Dataset	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
glass4	0.572 ± 0.129	0.788 ± 0.148	0.788 ± 0.140	0.767 ± 0.155	0.774 ± 0.147	0.695 ± 0.156	0.760 ± 0.150
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.780 ± 0.098	0.812 ± 0.100	0.891 ± 0.082	0.904 ± 0.078	0.903 ± 0.079	$0.901 \stackrel{1}{\pm} 0.078$	0.902 ± 0.080
glass- 0 - 1 - 6 - vs - 2	0.565 ± 0.111	$0.571 \stackrel{1}{\pm} 0.115$	0.598 ± 0.147	0.710 ± 0.125	0.717 ± 0.116	0.605 ± 0.126	0.612 ± 0.104
ecoli-0-1-vs-5	0.800 ± 0.143	$0.859 \stackrel{-}{\pm} 0.133$	$0.895 \stackrel{1,2}{\pm} 0.090$	0.900 ± 0.075	0.898 ± 0.079	$0.907 \overset{1,2}{\pm} 0.075$	$0.908 \stackrel{1,2}{\pm} 0.074$
yeast-1-4-5-8-vs-7	0.544 ± 0.012	$0.546 \stackrel{1}{\pm} 0.014$	0.572 ± 0.055	0.629 ± 0.097	$0.629 \stackrel{1}{\pm} 0.098$	0.583 ± 0.064	0.589 ± 0.071
ecoli4	0.886 ± 0.083	0.896 ± 0.064	0.931 ± 0.072	0.932 ± 0.082	0.933 ± 0.082	0.939 ± 0.080	0.935 ± 0.081
$led 7 digit \hbox{-} 0\hbox{-} 2\hbox{-} 4\hbox{-} 5\hbox{-} 6\hbox{-} 7\hbox{-} 8\hbox{-} 9\hbox{-} vs\hbox{-} 1$	0.853 ± 0.073	$0.868 \stackrel{1}{\pm} 0.062$	0.878 ± 0.067	0.653 ± 0.089	0.654 ± 0.091	0.884 ± 0.080	0.870 ± 0.096
glass5	0.948 ± 0.103	0.885 ± 0.156	0.886 ± 0.156	0.903 ± 0.155	0.903 ± 0.155	0.902 ± 0.156	0.901 ± 0.155
ecoli-0-3-4-6- vs -5	0.755 ± 0.102	0.809 ± 0.106	0.894 ± 0.106	0.897 ± 0.088	0.899 ± 0.089	0.893 ± 0.091	0.895 ± 0.096
yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.501 ± 0.026	0.500 ± 0.022	0.675 ± 0.148	0.791 ± 0.045	0.801 ± 0.053	0.720 ± 0.090	0.733 ± 0.108
yeast6	0.636 ± 0.023	0.645 ± 0.029	0.763 ± 0.044	0.887 ± 0.056	0.886 ± 0.056	0.837 ± 0.054	0.833 ± 0.068
ecoli-0-6-7- vs -5	0.813 ± 0.124	0.835 ± 0.107	0.877 ± 0.103	0.870 ± 0.100	0.873 ± 0.096	0.871 ± 0.098	0.868 ± 0.098
$glass\hbox{-}0\hbox{-}1\hbox{-}6\hbox{-}vs\hbox{-}5$	0.956 ± 0.109	0.889 ± 0.150	0.889 ± 0.150	0.886 ± 0.150	0.886 ± 0.150	0.886 ± 0.151	0.886 ± 0.151
ecoli - 0 - 1 - 3 - 7 - vs - 2 - 6	0.831 ± 0.193	0.844 ± 0.200	0.845 ± 0.200	0.844 ± 0.203	0.841 ± 0.204	0.841 ± 0.202	0.839 ± 0.202
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.675 ± 0.048	0.772 ± 0.053	0.776 ± 0.047	0.715 ± 0.055	0.763 ± 0.057	0.656 ± 0.055	0.722 ± 0.073
ecoli-0-1-4-7- vs -5-6	0.742 ± 0.131	0.816 ± 0.138	0.867 ± 0.114	0.854 ± 0.106	0.872 ± 0.104	0.849 ± 0.093	0.882 ± 0.081
yeast5	0.825 ± 0.024	$0.800 \stackrel{1}{\pm} 0.031$	0.845 ± 0.027	0.973 ± 0.023	0.973 ± 0.023	0.970 ± 0.033	0.969 ± 0.035
