Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	OTBAC (4)	TBAW (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.879 ± 0.093	0.877 ± 0.091	0.870 ± 0.095	0.868 ± 0.091	0.505 ± 0.059	0.428 ± 0.065
yeast-1-4-5-8- vs -7	0.580 ± 0.079	0.588 ± 0.086	0.502 ± 0.016	0.583 ± 0.079	0.516 ± 0.093	0.548 ± 0.079
glass2	0.710 ± 0.131	0.703 ± 0.111	0.537 ± 0.080	0.741 ± 0.117	$0.648 \stackrel{-}{\pm} 0.142$	$0.680 \stackrel{3.5}{\pm} 0.073$
glass-0-1-4-6-vs-2	$0.707 \stackrel{3}{\pm} 0.110$	$0.699 \stackrel{3}{\pm} 0.122$	0.523 ± 0.067	0.736 ± 0.118	0.596 ± 0.125	0.633 ± 0.096
glass-0-1-6-vs-2	0.686 ± 0.128	0.679 ± 0.126	0.527 ± 0.068	0.704 ± 0.117	0.611 ± 0.142	0.623 ± 0.093
ecoli-0-1-4-7-vs-2-3-5-6	0.848 ± 0.082	0.850 ± 0.081	0.866 ± 0.078	0.852 ± 0.078	0.478 ± 0.053	0.437 ± 0.080
yeast-0-5-6-7-9-vs-4	0.805 ± 0.060	0.804 ± 0.059	0.734 ± 0.074	0.814 ± 0.053	0.635 ± 0.085	0.633 ± 0.077
ecoli- 0 - 1 - vs - 5	0.920 ± 0.074	0.918 ± 0.074	0.920 ± 0.074	0.917 ± 0.075	0.498 ± 0.051	0.474 ± 0.062
yeast-2-vs-8	0.784 ± 0.122	0.790 ± 0.112	0.774 ± 0.114	0.783 ± 0.115	0.558 ± 0.140	0.480 ± 0.107
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.896 ± 0.039	0.894 ± 0.041	0.908 ± 0.041	0.905 ± 0.037	0.576 ± 0.077	0.465 ± 0.064
glass-0-4-vs-5	0.971 ± 0.064	0.981 ± 0.045	0.830 ± 0.192	0.956 ± 0.053	$0.460 \stackrel{6}{\pm} 0.055$	0.455 ± 0.073
ecoli-0-3-4-7-vs-5-6	0.900 ± 0.071	0.898 ± 0.071	0.900 ± 0.078	0.898 ± 0.075	0.449 ± 0.046	0.475 ± 0.089
ecoli-0-1-4-6-vs-5	0.920 ± 0.075	0.918 ± 0.074	0.915 ± 0.073	0.910 ± 0.072	0.495 ± 0.061	$0.463 \stackrel{-}{\pm} 0.059$
ecoli4	$0.919 \stackrel{all}{\pm} 0.097$	0.918 ± 0.097	0.932 ± 0.087	0.931 ± 0.077	0.555 ± 0.098	0.548 ± 0.111
page-blocks-1-3-vs-4	0.929 ± 0.073	$0.930 \stackrel{5,6}{\pm} 0.072$	0.844 ± 0.097	0.917 ± 0.072	0.566 ± 0.124	0.562 ± 0.098
ecoli-0-3-4- vs -5	0.916 ± 0.100	0.913 ± 0.098	0.912 ± 0.102	0.907 ± 0.101	0.493 ± 0.058	0.476 ± 0.061
yeast-1-vs-7	0.646 ± 0.099	0.661 ± 0.105	0.555 ± 0.060	0.656 ± 0.096	0.457 ± 0.095	0.517 ± 0.089
yeast4	0.724 ± 0.072	0.728 ± 0.076	$0.636 \stackrel{5}{\pm} 0.066$	0.786 ± 0.076	0.708 ± 0.084	$0.753 \stackrel{5}{\pm} 0.055$
ecoli-0-1-4-7-vs-5-6	0.907 ± 0.070	$0.908 \stackrel{3}{\pm} 0.067$	0.907 ± 0.075	0.910 ± 0.060	0.471 ± 0.053	0.504 ± 0.112
vowel0	0.999 ± 0.002	0.999 ± 0.002	0.973 ± 0.036	0.985 ± 0.020	0.472 ± 0.018	$0.465 \stackrel{5}{\pm} 0.027$
ecoli- 0 - 3 - 4 - 6 - vs - 5	0.917 ± 0.087	$3,4,5,6$ 0.914 ± 0.087	0.908 ± 0.091	0.901 ± 0.090	0.479 ± 0.055	0.453 ± 0.046
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.884 ± 0.147	0.879 ± 0.150	0.707 ± 0.156	0.911 ± 0.130	0.657 ± 0.188	0.636 ± 0.182
