Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.877 ± 0.089	0.873 ± 0.090	0.850 ± 0.092	0.855 ± 0.089	0.857 ± 0.089	0.853 ± 0.087
yeast-1-4-5-8- vs -7	0.547 ± 0.075	0.553 ± 0.077	0.556 ± 0.081	0.583 ± 0.091	0.593 ± 0.081	0.614 ± 0.086
glass2	0.707 ± 0.129	0.712 ± 0.116	0.735 ± 0.129	0.735 ± 0.126	0.760 ± 0.118	0.748 ± 0.119
$glass\hbox{-}0\hbox{-}1\hbox{-}4\hbox{-}6\hbox{-}vs\hbox{-}2$	0.700 ± 0.131	0.691 ± 0.140	0.697 ± 0.133	0.723 ± 0.113	0.739 ± 0.125	0.728 ± 0.128
glass- 0 - 1 - 6 - vs - 2	0.676 ± 0.132	0.643 ± 0.124	0.712 ± 0.136	0.739 ± 0.121	$0.739 \stackrel{2}{\pm} 0.101$	0.750 ± 0.105
ecoli - 0 - 1 - 4 - 7 - vs - 2 - 3 - 5 - 6	$0.852 \stackrel{2}{\pm} 0.077$	0.857 ± 0.076	$0.855 \stackrel{2}{\pm} 0.082$	0.856 ± 0.083	0.858 ± 0.082	0.857 ± 0.078
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.793 ± 0.065	0.797 ± 0.061	$0.764 \stackrel{1}{\pm} 0.062$	$0.774 \stackrel{1}{\pm} 0.066$	0.795 ± 0.053	0.803 ± 0.055
ecoli-0-1-vs-5	0.918 ± 0.074	0.916 ± 0.073	0.906 ± 0.078	0.910 ± 0.080	0.914 ± 0.077	0.918 ± 0.074
yeast-2- vs -8	0.774 ± 0.106	0.786 ± 0.105	0.773 ± 0.115	0.773 ± 0.115	0.771 ± 0.116	0.772 ± 0.114
$yeast \hbox{-} 0 \hbox{-} 2 \hbox{-} 5 \hbox{-} 7 \hbox{-} 9 \hbox{-} vs \hbox{-} 3 \hbox{-} 6 \hbox{-} 8$	0.896 ± 0.038	0.895 ± 0.039	0.898 ± 0.041	0.894 ± 0.041	$0.902 \stackrel{-}{\pm} 0.041$	0.899 ± 0.040
$glass\hbox{-}0\hbox{-}4\hbox{-}vs\hbox{-}5$	$0.956 \stackrel{2}{\pm} 0.096$	0.959 ± 0.091	0.835 ± 0.164	0.842 ± 0.177	0.957 ± 0.075	0.941 ± 0.088
ecoli-0-3-4-7-vs-5-6	0.893 ± 0.075	0.893 ± 0.076	0.874 ± 0.082	0.893 ± 0.073	0.898 ± 0.078	0.903 ± 0.078
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.914 ± 0.073	0.913 ± 0.077	0.899 ± 0.087	0.898 ± 0.088	0.909 ± 0.075	0.909 ± 0.075
ecoli4	0.918 ± 0.094	0.917 ± 0.094	0.925 ± 0.090	0.925 ± 0.097	0.933 ± 0.086	0.931 ± 0.086
page-blocks-1-3-vs-4	0.912 ± 0.091	0.903 ± 0.094	0.771 ± 0.106	0.806 ± 0.111	0.837 ± 0.086	0.838 ± 0.091
ecoli-0-3-4- vs -5	0.912 ± 0.099	0.910 ± 0.099	0.911 ± 0.104	0.909 ± 0.101	0.914 ± 0.103	0.909 ± 0.106
yeast-1- vs -7	0.631 ± 0.098	0.634 ± 0.099	0.620 ± 0.087	0.642 ± 0.092	0.632 ± 0.101	0.652 ± 0.101
yeast4	0.717 ± 0.076	0.718 ± 0.080	0.716 ± 0.060	0.736 ± 0.075	0.740 ± 0.069 $1,3$	0.770 ± 0.065
ecoli-0-1-4-7-vs-5-6	0.894 ± 0.085	0.894 ± 0.076	0.888 ± 0.081	0.892 ± 0.077	0.900 ± 0.076 $1,2,4,6$	0.899 ± 0.078
vowel0	0.990 ± 0.026 3,4,5,6	0.991 ± 0.026 3,4,5,6	0.836 ± 0.060	0.914 ± 0.061	0.948 ± 0.058	0.952 ± 0.054 3,4,5
ecoli-0-3-4-6- vs -5	0.908 ± 0.089	0.906 ± 0.089	0.893 ± 0.087	0.891 ± 0.094	0.901 ± 0.093	0.898 ± 0.093
