± 0.161	0.825 ± 0.167
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.750 ± 0.234	0.680 ± 0.256	0.695 ± 0.242	0.787 ± 0.231 $2,3$	0.732 ± 0.242	0.837 ± 0.222 $1,2,3,5$
yeast-2- vs -4	0.958 ± 0.061	0.863 ± 0.112 $3,4,5,6$	0.779 ± 0.137	0.794 ± 0.131	0.794 ± 0.124	0.812 ± 0.126
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.880 ± 0.274 3.4.5.6	0.880 ± 0.274 $3,4,5,6$	0.750 ± 0.350	0.750 ± 0.350	0.750 ± 0.350	0.750 ± 0.350
glass2	0.825 ± 0.192 $2,3,5$	0.737 ± 0.242	0.683 ± 0.222	0.837 ± 0.209	0.725 ± 0.216	0.887 ± 0.168 $1,2,3,5$
yeast-2-vs-8	0.870 ± 0.207	0.690 ± 0.221 $3,4,5$	0.575 ± 0.225	0.595 ± 0.217	0.615 ± 0.213	0.645 ± 0.229 3.4
vowel0	0.929 ± 0.059 3,4,5,6	0.938 ± 0.057 $3,4,5,6$	0.790 ± 0.119	0.797 ± 0.107	0.891 ± 0.096 3.4	0.891 ± 0.090 3.4
glass-0-4-vs-5	0.890 ± 0.229	0.890 ± 0.229	0.870 ± 0.241	0.870 ± 0.241	0.880 ± 0.235	0.880 ± 0.235
$glass\hbox{-}0\hbox{-}1\hbox{-}4\hbox{-}6\hbox{-}vs\hbox{-}2$	0.797 ± 0.270	0.738 ± 0.293	0.660 ± 0.232	0.788 ± 0.238	0.717 ± 0.199	0.818 ± 0.213
yeast4	0.971 ± 0.052	0.951 ± 0.065	0.718 ± 0.137	0.874 ± 0.152	0.722 ± 0.132	0.874 ± 0.160
ecoli-0-4- 6 - vs - 5	0.850 ± 0.158	$3,4,5,6 \\ 0.845 \pm 0.165$	0.835 ± 0.155	0.830 ± 0.161	0.835 ± 0.155	0.840 ± 0.156
page-blocks-1-3-vs-4	0.608 ± 0.210 $3,4,6$	0.685 ± 0.257	0.537 ± 0.182	0.544 ± 0.183	0.591 ± 0.215 3,4,6	0.548 ± 0.182
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.989 ± 0.027	0.953 ± 0.082	0.870 ± 0.079	0.882 ± 0.094	0.882 ± 0.081	0.880 ± 0.077
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.215 ± 0.313	0.509 ± 0.321 $1,3$	0.438 ± 0.272	0.536 ± 0.256 1.3	0.557 ± 0.319 $1,3$	0.646 ± 0.263
ecoli- 0 - 6 - 7 - vs - 3 - 5	0.270 ± 0.349	0.266 ± 0.351	0.185 ± 0.247	0.222 ± 0.265	0.370 ± 0.250	0.324 ± 0.305 3.4
ecoli-0-3-4-7-vs-5-6	0.784 ± 0.270	0.832 ± 0.166	0.776 ± 0.163	0.808 ± 0.174	0.804 ± 0.157	0.836 ± 0.148
$ecoli\mbox{-}0\mbox{-}2\mbox{-}6\mbox{-}7\mbox{-}vs\mbox{-}3\mbox{-}5$	0.266 ± 0.325	0.282 ± 0.315	0.209 ± 0.240	0.215 ± 0.246	0.400 ± 0.223	0.342 ± 0.287
shuttle-c0-vs-c4	0.980 ± 0.025	0.980 ± 0.025	0.985 ± 0.025	0.985 ± 0.025	0.985 ± 0.025	0.985 ± 0.025
ecoli-0-3-4-vs-5	0.820 ± 0.234	0.845 ± 0.205	0.845 ± 0.205	0.845 ± 0.199	0.845 ± 0.205	0.850 ± 0.200