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.795 ± 0.046	0.790 ± 0.045	0.794 ± 0.048	0.800 ± 0.046	0.531 ± 0.060	0.430 ± 0.059
yeast6	0.811 ± 0.097	0.813 ± 0.098	0.829 ± 0.085	0.870 ± 0.074	0.665 ± 0.092	0.680 ± 0.068
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	0.899 ± 0.069	0.878 ± 0.086	0.560 ± 0.073	0.656 ± 0.093	0.481 ± 0.057	0.509 ± 0.084
glass5	0.820 ± 0.198	0.829 ± 0.199	0.680 ± 0.169	0.867 ± 0.174	0.584 ± 0.181	$0.651 \stackrel{5}{\pm} 0.203$
glass-0-6-vs-5	0.920 ± 0.139	0.930 ± 0.113	$0.786 \stackrel{5}{\pm} 0.203$	0.940 ± 0.107	0.605 ± 0.143	0.538 ± 0.101
$glass\hbox{-}0\hbox{-}1\hbox{-}5\hbox{-}vs\hbox{-}2$	0.682 ± 0.145	0.681 ± 0.142	0.544 ± 0.086	0.699 ± 0.139	0.597 ± 0.131	0.578 ± 0.086
ecoli-0-6-7-vs-3-5	0.845 ± 0.104	0.861 ± 0.102	0.835 ± 0.107	0.853 ± 0.100	0.459 ± 0.068	0.488 ± 0.100
glass4	$0.909 \pm 0.143 \\ 3,4,5,6$	$0.909 \pm 0.143 \\ 3,4,5,6$	0.778 ± 0.148 5.6	0.879 ± 0.145 $3,5,6$	0.558 ± 0.132	0.553 ± 0.133
ecoli-0-2-3-4-vs-5	0.913 ± 0.080	0.910 ± 0.079	0.912 ± 0.082	0.904 ± 0.080	0.510 ± 0.064	0.481 ± 0.057
shuttle-c0-vs-c4	0.996 ± 0.008	0.996 ± 0.008	0.996 ± 0.008	0.996 ± 0.008	0.500 ± 0.000	0.500 ± 0.000
ecoli-0-6-7- vs -5	$0.872 \pm 0.098 \\ 3,4,5,6$	$0.874 \pm 0.096 \\ 3,4,5,6$	$0.871 \pm 0.102 \\ 4,5,6$	$0.871 \pm 0.102 \\ 3,5,6$	0.443 ± 0.052	0.455 ± 0.108
yeast-1-2-8-9-vs-7	0.640 ± 0.086 $3,5,6$	0.650 ± 0.087 $3,5,6$	0.509 ± 0.026	0.658 ± 0.081 3,5,6	0.507 ± 0.085	0.594 ± 0.080
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.707 ± 0.060 $2,3,5,6$	0.706 ± 0.059 $3,5,6$	0.646 ± 0.056 $5,6$	0.706 ± 0.060 $3,5,6$	0.540 ± 0.077	0.534 ± 0.064
yeast-2- vs -4	0.877 ± 0.063	0.879 ± 0.061	0.853 ± 0.065	0.881 ± 0.062	0.592 ± 0.070	0.569 ± 0.077
ecoli- 0 - 4 - 6 - vs - 5	$0.916 \pm 0.082 \\ 3,4,5,6$	$\begin{array}{c} 3,5,6 \\ 0.916 \pm 0.081 \\ 3,4,5,6 \end{array}$	0.907 ± 0.083 $4,5,6$	0.902 ± 0.085 $5,6$	0.476 ± 0.051	0.455 ± 0.055
ecoli-0-1-3-7-vs-2-6	0.840 ± 0.197	0.841 ± 0.197	0.848 ± 0.199	0.834 ± 0.200 $5,6$	0.507 ± 0.081	0.495 ± 0.139
shuttle- $c2$ - vs - $c4$	0.995 ± 0.034	$4,5,6$ 0.995 ± 0.034	0.665 ± 0.221	0.995 ± 0.034	0.500 ± 0.000	0.500 ± 0.000
ecoli - 0-2-6-7- vs -3-5	0.856 ± 0.087	$3,5,6 \\ 0.872 \pm 0.081$	0.845 ± 0.099 5.6	0.859 ± 0.087	0.449 ± 0.078	0.466 ± 0.098
yeast5	0.935 ± 0.049	0.934 ± 0.053	0.924 ± 0.052	0.968 ± 0.028	0.782 ± 0.082	0.749 ± 0.075
	2,3,5,6	5,6	5,6	all	6	_

Table 1: Results for BAC metric

OSB (1) OKNORAU (2) TBAC (3) OTBAC (4) TBAW (5) OTBAW (6)							
$Mean\ rank$	4.669	4.492	3.878	4.133	1.997	1.832	
	all	3,4,5,6	5,6	5,6	6	_	