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.868 ± 0.157	0.853 ± 0.165	0.794 ± 0.175	0.795 ± 0.175	0.898 ± 0.145	0.897 ± 0.145
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.790 ± 0.041 $3,4$	0.788 ± 0.042	0.759 ± 0.052	0.751 ± 0.054	0.789 ± 0.047	0.782 ± 0.049
yeast6	0.821 ± 0.087	0.818 ± 0.083	0.821 ± 0.083	0.835 ± 0.084	0.835 ± 0.086 $1,2$	0.843 ± 0.079 2
$led 7 digit \hbox{-} 0\hbox{-} 2\hbox{-} 4\hbox{-} 5\hbox{-} 6\hbox{-} 7\hbox{-} 8\hbox{-} 9\hbox{-} vs\hbox{-} 1$	0.899 ± 0.066 $2,3,4,5$	0.857 ± 0.121 $3,5$	$0.585 \stackrel{?}{\pm} 0.091$	0.842 ± 0.102 3.5	0.657 ± 0.088	0.837 ± 0.142 3.5
glass5	0.823 ± 0.196	0.823 ± 0.203	0.824 ± 0.187	0.787 ± 0.192	0.870 ± 0.172	0.871 ± 0.173
glass-0-6-vs-5	0.950 ± 0.086 3,4,5	0.945 ± 0.103 $3,4$	0.767 ± 0.183	0.791 ± 0.169	0.900 ± 0.133 $3,4$	0.905 ± 0.131 $3,4$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.670 ± 0.135	0.658 ± 0.131	0.708 ± 0.138 1.2	0.715 ± 0.119 $1,2$	0.739 ± 0.108 1.2	0.733 ± 0.111
ecoli-0-6-7- vs -3-5	0.863 ± 0.099	0.866 ± 0.095	0.827 ± 0.104	0.835 ± 0.098	0.830 ± 0.108	0.837 ± 0.100
glass4	0.904 ± 0.142 3,4,5,6	0.905 ± 0.142 $3,4,5,6$	0.779 ± 0.148 ₄	0.772 ± 0.147	0.843 ± 0.163	0.854 ± 0.163 $3,4$
ecoli-0-2-3-4- vs -5	0.910 ± 0.078	0.908 ± 0.078	0.908 ± 0.079	0.904 ± 0.082	0.907 ± 0.078	0.909 ± 0.080
shuttle-c0-vs-c4	0.996 ± 0.008	0.996 ± 0.008	$0.996 \stackrel{7}{\pm} 0.008$	0.996 ± 0.008	0.996 ± 0.008	0.996 ± 0.008
ecoli-0-6-7-vs-5	0.876 ± 0.101	0.865 ± 0.100	0.865 ± 0.098	0.868 ± 0.096	0.869 ± 0.105	0.867 ± 0.104
yeast-1-2-8-9- vs -7	0.623 ± 0.085	0.634 ± 0.088	0.574 ± 0.075	0.610 ± 0.093	0.643 ± 0.092	0.676 ± 0.083
yeast-0-3-5-9-vs-7-8	0.707 ± 0.064	0.697 ± 0.070	0.629 ± 0.053	0.641 ± 0.051	0.659 ± 0.062	0.666 ± 0.065 3.4
yeast-2-vs-4	$0.873 \pm 0.061 \\ 3,4,5,6$	0.873 ± 0.062 $3,4,5,6$ $3,4,5,6$	0.835 ± 0.063	0.844 ± 0.066	0.852 ± 0.064	0.856 ± 0.065
ecoli-0-4-6- vs -5	0.916 ± 0.081 all	0.912 ± 0.082	0.907 ± 0.079	0.908 ± 0.080 ₅	0.907 ± 0.082	$0.908 \stackrel{3}{\pm} 0.083$
ecoli- 0 - 1 - 3 - 7 - vs - 2 - 6	0.841 ± 0.197	0.843 ± 0.198	0.849 ± 0.200	0.844 ± 0.203	0.840 ± 0.205	0.837 ± 0.202
shuttle-c2-vs-c4	0.995 ± 0.034 $3,4$	0.995 ± 0.034 3.4	0.715 ± 0.229	0.725 ± 0.230	0.950 ± 0.141 3.4	0.950 ± 0.141 3.4
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.859 ± 0.091	0.862 ± 0.081	0.832 ± 0.102	0.847 ± 0.088 5.6	0.829 ± 0.101	0.839 ± 0.096
yeast5	$0.929 \stackrel{5}{\pm} 0.052$	$0.929 \stackrel{5}{\pm} 0.048$	$0.906 \stackrel{5}{\pm} 0.064$	$0.910 \overset{5,6}{\pm} 0.061$	0.938 ± 0.052 3,4	0.930 ± 0.053 3,4
	1 4	1 4		1 3	1 3,4	1 3,4