Table 7: Results for RCS metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.585	4.415	1.793	2.890	3.293	4.024
	3,4,5	3,4,5	_	3	3	3,4,5

Table 8: Results for mean ranks according to RCS metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass4	0.771 ± 0.138	0.778 ± 0.139	0.764 ± 0.160	0.732 ± 0.157	0.802 ± 0.157	0.779 ± 0.161
ecoli-0-2-3-4-vs-5	0.777 ± 0.117	$0.873 \stackrel{1}{\pm} 0.092$	$0.902 \stackrel{4}{\pm} 0.078$	0.898 ± 0.079	0.900 ± 0.079	$0.893 \stackrel{-}{\pm} 0.080$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.593 ± 0.096	0.587 ± 0.128	0.698 ± 0.127	0.601 ± 0.127	0.709 ± 0.115	0.628 ± 0.122
ecoli-0-1-vs-5	0.830 ± 0.152	0.891 ± 0.088	0.893 ± 0.080	0.893 ± 0.080	0.895 ± 0.082	$0.900 \stackrel{1,2}{\pm} 0.076$
yeast-1-4-5-8- vs -7	0.544 ± 0.022	0.574 ± 0.045	0.629 ± 0.098	0.588 ± 0.071	0.628 ± 0.098	0.592 ± 0.079
ecoli4	0.891 ± 0.068	$0.922 \stackrel{1}{\pm} 0.079$	0.933 ± 0.082	0.932 ± 0.079	0.934 ± 0.080	0.932 ± 0.077
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	0.859 ± 0.067	$0.876 \stackrel{1}{\pm} 0.070$	0.654 ± 0.090	0.859 ± 0.118	0.653 ± 0.090	0.852 ± 0.123
glass5	0.915 ± 0.149	0.915 ± 0.149	0.908 ± 0.155	0.908 ± 0.155	0.908 ± 0.155	0.908 ± 0.154
ecoli- 0 - 3 - 4 - 6 - vs - 5	$\begin{array}{c} 3,4,5,6 \\ 0.797 \pm 0.121 \end{array}$	0.884 ± 0.110	0.898 ± 0.090	0.896 ± 0.094	0.900 ± 0.090	0.891 ± 0.097
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.502 ± 0.022	0.612 ± 0.146	0.794 ± 0.049	0.708 ± 0.119	0.805 ± 0.049	0.714 ± 0.129
yeast6	0.653 ± 0.044	$0.722 \stackrel{1}{\pm} 0.072$	0.885 ± 0.056	0.857 ± 0.068	0.885 ± 0.056	$0.870\overset{1,2}{\pm}0.062$
$ecoli \hbox{-} 0 \hbox{-} 6 \hbox{-} 7 \hbox{-} vs \hbox{-} 5$	0.834 ± 0.111	0.870 ± 0.112	0.869 ± 0.093	0.860 ± 0.091	0.874 ± 0.096	0.863 ± 0.099
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.920 ± 0.142	0.920 ± 0.142	0.886 ± 0.150	0.886 ± 0.150	0.886 ± 0.150	0.886 ± 0.150
ecoli - 0 - 1 - 3 - 7 - vs - 2 - 6	0.844 ± 0.198	0.845 ± 0.199	0.847 ± 0.203	0.843 ± 0.202	0.844 ± 0.203	$0.842 \stackrel{-}{\pm} 0.202$
$yeast\hbox{-} 0\hbox{-} 2\hbox{-} 5\hbox{-} 6\hbox{-} vs\hbox{-} 3\hbox{-} 7\hbox{-} 8\hbox{-} 9$	0.767 ± 0.058	0.769 ± 0.048	0.694 ± 0.056	0.651 ± 0.049	0.772 ± 0.053	0.738 ± 0.069