shuttle- $c2$ - vs - $c4$	0.988 ± 0.022	0.991 ± 0.037	0.988 ± 0.049	0.890 ± 0.200	0.890 ± 0.200	0.887 ± 0.201	0.888 ± 0.201
ecoli - 0 - 1 - 4 - 7 - vs - 2 - 3 - 5 - 6	0.651 ± 0.090	0.663 ± 0.119	0.776 ± 0.140	0.807 ± 0.113	0.852 ± 0.102	0.805 ± 0.102	0.865 ± 0.094
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.550 ± 0.018	0.547 ± 0.032	0.673 ± 0.087	0.670 ± 0.079	0.691 ± 0.074	0.630 ± 0.054	0.650 ± 0.070
yeast-1-vs-7	0.594 ± 0.037	0.593 ± 0.039	0.683 ± 0.101	0.671 ± 0.102	0.671 ± 0.102	0.663 ± 0.084	0.666 ± 0.085
yeast-1-2-8-9- vs -7	0.540 ± 0.011	0.543 ± 0.013	0.585 ± 0.053	0.685 ± 0.087	0.687 ± 0.089	0.612 ± 0.068	0.615 ± 0.074
ecoli-0-1-4-6- vs -5	0.847 ± 0.098	0.883 ± 0.092	0.897 ± 0.088	0.902 ± 0.076	0.901 ± 0.076	0.898 ± 0.078	0.901 ± 0.076
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.555 ± 0.134	0.524 ± 0.112	0.607 ± 0.150	0.702 ± 0.116	0.703 ± 0.112	0.577 ± 0.079	0.585 ± 0.082
yeast-2-vs-4	0.608 ± 0.128	0.583 ± 0.120	0.835 ± 0.116	0.863 ± 0.067	0.866 ± 0.063	0.861 ± 0.070	0.864 ± 0.062
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.945 ± 0.140	0.910 ± 0.154	0.910 ± 0.154	0.860 ± 0.174	0.860 ± 0.174	0.860 ± 0.173	0.860 ± 0.173
glass2	0.607 ± 0.098	0.623 ± 0.093	0.635 ± 0.135	0.738 ± 0.108	0.739 ± 0.109	0.655 ± 0.086	0.667 ± 0.087
yeast-2-vs-8	0.637 ± 0.090	0.658 ± 0.088	0.779 ± 0.105	0.776 ± 0.111	0.775 ± 0.111	0.777 ± 0.110	0.780 ± 0.112
vowel0	0.915 ± 0.037	0.904 ± 0.026	0.921 ± 0.025	0.883 ± 0.060	0.921 ± 0.050	0.878 ± 0.054	0.897 ± 0.042
$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	0.975 ± 0.083	0.920 ± 0.123	0.925 ± 0.121	0.935 ± 0.120	0.940 ± 0.117	0.935 ± 0.120	0.940 ± 0.117
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 4\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.579 ± 0.128	0.585 ± 0.132	0.620 ± 0.150	0.724 ± 0.105	0.730 ± 0.106	0.636 ± 0.100	0.641 ± 0.084
yeast4	0.551 ± 0.039	0.526 ± 0.025	0.577 ± 0.046	0.809 ± 0.066	0.812 ± 0.064	0.672 ± 0.078	0.662 ± 0.101
ecoli-0-4- 6 - vs - 5	$0.851 \stackrel{2}{\pm} 0.114$	0.882 ± 0.103	0.899 ± 0.095	0.901 ± 0.082	0.900 ± 0.082	0.902 ± 0.083	0.901 ± 0.084
page-blocks-1-3-vs-4	0.765 ± 0.095	0.772 ± 0.100	0.820 ± 0.128	0.750 ± 0.094	0.790 ± 0.105	0.747 ± 0.091	0.754 ± 0.090
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.576 ± 0.028	0.547 ± 0.054	0.747 ± 0.135	0.894 ± 0.033	0.892 ± 0.034	0.841 ± 0.074	0.876 ± 0.064
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.607 ± 0.157	$0.628 \stackrel{-}{\pm} 0.168$	0.823 ± 0.142	0.825 ± 0.114	0.836 ± 0.114	0.847 ± 0.099	0.869 ± 0.085