Table 1: Results for BAC metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.073	3.878	1.976	2.610	4.110	4.354
	3,4	3,4	_	3	3,4	3,4

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	0.733 ± 0.121	0.725 ± 0.125	0.800 ± 0.138	0.802 ± 0.132	0.786 ± 0.131	0.772 ± 0.130
yeast-1-4-5-8- vs -7	0.113 ± 0.102	0.121 ± 0.100	0.121 ± 0.100	0.142 ± 0.087	0.144 ± 0.064	0.154 ± 0.065
glass2	0.364 ± 0.161	0.365 ± 0.147	0.352 ± 0.134	$0.313 \stackrel{1}{\pm} 0.108$	$0.341 \stackrel{1,2}{\pm} 0.114$	0.328 ± 0.106
glass-0-1-4-6-vs-2	0.347 ± 0.161	0.333 ± 0.175	$0.318 \stackrel{4}{\pm} 0.141$	0.318 ± 0.109	$0.324 \stackrel{4}{\pm} 0.111$	0.323 ± 0.119
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.321 ± 0.161	$0.277 \stackrel{-}{\pm} 0.144$	0.336 ± 0.135	0.332 ± 0.106	0.326 ± 0.093	0.337 ± 0.095
ecoli-0-1-4-7-vs-2-3-5-6	0.690 ± 0.110	0.681 ± 0.109	$0.800 \stackrel{2}{\pm} 0.117$	0.781 ± 0.116	0.769 ± 0.118	0.752 ± 0.115
yeast-0-5-6-7-9-vs-4	0.552 ± 0.090	0.545 ± 0.081	0.561 ± 0.098	0.523 ± 0.090	0.559 ± 0.080	0.535 ± 0.081
ecoli- 0 - 1 - vs - 5	0.847 ± 0.105	$0.827 \stackrel{4}{\pm} 0.105$	$0.875 \stackrel{4}{\pm} 0.105$	0.876 ± 0.108	0.868 ± 0.110	0.870 ± 0.106
yeast-2-vs-8	0.493 ± 0.144	0.486 ± 0.137	0.661 ± 0.209	0.661 ± 0.209	0.632 ± 0.199	0.616 ± 0.201
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.742 ± 0.053	0.733 ± 0.056	0.822 ± 0.058	0.818 ± 0.057	0.798 ± 0.064	0.794 ± 0.061
$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	$0.861 \stackrel{2}{\pm} 0.193$	0.857 ± 0.198	0.693 ± 0.287	0.676 ± 0.319	0.841 ± 0.193	0.816 ± 0.193
ecoli - 0 - 3 - 4 - 7 - vs - 5 - 6	0.757 ± 0.107	0.750 ± 0.113	0.797 ± 0.120	0.791 ± 0.111	0.814 ± 0.111	0.815 ± 0.112
ecoli-0-1-4-6- vs -5	0.820 ± 0.102	0.806 ± 0.108	0.846 ± 0.122	0.838 ± 0.130	0.838 ± 0.101	0.838 ± 0.101
ecoli4	0.773 ± 0.144	$0.759 \stackrel{-}{\pm} 0.144$	0.874 ± 0.129	0.844 ± 0.148	$0.838 \stackrel{2}{\pm} 0.131$	$0.819 \stackrel{2}{\pm} 0.132$
$page-blocks-1\hbox{-}3\hbox{-}vs\hbox{-}4$	0.676 ± 0.134	0.681 ± 0.132	0.585 ± 0.176	0.616 ± 0.174	0.651 ± 0.136	0.694 ± 0.152
ecoli-0-3-4- vs -5	0.812 ± 0.159	0.801 ± 0.157	0.834 ± 0.165	0.833 ± 0.166	0.827 ± 0.171	0.820 ± 0.174
yeast-1-vs-7	0.277 ± 0.146	0.271 ± 0.139	0.254 ± 0.126	$0.238 \stackrel{2}{\pm} 0.097$	0.243 ± 0.115	0.247 ± 0.098
yeast4	0.387 ± 0.114	0.373 ± 0.111	0.420 ± 0.106	0.381 ± 0.101	0.411 ± 0.101	0.385 ± 0.085
ecoli-0-1-4-7-vs-5-6	$0.758 \stackrel{2}{\pm} 0.136$	0.746 ± 0.121	0.827 ± 0.108	0.799 ± 0.108	0.832 ± 0.117	0.813 ± 0.122
vowel0	0.974 ± 0.040	0.981 ± 0.032	0.764 ± 0.093	0.859 ± 0.082	0.901 ± 0.076	0.918 ± 0.071
ecoli-0-3-4-6-vs-5	$\begin{array}{c} 3,4,5,6 \\ 0.798 \pm 0.136 \end{array}$	0.786 ± 0.132	0.784 ± 0.151	0.783 ± 0.162	0.781 ± 0.157	0.777 ± 0.159
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.585 ± 0.253	0.564 ± 0.263	0.496 ± 0.285	0.498 ± 0.279	0.589 ± 0.237	0.587 ± 0.236
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.557 ± 0.058	0.540 ± 0.057	0.618 ± 0.091	0.607 ± 0.094	$0.623 \stackrel{3}{\pm} 0.079$	$0.623 \stackrel{3}{\pm} 0.085$
yeast6	0.486 ± 0.116	0.474 ± 0.115	0.545 ± 0.126	0.496 ± 0.103	0.512 ± 0.118	0.472 ± 0.110
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	$0.675 \stackrel{2}{\pm} 0.087$	0.619 ± 0.170	0.249 ± 0.219	0.679 ± 0.137	0.397 ± 0.178	0.624 ± 0.202
glass5	0.524 ± 0.308	0.527 ± 0.325	0.519 ± 0.294	0.468 ± 0.293	0.500 ± 0.229	0.515 ± 0.237
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.837 ± 0.179	$0.823 \stackrel{4}{\pm} 0.213$	0.610 ± 0.345	0.641 ± 0.298	0.777 ± 0.234	0.783 ± 0.230
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.326 ± 0.160	0.309 ± 0.156	0.343 ± 0.138	0.324 ± 0.101	0.339 ± 0.096	0.338 ± 0.098
ecoli- 0 - 6 - 7 - vs - 3 - 5	0.739 ± 0.165	0.729 ± 0.154	0.725 ± 0.182	0.722 ± 0.172	0.714 ± 0.186	0.711 ± 0.176
glass4	0.660 ± 0.240	0.671 ± 0.240	0.535 ± 0.244	0.517 ± 0.247	0.580 ± 0.251	0.593 ± 0.253
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.806 ± 0.127	0.793 ± 0.130	0.835 ± 0.132	0.823 ± 0.133	0.815 ± 0.124	0.810 ± 0.130
shuttle-c0-vs-c4	0.996 ± 0.008	0.996 ± 0.008	0.995 ± 0.008	$0.995 \stackrel{2}{\pm} 0.008$	0.996 ± 0.008	0.996 ± 0.008
ecoli- 0 - 6 - 7 - vs - 5	0.717 ± 0.163	0.677 ± 0.159	0.782 ± 0.161	0.777 ± 0.153	0.755 ± 0.172	0.740 ± 0.166
$yeast\hbox{-} 1\hbox{-} 2\hbox{-} 8\hbox{-} 9\hbox{-} vs\hbox{-} 7$	0.225 ± 0.133	0.235 ± 0.129	0.153 ± 0.124	0.147 ± 0.087	0.186 ± 0.109	$0.199 \stackrel{2}{\pm} 0.072$
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.411 ± 0.091	0.389 ± 0.095	0.370 ± 0.121	0.387 ± 0.109	0.396 ± 0.114	0.397 ± 0.113
yeast-2- vs -4	0.763 ± 0.089	0.754 ± 0.094	0.760 ± 0.094	0.765 ± 0.099	$0.769 \stackrel{3}{\pm} 0.096$	0.762 ± 0.096
ecoli-0-4-6- vs -5	0.846 ± 0.135	0.816 ± 0.140	0.808 ± 0.127	0.816 ± 0.129	0.800 ± 0.140	0.805 ± 0.145
ecoli - 0 - 1 - 3 - 7 - vs - 2 - 6	0.549 ± 0.336	0.580 ± 0.348	0.713 ± 0.383	0.675 ± 0.369	0.617 ± 0.368	0.544 ± 0.335
shuttle-c2-vs-c4	0.993 ± 0.046	0.993 ± 0.046	0.453 ± 0.465	0.473 ± 0.467	0.907 ± 0.275	0.907 ± 0.275
$ecoli\mbox{-}0\mbox{-}2\mbox{-}6\mbox{-}7\mbox{-}vs\mbox{-}3\mbox{-}5$	0.727 ± 0.140	0.724 ± 0.115	0.731 ± 0.174	0.738 ± 0.146	0.701 ± 0.162	0.699 ± 0.159
yeast5	$\begin{array}{c c} & - \\ 0.701 \pm 0.083 \\ & 4 \end{array}$	0.695 ± 0.085	$0.708 \pm 0.090 \\ 4,6$	0.685 ± 0.088	0.700 ± 0.084	0.692 ± 0.089

Table 3: Results for F1 metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	3.756	2.951	3.927	3.195	3.793	3.378
	2	_	2,4	_	_	_