ecoli - 0 - 1 - 4 - 7 - vs - 5 - 6	0.816 ± 0.131	0.862 ± 0.112	0.838 ± 0.104	0.846 ± 0.090	0.871 ± 0.104	0.892 ± 0.081
yeast5	0.798 ± 0.035	0.841 ± 0.029	0.975 ± 0.021	0.973 ± 0.025	0.976 ± 0.020	0.973 ± 0.027 1.2
shuttle- $c2$ - vs - $c4$	0.937 ± 0.154	0.938 ± 0.154	0.915 ± 0.184	0.912 ± 0.184	0.920 ± 0.176	0.917 ± 0.176
ecoli-0-1-4-7- vs -2-3-5-6	0.661 ± 0.120	0.713 ± 0.126	0.689 ± 0.118	0.728 ± 0.115	0.769 ± 0.129 $1.2.3.4$	0.794 ± 0.123 $1,2,3,4$
$yeast\hbox{-}0\hbox{-}3\hbox{-}5\hbox{-}9\hbox{-}vs\hbox{-}7\hbox{-}8$	0.545 ± 0.037	$0.606 \stackrel{1}{\pm} 0.084$	0.695 ± 0.073 $1,2,4,6$	0.628 ± 0.076	0.698 ± 0.075	0.653 ± 0.087
yeast-1- vs -7	0.581 ± 0.047	0.648 ± 0.094	0.680 ± 0.100 $1,4,5$	0.650 ± 0.078	0.674 ± 0.096	0.659 ± 0.086
yeast-1-2-8-9-vs-7	0.538 ± 0.024	0.573 ± 0.054	0.687 ± 0.090 $1,2,4,6$	0.613 ± 0.068 1.2	0.687 ± 0.089 $1,2,4,6$	0.626 ± 0.078 $1,2,4$
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.881 ± 0.088	0.892 ± 0.090	0.899 ± 0.080 $1,2,4,6$	0.894 ± 0.082	0.905 ± 0.078 $1,2,6$	0.899 ± 0.084
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.527 ± 0.112	0.578 ± 0.135	0.685 ± 0.115 $1,2,4,6$	0.581 ± 0.105	0.700 ± 0.117 $1,2,4,6$	0.594 ± 0.106
yeast-2-vs-4	0.556 ± 0.098	0.750 ± 0.171	0.868 ± 0.066 $1,2,4$	0.836 ± 0.091	0.870 ± 0.060 $1,2,4,6$	0.843 ± 0.098 1.2
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.936 ± 0.136	0.936 ± 0.136	0.875 ± 0.175	0.875 ± 0.175	0.875 ± 0.175	0.875 ± 0.174
glass2	0.624 ± 0.094	0.614 ± 0.124	0.718 ± 0.115 $1,2,4,6$	0.635 ± 0.115	0.738 ± 0.116 $1,2,4,6$	0.660 ± 0.095 $1,2$
yeast-2-vs-8	0.640 ± 0.096	0.765 ± 0.086	0.782 ± 0.111	0.772 ± 0.098	0.799 ± 0.105 $1,2,6$	0.784 ± 0.096 $1,2$
vowel0	0.902 ± 0.026	0.916 ± 0.025 $1,3,4,6$	0.887 ± 0.058	0.881 ± 0.054	0.930 ± 0.048	0.903 ± 0.043
glass-0-4-vs-5	0.940 ± 0.112	0.940 ± 0.112	0.935 ± 0.120	0.935 ± 0.120	0.940 ± 0.117	0.940 ± 0.117
$glass\hbox{-}0\hbox{-}1\hbox{-}4\hbox{-}6\hbox{-}vs\hbox{-}2$	0.592 ± 0.131	0.594 ± 0.146	0.695 ± 0.118 $1,2,4,6$	0.628 ± 0.115	0.721 ± 0.106 $1,2,4,6$	0.642 ± 0.094 ₁
yeast4	0.530 ± 0.030	0.561 ± 0.047	0.811 ± 0.065	0.675 ± 0.102 $1.2.6$	0.812 ± 0.064	0.667 ± 0.119 1.2
ecoli- 0 - 4 - 6 - vs - 5	0.873 ± 0.107	0.892 ± 0.101	0.901 ± 0.083 $1,2,4,6$ $1,2,4,6$	0.896 ± 0.087	0.899 ± 0.083	$0.900 \overset{1,2}{\pm} 0.084$