ecoli- 0 - 6 - 7 - vs - 3 - 5	0.587 ± 0.158	0.631 ± 0.173	0.694 ± 0.147	0.800 ± 0.094	0.828 ± 0.106	0.804 ± 0.092	0.827 ± 0.095
ecoli - 0 - 3 - 4 - 7 - vs - 5 - 6	0.778 ± 0.080	0.834 ± 0.089	0.894 ± 0.081	0.874 ± 0.078	0.886 ± 0.079	0.884 ± 0.091	0.892 ± 0.081
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.586 ± 0.145	0.635 ± 0.157	0.687 ± 0.143	0.813 ± 0.102	0.821 ± 0.105	0.793 ± 0.091	0.824 ± 0.105
shuttle-c0-vs-c4	0.990 ± 0.012	0.989 ± 0.014	0.989 ± 0.014	0.994 ± 0.009	0.994 ± 0.009	0.994 ± 0.009	0.994 ± 0.009
ecoli-0-3-4-vs-5	0.788 ± 0.105	0.826 ± 0.111	0.893 ± 0.110	0.908 ± 0.103	0.907 ± 0.104	0.910 ± 0.102	0.909 ± 0.102
	<u> </u>	1	1,2	1,2,3	1,2,3	1,2,3	1,2,3

Table 1: Results for BAC metric

	$\mid \text{ GNB (1)} \mid \text{ OSB (2)} \mid \text{ OKNORAU (3)} \mid \text{ TBAC (4)} \mid \text{ OTBAC (5)} \mid \text{ TBAW (6)} \mid \text{ OTBAW (7)}$									
$Mean\ rank$	2.195	2.476	4.183	4.890	5.573	3.951	4.732			
	_	_	1,2	1,2,6	all	1,2	1,2,6			

Table 2: Results for mean ranks according to BAC metric

Dataset	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
glass4	0.190 ± 0.222	0.450 ± 0.201	0.500 ± 0.207	0.482 ± 0.245	0.497 ± 0.239	0.344 ± 0.222	0.439 ± 0.204
ecoli-0-2-3-4- vs -5	0.442 ± 0.170	0.499 ± 0.191	0.717 ± 0.161	0.802 ± 0.124	0.799 ± 0.128	0.786 ± 0.129	0.779 ± 0.131
glass-0-1-6-vs-2	0.184 ± 0.057	$0.186 \stackrel{1}{\pm} 0.062$	0.212 ± 0.106	0.300 ± 0.104	0.304 ± 0.099	0.202 ± 0.065	0.204 ± 0.055
ecoli-0-1-vs-5	0.667 ± 0.299	$0.747 \stackrel{-}{\pm} 0.247$	$0.832 \stackrel{1,2}{\pm} 0.139$	0.865 ± 0.102	0.861 ± 0.109	0.871 ± 0.105	0.873 ± 0.103
yeast-1-4-5-8-vs-7	0.090 ± 0.002	$0.091 \stackrel{1}{\pm} 0.002$	$0.097 \overset{1,2}{\pm} 0.012$	0.144 ± 0.052	0.144 ± 0.052	0.103 ± 0.027	0.108 ± 0.033
ecoli4	0.454 ± 0.158	0.459 ± 0.129	0.695 ± 0.185	0.834 ± 0.152	0.796 ± 0.160	0.812 ± 0.157	0.776 ± 0.164
led7 digit - 0 - 2 - 4 - 5 - 6 - 7 - 8 - 9 - vs - 1	0.553 ± 0.117	0.535 ± 0.093	0.611 ± 0.140	0.386 ± 0.175	0.385 ± 0.176	0.603 ± 0.123	0.581 ± 0.130
glass5	0.747 ± 0.183	0.675 ± 0.249	0.688 ± 0.257	0.803 ± 0.277	0.803 ± 0.277	0.784 ± 0.277	0.780 ± 0.276
ecoli-0-3-4-6-vs-5	0.384 ± 0.145	0.467 ± 0.175	0.733 ± 0.201	0.772 ± 0.148	0.768 ± 0.149	0.763 ± 0.162	0.762 ± 0.170
yeast-0-5-6-7-9-vs-4	0.176 ± 0.008	$0.176 \stackrel{1}{\pm} 0.007$	0.304 ± 0.115	0.464 ± 0.083	0.460 ± 0.094	0.383 ± 0.127	0.377 ± 0.119
yeast6	$0.063 \stackrel{2}{\pm} 0.004$	0.064 ± 0.005	$0.105 \overset{1,2}{\pm} 0.026$	0.378 ± 0.052	0.372 ± 0.054	0.205 ± 0.114	0.219 ± 0.130