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	0.952 ± 0.098	0.901 ± 0.127	0.876 ± 0.146
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	0.285 ± 0.131	0.251 ± 0.105	0.203 ± 0.074	$0.224 \stackrel{-}{\pm} 0.085$	0.215 ± 0.076
glass-0-1-4-6-vs-2	0.261 ± 0.124	0.250 ± 0.136	0.226 ± 0.102	0.209 ± 0.078	$0.210 \stackrel{4}{\pm} 0.074$	0.212 ± 0.083
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.243 ± 0.141	0.208 ± 0.121	0.240 ± 0.113	0.217 ± 0.076	0.211 ± 0.068	0.219 ± 0.067
ecoli-0-1-4-7-vs-2-3-5-6	0.672 ± 0.148	0.648 ± 0.149	0.947 ± 0.106	0.888 ± 0.121	0.849 ± 0.131	0.812 ± 0.158
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	$0.480 \stackrel{2}{\pm} 0.096$	0.463 ± 0.085	0.564 ± 0.123	0.462 ± 0.106	0.493 ± 0.102	0.443 ± 0.103
ecoli-0-1- vs -5	0.868 ± 0.135	0.831 ± 0.144	0.966 ± 0.085	0.957 ± 0.092	$0.926 \overset{4.6}{\pm} 0.116$	0.921 ± 0.120
yeast-2-vs-8	0.485 ± 0.207	0.440 ± 0.173	0.908 ± 0.200	0.908 ± 0.200	0.834 ± 0.227	0.764 ± 0.247
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.671 ± 0.069	0.656 ± 0.073	0.837 ± 0.067	0.836 ± 0.069	0.776 ± 0.083	0.772 ± 0.082
$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	0.828 ± 0.235	0.815 ± 0.243	0.768 ± 0.335	0.706 ± 0.358	$0.801 \stackrel{1,2}{\pm} 0.259$	0.793 ± 0.261
ecoli-0-3-4-7-vs-5-6	$0.730 \stackrel{4}{\pm} 0.150$	$0.716 \stackrel{4}{\pm} 0.160$	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	0.900 ± 0.138	0.877 ± 0.134	0.877 ± 0.134
ecoli4	0.754 ± 0.193	0.729 ± 0.190	0.922 ± 0.118	0.866 ± 0.153	0.832 ± 0.162	0.803 ± 0.176
page-blocks-1-3-vs-4	0.567 ± 0.139	0.589 ± 0.143	0.658 ± 0.204	0.657 ± 0.210	0.634 ± 0.175	0.727 ± 0.195
ecoli- 0 - 3 - 4 - vs - 5	0.826 ± 0.183	$0.807 \stackrel{1}{\pm} 0.182$	0.858 ± 0.168	0.859 ± 0.174	0.833 ± 0.183	$0.831 \stackrel{all}{\pm} 0.185$
yeast-1- vs -7	0.249 ± 0.140	0.230 ± 0.120	0.228 ± 0.128	$0.169 \stackrel{2}{\pm} 0.086$	0.190 ± 0.109	0.172 ± 0.071
yeast4	0.342 ± 0.115	0.315 ± 0.096	0.399 ± 0.122	0.311 ± 0.087	0.351 ± 0.097	0.291 ± 0.078
$ecoli\mbox{-}0\mbox{-}1\mbox{-}4\mbox{-}7\mbox{-}vs\mbox{-}5\mbox{-}6$	0.749 ± 0.175	0.713 ± 0.162	0.906 ± 0.122	0.821 ± 0.131	0.876 ± 0.143	0.840 ± 0.151
vowel0	0.967 ± 0.050	0.982 ± 0.032	0.888 ± 0.094	0.894 ± 0.085	0.906 ± 0.074	0.933 ± 0.064
ecoli- 0 - 3 - 4 - 6 - vs - 5	0.787 ± 0.171	0.766 ± 0.163	0.773 ± 0.177	0.776 ± 0.186	$0.753 \stackrel{3}{\pm} 0.180$	0.750 ± 0.184
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	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	0.746 ± 0.107 $1,2,5,6$	0.640 ± 0.091	0.656 ± 0.099 $1,2,5$
yeast6	$0.392 \stackrel{2}{\pm} 0.105$	0.379 ± 0.104	0.475 ± 0.123	0.393 ± 0.088	0.416 ± 0.110 2.6	0.363 ± 0.111
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	0.564 ± 0.090	0.533 ± 0.131	0.511 ± 0.406	0.705 ± 0.136	0.498 ± 0.239	0.583 ± 0.160 2.5
glass5	0.464 ± 0.311 5.6	0.465 ± 0.322	0.466 ± 0.318	0.430 ± 0.326	0.386 ± 0.208	0.404 ± 0.222
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.815 ± 0.237	0.795 ± 0.262	0.740 ± 0.402	0.770 ± 0.358	0.792 ± 0.275	0.795 ± 0.272
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.250 ± 0.122 $2,4,5,6$	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	0.733 ± 0.200	0.822 ± 0.201 $2.5.6$	0.777 ± 0.198	0.783 ± 0.213	0.746 ± 0.209
glass4	0.571 ± 0.260 3,4,5,6	0.587 ± 0.263 $_{4,5}$	0.533 ± 0.290	0.505 ± 0.287	0.517 ± 0.264	0.527 ± 0.269
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.805 ± 0.188	0.782 ± 0.192	0.867 ± 0.178	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	1.000 ± 0.000	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 $1,2,5,6$	0.834 ± 0.181	0.774 ± 0.201	0.749 ± 0.201
yeast-1-2-8-9- vs -7	0.191 ± 0.122	0.195 ± 0.112	0.138 ± 0.128	0.098 ± 0.061	0.132 ± 0.098	0.129 ± 0.049
yeast-0-3-5-9-vs-7-8	0.342 ± 0.086	0.316 ± 0.084	0.592 ± 0.213	0.567 ± 0.199	0.449 ± 0.143	0.417 ± 0.144
yeast-2- vs -4	$0.769 \stackrel{7}{\pm} 0.113$	0.746 ± 0.114	0.877 ± 0.098 $1,2,5,6$ $1,2,5,6$	0.863 ± 0.118 $1,2,6$	0.842 ± 0.106 $1,2,6$	0.816 ± 0.124 $1,2$
ecoli-0-4-6- vs -5	0.868 ± 0.169 $2,3,5,6$	0.804 ± 0.172	0.803 ± 0.171	0.818 ± 0.171	0.781 ± 0.181	0.790 ± 0.187
ecoli-0-1-3-7-vs-2-6	0.534 ± 0.383	0.573 ± 0.392	0.770 ± 0.402 $1.2.5.6$	0.713 ± 0.401 $1.2.6$	0.614 ± 0.401	0.520 ± 0.377
shuttle- $c2$ - vs - $c4$	1.000 ± 0.000 3.4	1.000 ± 0.000 3.4	0.500 ± 0.500	0.520 ± 0.499	0.920 ± 0.271 3.4	0.920 ± 0.271 3.4
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.760 ± 0.202	0.749 ± 0.199	0.815 ± 0.183 $2,5,6$	0.789 ± 0.182 $5,6$	0.753 ± 0.194	0.719 ± 0.198
yeast5	0.591 ± 0.094	0.581 ± 0.093	0.628 ± 0.096	0.587 ± 0.093	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	2.768	4.659	3.610	3.402	2.878
	2,6	-	all	6	_	_