page-blocks-1-3-vs-4	0.776 ± 0.104	0.817 ± 0.127 $1,3,4,6$	0.754 ± 0.092	0.757 ± 0.092	0.779 ± 0.108 $4,6$	0.756 ± 0.091
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.541 ± 0.052 $-$	0.641 ± 0.131 1	0.886 ± 0.032 $1,2,4$	0.831 ± 0.088 $1,2$	0.886 ± 0.033 $1,2,4$	0.881 ± 0.055 $1,2,4$
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.605 ± 0.156	0.752 ± 0.163	0.719 ± 0.136 ₁	0.765 ± 0.130 $1,3$	0.778 ± 0.159 $1,2,3$	0.820 ± 0.134
ecoli-0-6-7- vs -3-5	0.620 ± 0.167	0.618 ± 0.168	0.586 ± 0.121	0.600 ± 0.130	0.677 ± 0.122	0.650 ± 0.148 $1,2,3,4$
ecoli - 0 - 3 - 4 - 7 - vs - 5 - 6	0.833 ± 0.127	0.885 ± 0.084	0.872 ± 0.080	0.883 ± 0.086	0.884 ± 0.077	0.892 ± 0.075
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.617 ± 0.158	$0.626 \stackrel{1}{\pm} 0.154$	0.599 ± 0.118	0.596 ± 0.121	0.693 ± 0.108 all	0.656 ± 0.140 $1,3,4$
shuttle-c0-vs-c4	0.989 ± 0.012	0.989 ± 0.012	0.992 ± 0.012 $1,2$	0.992 ± 0.012 $1,2$	0.992 ± 0.012 $1,2$	0.992 ± 0.012 $1,2$
ecoli-0-3-4- vs -5	0.803 ± 0.128	0.890 ± 0.109	0.908 ± 0.104 $1,2,4,6$	0.902 ± 0.102 $1,2$	0.907 ± 0.104 $1,2,6$	0.901 ± 0.102 $1,2$

Table 9: Results for AUC metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
$Mean\ rank$	2.037	3.110	3.939	2.866	5.134	3.915
	_	1	1,2,4	1	all	1,4

Table 10: Results for mean ranks according to AUC metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
glass4	0.733 ± 0.206	0.735 ± 0.209	0.682 ± 0.290	0.642 ± 0.291	0.746 ± 0.262	0.714 ± 0.276
ecoli-0-2-3-4-vs-5	0.755 ± 0.135	0.868 ± 0.096	0.896 ± 0.087	0.892 ± 0.087	0.893 ± 0.087	$0.887 \stackrel{-}{\pm} 0.088$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.528 ± 0.079	0.545 ± 0.147	0.682 ± 0.155	0.540 ± 0.149	0.699 ± 0.121	0.565 ± 0.144
ecoli-0-1-vs-5	0.764 ± 0.285	$0.880 \stackrel{1}{\pm} 0.102$	0.882 ± 0.092	0.882 ± 0.092	0.885 ± 0.094	$0.891 \stackrel{1}{\pm} 0.086$
yeast-1-4-5-8-vs-7	0.304 ± 0.062	$0.438 \stackrel{1}{\pm} 0.065$	0.601 ± 0.142	$0.503 \stackrel{1}{\pm} 0.120$	0.601 ± 0.142	0.509 ± 0.130
ecoli4	0.888 ± 0.068	$0.920 \stackrel{1}{\pm} 0.080$	0.927 ± 0.091	0.927 ± 0.088	0.929 ± 0.089	0.927 ± 0.087
$led 7 digit \hbox{-} 0\hbox{-} 2\hbox{-} 4\hbox{-} 5\hbox{-} 6\hbox{-} 7\hbox{-} 8\hbox{-} 9\hbox{-} vs\hbox{-} 1$	0.856 ± 0.068	$0.872 \stackrel{1}{\pm} 0.073$	0.547 ± 0.177	0.835 ± 0.182	0.546 ± 0.177	0.824 ± 0.192