ecoli-0-6-7-vs-5	0.610 ± 0.231	$0.514 \stackrel{1}{\pm} 0.159$	0.688 ± 0.195	0.758 ± 0.165	0.748 ± 0.153	0.732 ± 0.163	0.714 ± 0.176
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.807 ± 0.227	0.754 ± 0.266	0.754 ± 0.266	0.776 ± 0.267	0.776 ± 0.267	0.773 ± 0.269	0.773 ± 0.269
ecoli-0-1-3-7-vs-2-6	$0.421 \stackrel{-}{\pm} 0.251$	0.605 ± 0.348	0.631 ± 0.359	0.659 ± 0.369	0.626 ± 0.364	0.586 ± 0.344	0.577 ± 0.337
yeast - 0 - 2 - 5 - 6 - vs - 3 - 7 - 8 - 9	0.466 ± 0.094	$0.590 \stackrel{1}{\pm} 0.082$	$0.603 \stackrel{1.7}{\pm} 0.077$	0.549 ± 0.103	$0.608 \stackrel{1}{\pm} 0.090$	$0.438 \stackrel{1}{\pm} 0.116$	0.543 ± 0.119
ecoli - 0 - 1 - 4 - 7 - vs - 5 - 6	0.590 ± 0.239	0.648 ± 0.235	0.742 ± 0.192	0.771 ± 0.183	0.779 ± 0.181	0.749 ± 0.154	0.780 ± 0.141
yeast5	0.152 ± 0.019	0.135 ± 0.019	$0.170 \stackrel{1,2}{\pm} 0.027$	0.611 ± 0.067	0.611 ± 0.067	0.596 ± 0.101	0.595 ± 0.105
shuttle- $c2$ - vs - $c4$	0.881 ± 0.211	0.956 ± 0.136	0.968 ± 0.109	0.787 ± 0.398	0.787 ± 0.398	0.749 ± 0.391	0.769 ± 0.395
ecoli - 0 - 1 - 4 - 7 - vs - 2 - 3 - 5 - 6	0.426 ± 0.208	0.431 ± 0.224	0.643 ± 0.247	0.722 ± 0.187	0.778 ± 0.165	0.711 ± 0.166	0.774 ± 0.148
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.196 ± 0.006	0.196 ± 0.019	$0.309 \stackrel{1,2}{\pm} 0.101$	0.379 ± 0.112	0.401 ± 0.109	0.338 ± 0.126	0.354 ± 0.129
yeast-1-vs-7	0.148 ± 0.011	0.148 ± 0.012	0.205 ± 0.059	0.242 ± 0.094	0.228 ± 0.072	0.203 ± 0.078	0.191 ± 0.046
$yeast\hbox{-} 1\hbox{-} 2\hbox{-} 8\hbox{-} 9\hbox{-} vs\hbox{-} 7$	0.066 ± 0.001	0.067 ± 0.001	0.074 ± 0.008	0.170 ± 0.056	0.170 ± 0.057	0.097 ± 0.049	0.103 ± 0.054
ecoli-0-1-4-6- vs -5	0.652 ± 0.214	$0.635 \stackrel{1}{\pm} 0.178$	0.741 ± 0.173	0.809 ± 0.107	0.802 ± 0.110	0.788 ± 0.101	0.795 ± 0.107
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.200 ± 0.081	0.182 ± 0.061	0.234 ± 0.112	0.305 ± 0.097	0.306 ± 0.095	0.207 ± 0.047	0.210 ± 0.050
yeast-2-vs-4	$0.301 \stackrel{2}{\pm} 0.222$	0.240 ± 0.114	0.591 ± 0.159	0.759 ± 0.114	0.734 ± 0.102	0.724 ± 0.145	$0.690 \stackrel{2}{\pm} 0.106$
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.867 ± 0.273	0.821 ± 0.282	$0.821\overset{1,2}{\pm}0.282$	0.773 ± 0.322	0.773 ± 0.322	0.769 ± 0.321	0.769 ± 0.321
glass2	0.186 ± 0.050	0.193 ± 0.048	0.212 ± 0.082	0.319 ± 0.096	0.321 ± 0.102	0.210 ± 0.053	0.215 ± 0.053
yeast-2-vs-8	0.193 ± 0.205	0.188 ± 0.185	0.501 ± 0.175	0.665 ± 0.200	0.661 ± 0.201	0.653 ± 0.213	0.654 ± 0.209
vowel0	0.720 ± 0.049	0.596 ± 0.039	0.642 ± 0.034	0.804 ± 0.079	0.801 ± 0.066	0.754 ± 0.076	0.659 ± 0.055