Table 6: Results for mean ranks according to Precision metric

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	0.160 ± 0.156	0.183 ± 0.160	0.203 ± 0.167	0.297 ± 0.180	0.333 ± 0.173	$0.403 \stackrel{-}{\pm} 0.170$
glass2	0.533 ± 0.260	0.547 ± 0.236	0.642 ± 0.261	0.720 ± 0.249	0.755 ± 0.231	$0.735 \stackrel{all}{\pm} 0.241$
glass-0-1-4-6-vs-2	0.538 ± 0.259	0.520 ± 0.281	0.573 ± 0.276	0.697 ± 0.217	0.732 ± 0.242	0.705 ± 0.240
glass-0-1-6-vs-2	0.517 ± 0.254	0.457 ± 0.252	0.623 ± 0.274	0.745 ± 0.234	0.762 ± 0.211	0.772 ± 0.226
ecoli-0-1-4-7-vs-2-3-5-6	$0.744 \stackrel{2}{\pm} 0.158$	0.758 ± 0.159	0.715 ± 0.167	0.722 ± 0.168	0.730 ± 0.167	0.734 ± 0.161
yeast-0-5-6-7-9-vs-4	0.667 ± 0.136	0.681 ± 0.129	0.579 ± 0.127	0.634 ± 0.141	0.669 ± 0.113	$0.710 \stackrel{-}{\pm} 0.118$
ecoli-0-1-vs-5	$0.850 \stackrel{3}{\pm} 0.150$	0.850 ± 0.150	0.815 ± 0.156	0.825 ± 0.160	0.835 ± 0.155	$0.845 \overset{all}{\pm} 0.149$
yeast-2- vs -8	0.580 ± 0.220	0.610 ± 0.218	0.550 ± 0.229	0.550 ± 0.229	0.550 ± 0.229	$0.555 \stackrel{-}{\pm} 0.225$
yeast-0-2-5-7-9-vs-3-6-8	0.839 ± 0.078	0.840 ± 0.080	0.813 ± 0.083	0.806 ± 0.083	0.830 ± 0.083	$0.826 \stackrel{-}{\pm} 0.082$
glass-0-4-vs-5	0.940 ± 0.190	0.950 ± 0.180	0.700 ± 0.331	0.720 ± 0.362	0.960 ± 0.135	$0.930 \stackrel{3.4}{\pm} 0.173$
ecoli-0-3-4-7-vs-5-6	0.824 ± 0.158	0.828 ± 0.160	0.764 ± 0.163	0.812 ± 0.146	0.816 ± 0.154	0.828 ± 0.154
ecoli-0-1-4-6-vs-5	0.845 ± 0.149	0.845 ± 0.157	0.805 ± 0.175	0.805 ± 0.175	0.830 ± 0.153	$0.830 \stackrel{3}{\pm} 0.153$
ecoli4	0.860 ± 0.194	0.860 ± 0.194	0.855 ± 0.180	0.860 ± 0.194	0.880 ± 0.174	$0.880 \stackrel{-}{\pm} 0.174$
page-blocks-1-3-vs-4	0.869 ± 0.182	$0.847 \stackrel{-}{\pm} 0.191$	0.562 ± 0.211	0.638 ± 0.228	0.703 ± 0.173	0.696 ± 0.180
ecoli-0-3-4- vs -5	0.850 ± 0.200	0.850 ± 0.200	0.840 ± 0.204	0.835 ± 0.197	0.850 ± 0.200	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	$0.474 \stackrel{-}{\pm} 0.162$	0.459 ± 0.119	0.513 ± 0.153	0.515 ± 0.139	0.593 ± 0.132
ecoli-0-1-4-7-vs-5-6	0.816 ± 0.173	0.820 ± 0.156	0.784 ± 0.164	0.800 ± 0.154	0.812 ± 0.151	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	0.845 ± 0.179	0.845 ± 0.179	0.815 ± 0.164	0.810 ± 0.177	0.835 ± 0.177	0.830 ± 0.176
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.780 ± 0.318	0.750 ± 0.335	0.630 ± 0.357	0.630 ± 0.357	0.850 ± 0.287	$0.850 \stackrel{-}{\pm} 0.287$
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.657 ± 0.084	0.664 ± 0.085	0.540 ± 0.103	0.522 ± 0.110	0.616 ± 0.095	0.600 ± 0.097
yeast6	0.669 ± 0.177	0.663 ± 0.168	$0.660 \stackrel{4}{\pm} 0.166$	0.697 ± 0.170	0.694 ± 0.173	$0.720 \overset{3,4}{\pm} 0.161$
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	0.861 ± 0.135	0.775 ± 0.249	0.185 ± 0.182	0.718 ± 0.215	0.347 ± 0.171	0.719 ± 0.290
glass5	0.680 ± 0.396	0.680 ± 0.409	0.690 ± 0.372	0.620 ± 0.381	0.800 ± 0.346	0.800 ± 0.346
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.930 ± 0.173	0.920 ± 0.208	0.550 ± 0.350	0.600 ± 0.331	0.830 ± 0.257	0.840 ± 0.253
$glass\hbox{-}0\hbox{-}1\hbox{-}5\hbox{-}vs\hbox{-}2$	0.497 ± 0.267	0.483 ± 0.262	0.628 ± 0.278	0.725 ± 0.247	0.783 ± 0.226	0.760 ± 0.239
ecoli-0-6-7-vs-3-5	0.760 ± 0.196	0.770 ± 0.189	0.672 ± 0.201	0.694 ± 0.188	0.685 ± 0.206	0.704 ± 0.191
glass4	$3,4,5,6 \\ 0.857 \pm 0.278$	$3,4,5,6$ 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	0.850 ± 0.158	0.850 ± 0.158	0.835 ± 0.155	0.830 ± 0.161	$0.840 \stackrel{3,4}{\pm} 0.156$	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	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	0.530 ± 0.125	0.522 ± 0.140	0.284 ± 0.108	0.314 ± 0.107	0.372 ± 0.124	$0.400 \stackrel{all}{\pm} 0.132$
yeast-2- vs -4	0.774 ± 0.123	0.778 ± 0.125	0.682 ± 0.126	0.701 ± 0.132	0.719 ± 0.127	0.732 ± 0.132
ecoli-0-4-6- vs -5	0.850 ± 0.158	0.850 ± 0.158	0.840 ± 0.156	$0.840 \stackrel{3}{\pm} 0.156$	$0.845 \stackrel{3}{\pm} 0.157$	0.845 ± 0.157
ecoli - 0 - 1 - 3 - 7 - vs - 2 - 6	0.700 ± 0.400	0.700 ± 0.400	$0.700 \stackrel{-}{\pm} 0.400$	0.700 ± 0.400	0.700 ± 0.400	$0.700 \stackrel{-}{\pm} 0.400$
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	0.754 ± 0.193	0.764 ± 0.177	0.681 ± 0.198	0.718 ± 0.176	0.686 ± 0.201	0.714 ± 0.189
yeast5	$^{3,5}_{0.878 \pm 0.104}$	$3,5,6 \\ 0.877 \pm 0.095$	0.828 ± 0.129	0.839 ± 0.123	0.896 ± 0.103	0.880 ± 0.106