glass5	0.870 ± 0.275	0.870 ± 0.275	0.859 ± 0.278	0.859 ± 0.278	0.859 ± 0.278	0.859 ± 0.278
ecoli-0-3-4-6- vs -5	0.783 ± 0.131	0.879 ± 0.115	0.891 ± 0.100	0.889 ± 0.102	0.893 ± 0.099	0.884 ± 0.106
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.136 ± 0.064	0.416 ± 0.281	0.789 ± 0.051	0.629 ± 0.223	0.802 ± 0.048	0.626 ± 0.253
yeast6	0.558 ± 0.074	$0.673 \stackrel{1}{\pm} 0.106$	0.881 ± 0.061 $1,2,5$	0.851 ± 0.078 1.2	0.881 ± 0.061	0.865 ± 0.067
ecoli-0-6-7-vs-5	0.828 ± 0.115	0.864 ± 0.119 1.5	0.857 ± 0.105 $1,4,6$	0.850 ± 0.102	0.863 ± 0.109 1.6	0.852 ± 0.110
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.882 ± 0.248	0.882 ± 0.248	0.843 ± 0.251	0.843 ± 0.251	0.843 ± 0.251	0.843 ± 0.251
ecoli-0-1-3-7-vs-2-6	0.737 ± 0.385	0.737 ± 0.385	0.740 ± 0.387 $1,2,4,6$	0.737 ± 0.385	0.739 ± 0.386	0.736 ± 0.384
yeast-0-2-5-6-vs-3-7-8-9	0.737 ± 0.082 $3,4,6$	0.743 ± 0.062 $3,4,6$	0.624 ± 0.090	0.552 ± 0.084	0.743 ± 0.071 $3,4,6$	0.692 ± 0.104 $3,4$
ecoli-0-1-4-7-vs-5-6	0.774 ± 0.201	0.843 ± 0.143	0.807 ± 0.165	0.827 ± 0.109	0.847 ± 0.166	0.882 ± 0.093 $1,2,3,4$
yeast5	0.772 ± 0.046	0.826 ± 0.034	0.975 ± 0.022 $1,2$	0.973 ± 0.026 1.2	0.976 ± 0.020 1.2	0.973 ± 0.028 1.2
shuttle- $c2$ - vs - $c4$	0.885 ± 0.300	0.886 ± 0.300	0.834 ± 0.366	0.831 ± 0.365	0.848 ± 0.347	0.845 ± 0.345
ecoli-0-1-4-7-vs-2-3-5-6	0.522 ± 0.235	0.620 ± 0.215	0.573 ± 0.228 ₁	0.652 ± 0.186 1.3	0.711 ± 0.187 $1,2,3$	0.754 ± 0.166 $1,2,3,4$
yeast-0-3-5-9-vs-7-8	0.317 ± 0.108	0.484 ± 0.157 ₁	0.651 ± 0.136 $1,2,4,6$	0.541 ± 0.136	0.660 ± 0.134	0.586 ± 0.150 $1,2$
yeast-1-vs-7	0.461 ± 0.074	0.600 ± 0.137	0.665 ± 0.113 $1,2,4,5$	0.608 ± 0.084	0.660 ± 0.109 $1,2,4$	0.622 ± 0.100
yeast-1-2-8-9- vs -7	0.302 ± 0.060	0.437 ± 0.065	0.657 ± 0.119 $1.2.4.6$	0.522 ± 0.106 1.2	0.657 ± 0.119 $1.2.4.6$	0.544 ± 0.122 1.2
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.876 ± 0.093	0.885 ± 0.099 _{1,4}	0.890 ± 0.091 $1,2,4$	0.885 ± 0.094	0.897 ± 0.088 $1,2,6$	0.891 ± 0.095 $1,2,3$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.461 ± 0.103	0.545 ± 0.144 $1,4,6$	0.665 ± 0.148 $1,2,4,6$	0.515 ± 0.109	0.680 ± 0.147 $1,2,4,6$	0.512 ± 0.118