Table 2: Results for mean ranks according to BAC metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	OTBAC (4)	TBAW (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.867 ± 0.111	0.866 ± 0.108	0.854 ± 0.114	0.856 ± 0.108	0.145 ± 0.214	0.131 ± 0.191
yeast-1-4-5-8-vs-7	0.416 ± 0.200	0.434 ± 0.211	0.016 ± 0.079	0.469 ± 0.166	0.481 ± 0.144	0.509 ± 0.062
glass2	0.651 ± 0.217	0.653 ± 0.184	$0.178 \stackrel{-}{\pm} 0.263$	0.715 ± 0.164	0.628 ± 0.158	0.630 ± 0.074
glass-0-1-4-6-vs-2	0.660 ± 0.183	0.636 ± 0.225	0.130 ± 0.232	0.702 ± 0.186	0.564 ± 0.176	$0.577 \stackrel{3}{\pm} 0.097$
glass-0-1-6-vs-2	0.637 ± 0.192	0.618 ± 0.208	0.168 ± 0.246	$3,5,6 \\ 0.679 \pm 0.140$	0.596 ± 0.139	0.559 ± 0.087
ecoli-0-1-4-7-vs-2-3-5-6	0.833 ± 0.098	0.836 ± 0.098	0.852 ± 0.094	$3,5,6 \\ 0.840 \pm 0.092$	0.206 ± 0.201	0.316 ± 0.184
yeast-0-5-6-7-9-vs-4	0.793 ± 0.071	0.793 ± 0.070	0.685 ± 0.110	0.807 ± 0.059	0.625 ± 0.095	0.618 ± 0.071
ecoli- 0 - 1 - vs - 5	0.913 ± 0.083	0.912 ± 0.082	0.914 ± 0.083	0.911 ± 0.083	0.097 ± 0.193	0.107 ± 0.203
yeast-2-vs-8	0.735 ± 0.187	0.754 ± 0.151	0.718 ± 0.181	0.745 ± 0.154	0.374 ± 0.306	0.382 ± 0.220
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.893 ± 0.043	0.890 ± 0.045	0.904 ± 0.045	0.903 ± 0.040	0.515 ± 0.114	0.415 ± 0.090
glass-0-4-vs-5	0.969 ± 0.072	0.981 ± 0.048	0.730 ± 0.364	0.954 ± 0.057	$0.038 \stackrel{6}{\pm} 0.148$	0.064 ± 0.191
ecoli-0-3-4-7-vs-5-6	0.894 ± 0.079	0.892 ± 0.078	$0.892 \stackrel{5,6}{\pm} 0.086$	0.892 ± 0.082	0.113 ± 0.181	0.336 ± 0.213
ecoli-0-1-4-6-vs-5	0.913 ± 0.083	0.911 ± 0.082	0.908 ± 0.081	0.904 ± 0.080	0.118 ± 0.212	0.094 ± 0.188
ecoli4	0.908 ± 0.116	0.908 ± 0.116	0.924 ± 0.104	0.925 ± 0.087	$0.280 \stackrel{6}{\pm} 0.289$	0.370 ± 0.270
$page-blocks-1\hbox{-} 3\hbox{-} vs\hbox{-} 4$	0.925 ± 0.081	0.926 ± 0.081	0.828 ± 0.114	0.914 ± 0.079	0.364 ± 0.290	$0.401 \stackrel{-}{\pm} 0.240$
ecoli-0-3-4- vs -5	0.905 ± 0.122	0.902 ± 0.121	0.902 ± 0.123	0.897 ± 0.121	0.107 ± 0.200	0.114 ± 0.202
yeast-1-vs-7	0.553 ± 0.192	0.583 ± 0.187	0.244 ± 0.231	0.591 ± 0.174	0.397 ± 0.162	0.491 ± 0.075
yeast4	0.674 ± 0.108	0.681 ± 0.113	$0.508 \stackrel{-}{\pm} 0.142$	0.763 ± 0.101	0.680 ± 0.118	0.750 ± 0.057
ecoli- 0 - 1 - 4 - 7 - vs - 5 - 6	$0.901 \stackrel{3}{\pm} 0.078$	$0.902 \stackrel{3}{\pm} 0.074$	0.899 ± 0.084	0.906 ± 0.065	$0.120 \stackrel{3}{\pm} 0.194$	0.314 ± 0.263
vowel0	0.999 ± 0.002	0.999 ± 0.002	0.972 ± 0.039	0.985 ± 0.022	0.044 ± 0.097	$0.038 \stackrel{5}{\pm} 0.109$
ecoli-0-3-4-6-vs-5	0.910 ± 0.098	0.907 ± 0.098	0.901 ± 0.101	0.894 ± 0.099	0.097 ± 0.196	0.090 ± 0.180
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.844 ± 0.247	0.839 ± 0.248	0.558 ± 0.345	0.886 ± 0.209	0.462 ± 0.390	0.434 ± 0.381