Table 7: Results for Recall metric

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

Table 8: Results for mean ranks according to Recall metric

Dataset	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
ecoli-0-1-vs-2-3-5	0.877 ± 0.089	0.873 ± 0.090	0.850 ± 0.092	0.855 ± 0.089	0.857 ± 0.089	0.853 ± 0.087
yeast-1-4-5-8- vs -7	0.547 ± 0.075	$0.553 \stackrel{-}{\pm} 0.077$	0.556 ± 0.081	0.583 ± 0.091	0.593 ± 0.081	$0.614 \stackrel{-}{\pm} 0.086$
glass2	0.707 ± 0.129	$0.712 \stackrel{-}{\pm} 0.116$	0.735 ± 0.129	0.735 ± 0.126	0.760 ± 0.118	0.748 ± 0.119
$glass\hbox{-}0\hbox{-}1\hbox{-}4\hbox{-}6\hbox{-}vs\hbox{-}2$	0.700 ± 0.131	$0.691 \stackrel{-}{\pm} 0.140$	0.697 ± 0.133	0.723 ± 0.113	0.739 ± 0.125	$0.728 \overset{1,2}{\pm} 0.128$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.676 ± 0.132	$0.643 \stackrel{-}{\pm} 0.124$	0.712 ± 0.136	0.739 ± 0.121	$0.739 \stackrel{2}{\pm} 0.101$	0.750 ± 0.105
ecoli-0-1-4-7-vs-2-3-5-6	0.852 ± 0.077	$0.857 \stackrel{-}{\pm} 0.076$	$0.855 \stackrel{2}{\pm} 0.082$	0.856 ± 0.083	0.858 ± 0.082	0.857 ± 0.078
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.793 ± 0.065	$0.797 \stackrel{-}{\pm} 0.061$	$0.764 \stackrel{1}{\pm} 0.062$	0.774 ± 0.066	0.795 ± 0.053	0.803 ± 0.055
ecoli-0-1-vs-5	0.918 ± 0.074	0.916 ± 0.073	0.906 ± 0.078	0.910 ± 0.080	0.914 ± 0.077	0.918 ± 0.074
yeast-2- vs -8	0.774 ± 0.106	0.786 ± 0.105	0.773 ± 0.115	0.773 ± 0.115	0.771 ± 0.116	$0.772 \stackrel{2}{\pm} 0.114$
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.896 ± 0.038	0.895 ± 0.039	0.898 ± 0.041	0.894 ± 0.041	0.902 ± 0.041	0.899 ± 0.040
$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	0.956 ± 0.096	0.959 ± 0.091	0.835 ± 0.164	0.842 ± 0.177	0.957 ± 0.075	0.941 ± 0.088
ecoli-0-3-4-7-vs-5-6	0.893 ± 0.075	0.893 ± 0.076	0.874 ± 0.082	0.893 ± 0.073	0.898 ± 0.078	0.903 ± 0.078
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.914 ± 0.073	0.913 ± 0.077	0.899 ± 0.087	0.898 ± 0.088	$0.909 \stackrel{1,2}{\pm} 0.075$	0.909 ± 0.075
ecoli4	0.918 ± 0.094	0.917 ± 0.094	0.925 ± 0.090	0.925 ± 0.097	0.933 ± 0.086 $1,2,3,6$	0.931 ± 0.086
page-blocks-1-3-vs-4	0.912 ± 0.091 3,4,5,6	0.903 ± 0.094	0.771 ± 0.106	$0.806 \overset{1,2}{\pm} 0.111$	0.837 ± 0.086 $3,4$	0.838 ± 0.091 $3,4,5$
ecoli-0-3-4-vs-5	0.912 ± 0.099	0.910 ± 0.099	0.911 ± 0.104	$0.909 \stackrel{3}{\pm} 0.101$	0.914 ± 0.103	0.909 ± 0.106
yeast-1-vs-7	0.631 ± 0.098	0.634 ± 0.099	0.620 ± 0.087	0.642 ± 0.092	0.632 ± 0.101	0.652 ± 0.101
yeast4	0.717 ± 0.076	0.718 ± 0.080	0.716 ± 0.060	0.736 ± 0.075	0.740 ± 0.069 $1,3$	0.770 ± 0.065
ecoli - 0 - 1 - 4 - 7 - vs - 5 - 6	0.894 ± 0.085	0.894 ± 0.076	0.888 ± 0.081	0.892 ± 0.077	0.900 ± 0.076 $1,2,4,6$	0.899 ± 0.078 1.2
vowel0	0.990 ± 0.026 3,4,5,6	0.991 ± 0.026 $3,4,5,6$	0.836 ± 0.060	0.914 ± 0.061	0.948 ± 0.058	0.952 ± 0.054 3.4.5
ecoli-0-3-4-6-vs-5	0.908 ± 0.089	0.906 ± 0.089	0.893 ± 0.087	0.891 ± 0.094	0.901 ± 0.093	0.898 ± 0.093
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.868 ± 0.157	0.853 ± 0.165	0.794 ± 0.175	0.795 ± 0.175	0.898 ± 0.145	0.897 ± 0.145
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.790 ± 0.041	0.788 ± 0.042	0.759 ± 0.052	0.751 ± 0.054	0.789 ± 0.047	0.782 ± 0.049
yeast6	0.821 ± 0.087	0.818 ± 0.083	0.821 ± 0.083	0.835 ± 0.084	0.835 ± 0.086	0.843 ± 0.079
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	0.899 ± 0.066 $2,3,4,5$	0.857 ± 0.121 3.5	$0.585 \stackrel{2}{\pm} 0.091$	0.842 ± 0.102 3.5	0.657 ± 0.088	$0.837 \stackrel{2}{\pm} 0.142$ 3.5
glass5	0.823 ± 0.196	0.823 ± 0.203	0.824 ± 0.187	0.787 ± 0.192	0.870 ± 0.172	0.871 ± 0.173
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.950 ± 0.086 $3,4,5$	0.945 ± 0.103	0.767 ± 0.183	0.791 ± 0.169	0.900 ± 0.133	0.905 ± 0.131 3.4
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.670 ± 0.135	0.658 ± 0.131	0.708 ± 0.138 1.2	0.715 ± 0.119	0.739 ± 0.108 1.2	0.733 ± 0.111
ecoli-0-6-7-vs-3-5	$0.863 \stackrel{?}{\pm} 0.099$	0.866 ± 0.095	0.827 ± 0.104	0.835 ± 0.098	0.830 ± 0.108	0.837 ± 0.100
glass4	0.904 ± 0.142 $3,4,5,6$	0.905 ± 0.142 $3,4,5,6$	0.779 ± 0.148	0.772 ± 0.147	0.843 ± 0.163	0.854 ± 0.163 3.4
$ecoli\mbox{-}0\mbox{-}2\mbox{-}3\mbox{-}4\mbox{-}vs\mbox{-}5$	0.910 ± 0.078	0.908 ± 0.078	0.908 ± 0.079	0.904 ± 0.082	0.907 ± 0.078	0.909 ± 0.080
$shuttle\hbox{-}c0\hbox{-}vs\hbox{-}c4$	0.996 ± 0.008	0.996 ± 0.008	$0.996 \stackrel{2}{\pm} 0.008$	0.996 ± 0.008	0.996 ± 0.008	0.996 ± 0.008
ecoli-0-6-7- vs -5	0.875 ± 0.101	0.865 ± 0.100	0.865 ± 0.098	0.868 ± 0.096	0.869 ± 0.105	0.867 ± 0.104
yeast-1-2-8-9- vs -7	0.623 ± 0.085	0.634 ± 0.088	0.574 ± 0.075	0.610 ± 0.093	0.643 ± 0.092	0.676 ± 0.083
$yeast\hbox{-}0\hbox{-}3\hbox{-}5\hbox{-}9\hbox{-}vs\hbox{-}7\hbox{-}8$	0.707 ± 0.064	0.697 ± 0.070	0.629 ± 0.053	0.641 ± 0.051	0.659 ± 0.062	0.666 ± 0.065
yeast-2- vs -4	0.873 ± 0.061	0.873 ± 0.062	0.835 ± 0.063	0.844 ± 0.066	0.852 ± 0.064	0.856 ± 0.065
ecoli-0-4-6-vs-5	0.916 ± 0.081	0.912 ± 0.082	0.907 ± 0.079	0.908 ± 0.080	0.907 ± 0.082	0.908 ± 0.083
$ecoli\mbox{-}0\mbox{-}1\mbox{-}3\mbox{-}7\mbox{-}vs\mbox{-}2\mbox{-}6$	0.841 ± 0.197	0.843 ± 0.198	0.849 ± 0.200	0.844 ± 0.203	0.840 ± 0.205	0.837 ± 0.202
shuttle-c2-vs-c4	0.995 ± 0.034	0.995 ± 0.034	0.715 ± 0.229	0.725 ± 0.230	0.950 ± 0.141	0.950 ± 0.141
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.859 ± 0.091	0.862 ± 0.081	0.832 ± 0.102	0.847 ± 0.088	$0.829 \stackrel{3,4}{\pm} 0.101$	$0.839 \overset{3,4}{\pm} 0.096$
yeast5	0.929 ± 0.052	$0.929 \stackrel{5}{\pm} 0.048$	$0.906 \stackrel{5}{\pm} 0.064$	0.910 ± 0.061	0.938 ± 0.052	0.930 ± 0.053