yeast-2-vs-4	0.326 ± 0.183	0.683 ± 0.255 ₁	0.859 ± 0.076 $1,2,4$	0.822 ± 0.110 1.2	0.864 ± 0.068 $1,2,4,6$	0.829 ± 0.129 $1,2$
glass-0-6-vs-5	0.901 ± 0.246	0.901 ± 0.246 $-$	0.804 ± 0.322 -	0.804 ± 0.322	0.804 ± 0.322	0.803 ± 0.321
glass2	0.583 ± 0.079 $-$	0.586 ± 0.131 $-$	0.700 ± 0.151 $1,2,4,6$	0.591 ± 0.123 $-$	0.723 ± 0.150 $1,2,4,6$	0.613 ± 0.089
yeast-2-vs-8	0.539 ± 0.143	0.738 ± 0.112 ₁	0.738 ± 0.153	0.729 ± 0.135 ₁	0.764 ± 0.141 $1,2,6$	0.750 ± 0.131 $1,2$
vowel0	0.901 ± 0.026 ₄	0.915 ± 0.024 $1,3,4,6$	0.879 ± 0.067 ₄	0.875 ± 0.061	0.928 ± 0.051	0.902 ± 0.045 3.4
glass-0-4-vs-5	0.922 ± 0.171 $-$	0.922 ± 0.171 $-$	0.916 ± 0.178 $-$	0.916 ± 0.178 $-$	0.921 ± 0.176 -	0.921 ± 0.176 -
glass-0-1-4-6-vs-2	0.534 ± 0.131 $-$	0.547 ± 0.164 ₁	0.676 ± 0.152 $1,2,4,6$	0.584 ± 0.112 ₁	0.712 ± 0.112 $1,2,4,6$	0.591 ± 0.102 ₁
yeast4	0.287 ± 0.058	0.395 ± 0.083 ₁	0.801 ± 0.079 $1,2,4,6$	0.589 ± 0.166 $1,2,6$ 0.889 ± 0.095	0.803 ± 0.076 $1,2,4,6$	0.554 ± 0.207 $1,2$ 0.894 ± 0.091
ecoli-0-4-6-vs-5	0.870 ± 0.111	0.887 ± 0.108	0.894 ± 0.090 $1,4,6$	1	0.893 ± 0.090	1
page-blocks-1-3-vs-4	0.745 ± 0.139	0.789 ± 0.164 $1,3,4,6$ 0.495 ± 0.216	0.711 ± 0.129	0.715 ± 0.129	0.742 ± 0.145	0.715 ± 0.127
yeast-0-2-5-7-9-vs-3-6-8	0.275 ± 0.120	1	0.884 ± 0.034	0.818 ± 0.102 $1,2$ 0.693 ± 0.231	0.885 ± 0.034	0.879 ± 0.059
ecoli-0-1-vs-2-3-5	0.296 ± 0.354	0.637 ± 0.320	0.583 ± 0.313	1,3	0.672 ± 0.324	0.772 ± 0.218
ecoli-0-6-7-vs-3-5	0.348 ± 0.368 0.804 ± 0.189	0.339 ± 0.371	0.275 ± 0.325	0.329 ± 0.327	0.547 ± 0.253	0.451 ± 0.331 $1,2,3,4$ 0.886 ± 0.082
ecoli-0-3-4-7-vs-5-6		0.877 ± 0.094 0.401 ± 0.331	0.861 ± 0.091	0.873 ± 0.098 0.331 ± 0.315	0.875 ± 0.086	1
ecoli-0-2-6-7-vs-3-5	0.364 ± 0.348	_	0.324 ± 0.317	_	0.595 ± 0.194	0.498 ± 0.285 $1,2,3,4$
shuttle-c0-vs-c4	0.989 ± 0.013	0.989 ± 0.013	0.992 ± 0.013	0.992 ± 0.013	0.992 ± 0.013	0.992 ± 0.013
ecoli-0-3-4-vs-5	0.779 ± 0.173	0.880 ± 0.127 ₁	$0.897 \pm 0.126 \\ 1,2,4,6$	$\begin{array}{c c} 0.893 \pm 0.122 \\ & 1,2 \end{array}$	0.897 ± 0.125 $1,2,6$	0.891 ± 0.122 $1,2$

Table 11: Results for GMEAN metric

	OSB (1) OKNORAU (2) TBAC (3) TBAW (4) OTBAC (5) OTBAW (6)							
Mean rank	2.085	3.329	3.890	2.866	5.037	3.793		
	_	1	1,4	_	all	1,4		

Table 12: Results for mean ranks according to GMEAN metric