$yeast\hbox{-} 0\hbox{-} 2\hbox{-} 5\hbox{-} 6\hbox{-} vs\hbox{-} 3\hbox{-} 7\hbox{-} 8\hbox{-} 9$	0.784 ± 0.055	0.779 ± 0.053	0.771 ± 0.061	0.792 ± 0.053	0.517 ± 0.074	0.420 ± 0.054
yeast6	0.784 ± 0.129	0.787 ± 0.130	0.807 ± 0.111	0.861 ± 0.085	0.604 ± 0.155	0.656 ± 0.090
led 7 digit - 0 - 2 - 4 - 5 - 6 - 7 - 8 - 9 - vs - 1	0.895 ± 0.075	0.870 ± 0.099	0.275 ± 0.235	0.563 ± 0.165	0.153 ± 0.200	0.338 ± 0.221
glass5	0.713 ± 0.376	0.723 ± 0.379	0.474 ± 0.383	0.804 ± 0.315	0.307 ± 0.385	$0.480 \stackrel{5}{\pm} 0.390$
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.885 ± 0.244	0.912 ± 0.171	0.656 ± 0.390	0.924 ± 0.165	0.293 ± 0.363	$0.140 \stackrel{5}{\pm} 0.279$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.612 ± 0.248	0.610 ± 0.247	0.214 ± 0.277	0.660 ± 0.200	0.565 ± 0.162	0.483 ± 0.087
ecoli-0-6-7- vs -3-5	0.826 ± 0.127	0.847 ± 0.120	0.813 ± 0.132	0.839 ± 0.122	0.126 ± 0.202	0.359 ± 0.220
glass4	0.875 ± 0.243	0.875 ± 0.243	0.716 ± 0.253	0.844 ± 0.242	0.276 ± 0.331	$0.294 \stackrel{5}{\pm} 0.326$
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.906 ± 0.089	0.903 ± 0.088	0.906 ± 0.091	0.898 ± 0.088	0.160 ± 0.236	0.131 ± 0.209
shuttle-c0-vs-c4	0.996 ± 0.008	0.996 ± 0.008	0.996 ± 0.008	0.996 ± 0.008	0.000 ± 0.000	0.000 ± 0.000
ecoli-0-6-7- vs -5	0.858 ± 0.116	0.862 ± 0.114	0.856 ± 0.121	0.860 ± 0.119	0.047 ± 0.141	0.255 ± 0.253
$yeast\hbox{-} 1\hbox{-} 2\hbox{-} 8\hbox{-} 9\hbox{-} vs\hbox{-} 7$	0.515 ± 0.205	$3,4,5,6$ 0.545 ± 0.183	$0.049 \overset{5,6}{\pm} 0.132$	0.573 ± 0.163	0.410 ± 0.173	0.584 ± 0.080
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.682 ± 0.080	0.684 ± 0.078	0.551 ± 0.102	0.685 ± 0.080	0.530 ± 0.084	0.497 ± 0.057
yeast-2-vs-4	0.868 ± 0.072	0.871 ± 0.070	0.839 ± 0.076	0.873 ± 0.070	0.513 ± 0.120	0.514 ± 0.139
ecoli- 0 - 4 - 6 - vs - 5	0.910 ± 0.091	0.909 ± 0.090	0.901 ± 0.091	0.897 ± 0.092	0.067 ± 0.167	0.075 ± 0.172
ecoli- 0 - 1 - 3 - 7 - vs - 2 - 6	0.733 ± 0.382	0.734 ± 0.383	0.740 ± 0.386	0.729 ± 0.380	0.047 ± 0.188	0.135 ± 0.291
shuttle-c2-vs-c4	0.994 ± 0.041	0.994 ± 0.041	0.351 ± 0.454	0.994 ± 0.041	0.000 ± 0.000	0.000 ± 0.000
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.841 ± 0.106	0.861 ± 0.093	0.824 ± 0.123	0.846 ± 0.105	0.111 ± 0.204	0.308 ± 0.233
yeast5	0.932 ± 0.053	0.931 ± 0.057	$0.921 \stackrel{5,6}{\pm} 0.056$	0.968 ± 0.029	0.759 ± 0.103	$0.721 \stackrel{5}{\pm} 0.101$
	3,5,6	5,6	5,6	all	6	<u> </u>

Table 3: Results for GMEAN metric $\,$

	OSB (1)	OKNORAU (2)	TBAC (3)	OTBAC (4)	TBAW (5)	OTBAW (6)
Mean rank	4.632	4.459	3.698	4.127	2.024	2.060
	all	3,4,5,6	5,6	5,6	_	_

Table 4: Results for mean ranks according to GMEAN metric