Table 9: Results for AUC metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.073	3.878	1.976	2.610	4.110	4.354
	3,4	3,4	_	3	3,4	3,4

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	0.865 ± 0.106	0.861 ± 0.109	0.829 ± 0.114	0.836 ± 0.110	0.839 ± 0.109	0.835 ± 0.107
yeast-1-4-5-8-vs-7	0.296 ± 0.245	0.330 ± 0.243	0.355 ± 0.240	0.467 ± 0.197	0.502 ± 0.169	0.558 ± 0.144
glass2	0.649 ± 0.215	0.665 ± 0.188	0.701 ± 0.194	0.715 ± 0.164	0.743 ± 0.156	0.729 ± 0.158
$glass\hbox{-}0\hbox{-}1\hbox{-}4\hbox{-}6\hbox{-}vs\hbox{-}2$	0.642 ± 0.229	0.615 ± 0.261	0.639 ± 0.240	0.706 ± 0.148	0.716 ± 0.180	$0.705 \stackrel{1,2}{\pm} 0.182$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.618 ± 0.224	0.565 ± 0.239	0.681 ± 0.178	0.727 ± 0.132	$0.728 \stackrel{2}{\pm} 0.107$	$0.738 \stackrel{2}{\pm} 0.112$
ecoli-0-1-4-7-vs-2-3-5-6	$0.840 \stackrel{2}{\pm} 0.092$	$0.845 \stackrel{-}{\pm} 0.091$	$0.837 \stackrel{2}{\pm} 0.100$	0.839 ± 0.100	0.842 ± 0.100	0.842 ± 0.095
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.779 ± 0.078	0.784 ± 0.071	0.736 ± 0.082	0.756 ± 0.080	0.782 ± 0.064	0.794 ± 0.063
ecoli- 0 - 1 - vs - 5	0.911 ± 0.082	0.909 ± 0.082	0.897 ± 0.088	0.902 ± 0.090	0.906 ± 0.087	0.912 ± 0.083
yeast-2-vs-8	0.733 ± 0.148	0.751 ± 0.142	0.718 ± 0.181	0.718 ± 0.181	0.717 ± 0.180	0.720 ± 0.178
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.893 ± 0.041	0.892 ± 0.042	0.892 ± 0.046	0.889 ± 0.046	0.898 ± 0.045	0.895 ± 0.044
$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	0.942 ± 0.157	0.947 ± 0.153	$0.770 \stackrel{4}{\pm} 0.289$	0.762 ± 0.330	0.953 ± 0.084	0.935 ± 0.101
ecoli - 0 - 3 - 4 - 7 - vs - 5 - 6	0.885 ± 0.085	0.886 ± 0.086	0.862 ± 0.095	0.886 ± 0.081	0.890 ± 0.086	0.896 ± 0.087
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.908 ± 0.081	0.906 ± 0.087	0.889 ± 0.100	0.888 ± 0.100	0.902 ± 0.084	0.902 ± 0.084
ecoli4	0.908 ± 0.112	0.907 ± 0.112	0.916 ± 0.103	0.915 ± 0.116	0.926 ± 0.099 $1,2,3,6$	0.924 ± 0.098
page-blocks-1-3-vs-4	0.905 ± 0.105 3,4,5,6	0.895 ± 0.110 $3,4,5,6$	0.727 ± 0.145	0.773 ± 0.146	0.820 ± 0.103 3,4,6	0.819 ± 0.109 $3,4$
ecoli-0-3-4- vs -5	0.901 ± 0.121	0.899 ± 0.120	0.900 ± 0.126	0.898 ± 0.122	0.904 ± 0.124	0.898 ± 0.127
yeast-1-vs-7	0.526 ± 0.190	0.535 ± 0.192	0.512 ± 0.180	0.583 ± 0.167	$0.542 \stackrel{2}{\pm} 0.203$	0.593 ± 0.187 $1,2,3$
yeast4	0.662 ± 0.116	0.664 ± 0.121	0.662 ± 0.091	0.692 ± 0.111	0.698 ± 0.097 $1,3$	0.744 ± 0.083
ecoli- 0 - 1 - 4 - 7 - vs - 5 - 6	0.884 ± 0.104	0.886 ± 0.088	0.877 ± 0.091	0.883 ± 0.086	0.892 ± 0.085 $1,2,4,6$	0.890 ± 0.089 1.2
vowel0	0.989 ± 0.028 3,4,5,6	0.990 ± 0.028 3,4,5,6	0.818 ± 0.074	0.908 ± 0.068	0.945 ± 0.065	0.949 ± 0.059 3,4,5
ecoli- 0 - 3 - 4 - 6 - vs - 5	0.900 ± 0.101	0.898 ± 0.101	0.885 ± 0.097	0.882 ± 0.105	0.893 ± 0.104	0.890 ± 0.103
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.818 ± 0.272	0.793 ± 0.293	0.701 ± 0.332	0.701 ± 0.332	0.863 ± 0.244	0.862 ± 0.244
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.777 ± 0.049 $3,4,6$	0.777 ± 0.050 $3,4,6$	0.723 ± 0.072	0.711 ± 0.077	0.767 ± 0.063	0.758 ± 0.066
yeast6	0.799 ± 0.112	0.795 ± 0.108	0.798 ± 0.106	0.816 ± 0.107	0.815 ± 0.112	0.828 ± 0.098
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	$0.895 \stackrel{?}{\pm} 0.071$ $2,3,4,5$	0.832 ± 0.184 $3,5$	0.338 ± 0.260	0.820 ± 0.137 3.5	0.556 ± 0.162	$0.803 \stackrel{?}{\pm} 0.199$ 3.5
glass5	0.716 ± 0.376	0.709 ± 0.392 ₄	0.736 ± 0.345	0.679 ± 0.362	0.807 ± 0.314	0.809 ± 0.315
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.944 ± 0.099 3,4,5	$0.930 \stackrel{4}{\pm} 0.162$ $3,4$	0.651 ± 0.349	0.703 ± 0.312	0.879 ± 0.183 $3,4$	0.885 ± 0.181 $3,4$
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.606 ± 0.226	0.593 ± 0.222	0.673 ± 0.198 1.2	0.694 ± 0.153 $1,2$	0.720 ± 0.143 1.2	0.713 ± 0.147 $1,2$
ecoli- 0 - 6 - 7 - vs - 3 - 5	0.849 ± 0.118	0.853 ± 0.113	0.803 ± 0.129	0.815 ± 0.119	0.808 ± 0.132	0.818 ± 0.120
glass4	0.870 ± 0.242 3,4,5,6	0.871 ± 0.242 $3,4,5,6$	0.716 ± 0.253	0.708 ± 0.251	0.793 ± 0.272 ₄	0.805 ± 0.272 $3,4$
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.903 ± 0.086	0.901 ± 0.087	0.901 ± 0.088	0.897 ± 0.092	0.901 ± 0.087	0.902 ± 0.089
shuttle-c0-vs-c4	0.996 ± 0.008	0.996 ± 0.008	0.995 ± 0.008	0.995 ± 0.008	0.996 ± 0.008	0.996 ± 0.008
ecoli-0-6-7-vs-5	0.863 ± 0.119	0.852 ± 0.121	0.849 ± 0.116	0.854 ± 0.115	0.855 ± 0.123 $2.3.4.6$	0.853 ± 0.122
yeast-1-2-8-9- vs -7	0.481 ± 0.210	0.507 ± 0.206 3	0.355 ± 0.236	0.495 ± 0.206	$0.540 \pm 0.214 \\ 3$	0.628 ± 0.117 $1,2,3,4$
yeast-0-3-5-9-vs-7-8	0.679 ± 0.084	$0.668 \pm 0.095 \\ 3,4,5,6$	0.512 ± 0.120	0.538 ± 0.114	0.580 ± 0.124 $3,4$	0.597 ± 0.123 $3,4$
yeast-2-vs-4	$0.865 \pm 0.069 \\ 3,4,5,6$	$0.865 \pm 0.071 \\ 3,4,5,6$	0.817 ± 0.076	0.828 ± 0.078	0.838 ± 0.075	0.843 ± 0.076
ecoli-0-4-6-vs-5	$ \begin{array}{c} 3,4,5,6\\0.909 \pm 0.090\\ all \end{array} $	$3,4,5,6 \\ 0.905 \pm 0.090 \\ -$	0.900 ± 0.088	0.901 ± 0.088	0.901 ± 0.090 ₄	0.902 ± 0.091
ecoli-0-1-3-7-vs-2-6	0.734 ± 0.383	0.735 ± 0.384	0.741 ± 0.387 $1,2,5,6$ 0.459 ± 0.468	0.739 ± 0.385 $1,2,6$	0.736 ± 0.385	0.733 ± 0.382
shuttle- $c2$ - vs - $c4$	0.994 ± 0.041 3,4	0.994 ± 0.041 $3,4$	_	0.479 ± 0.469	0.908 ± 0.273 3,4	0.908 ± 0.273 $3,4$
ecoli-0-2-6-7-vs-3-5	$0.844 \pm 0.111 \\ 5$	0.850 ± 0.096	0.809 ± 0.127 ₅	0.830 ± 0.106 $5,6$	0.807 ± 0.125	0.822 ± 0.115
yeast5	$\begin{array}{c c} & 5 \\ 0.926 \pm 0.057 \\ & 4 \end{array}$	$0.926 \pm 0.052 \\ 4$	0.900 ± 0.073 -	$\begin{array}{c} 5,6 \\ 0.905 \pm 0.068 \\ 3 \end{array}$	0.935 ± 0.056 3,4	0.927 ± 0.057 3,4

Table 11: Results for GMEAN metric

	OSB (1)	OKNORAU (2)	TBAC (3)	TBAW (4)	OTBAC (5)	OTBAW (6)
Mean rank	4.098	3.902	1.878	2.585	4.195	4.341
	3,4	3,4	_	3	3,4	3,4

Table 12: Results for mean ranks according to GMEAN metric