$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	0.925 ± 0.170	0.853 ± 0.197	$0.859 \stackrel{2}{\pm} 0.197$	0.907 ± 0.189	0.913 ± 0.186	0.907 ± 0.189	0.913 ± 0.186
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 4\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.177 ± 0.060	0.179 ± 0.061	0.208 ± 0.088	0.311 ± 0.092	0.313 ± 0.092	0.203 ± 0.038	0.205 ± 0.033
yeast4	0.074 ± 0.006	0.070 ± 0.004	0.079 ± 0.008	0.326 ± 0.057	0.325 ± 0.055	0.146 ± 0.096	0.160 ± 0.114
ecoli-0-4-6- vs -5	0.670 ± 0.212	0.683 ± 0.189	0.770 ± 0.186	0.785 ± 0.140	0.782 ± 0.141	0.782 ± 0.148	0.775 ± 0.146
page-blocks-1-3-vs-4	0.502 ± 0.143	0.489 ± 0.147	0.553 ± 0.180	0.537 ± 0.166	0.582 ± 0.169	0.526 ± 0.156	0.521 ± 0.144
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.206 ± 0.012	0.201 ± 0.062	0.400 ± 0.177	0.718 ± 0.098	0.687 ± 0.104	0.606 ± 0.226	0.656 ± 0.147
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.267 ± 0.338	0.306 ± 0.345	0.728 ± 0.262	0.753 ± 0.217	0.765 ± 0.213	0.780 ± 0.159	0.806 ± 0.136
ecoli-0-6-7- vs -3-5	0.202 ± 0.307	0.281 ± 0.299	0.446 ± 0.257	0.669 ± 0.167	0.686 ± 0.165	0.652 ± 0.168	0.662 ± 0.163
ecoli - 0 - 3 - 4 - 7 - vs - 5 - 6	0.414 ± 0.114	0.515 ± 0.140	0.730 ± 0.126	0.765 ± 0.123	0.776 ± 0.122	0.754 ± 0.145	0.756 ± 0.130
$ecoli\mbox{-}0\mbox{-}2\mbox{-}6\mbox{-}7\mbox{-}vs\mbox{-}3\mbox{-}5$	0.216 ± 0.296	0.316 ± 0.288	0.439 ± 0.267	0.677 ± 0.183	0.675 ± 0.177	0.617 ± 0.179	0.648 ± 0.177
shuttle-c0-vs-c4	0.978 ± 0.022	$0.977 \stackrel{1}{\pm} 0.022$	0.977 ± 0.022	0.994 ± 0.009	0.994 ± 0.009	0.994 ± 0.009	0.994 ± 0.009
ecoli-0-3-4-vs-5	0.443 ± 0.172	0.518 ± 0.188	0.729 ± 0.182	0.796 ± 0.160	0.792 ± 0.160	0.796 ± 0.161	0.793 ± 0.161
	<u> </u>	1	1,2	1,2,3	1,2,3	1,2,3	1,2,3

Table 3: Results for F1 metric

	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
Mean rank	2.049	2.037	3.646	5.915	5.817	4.146	4.390
	_	_	1,2	1,2,3,6,7	1,2,3,6,7	1,2	1,2,3

Table 4: Results for mean ranks according to F1 metric

coch-0.2-1.4-a-5 0.337 ± 0.200 0.304 ± 0.205 0.106 ± 0.334 0.107 ± 0.006 0.	Dataset	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
coche-be-be-de-mode 0.387 ± 0.000 0.390 ± 0.025 0.050 ± 0.031 0.070 ± 0.075 0.075 ± 0.075 ± 0.075 ± 0.075 0.075 ± 0.075	glass4	0.207 ± 0.281					0.293 ± 0.222	0.380 ± 0.210
	ecoli-0-2-3-4- vs -5	0.337 ± 0.200					0.769 ± 0.176	0.752 ± 0.178
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.106 ± 0.034						0.116 ± 0.033
$posset - f - f - s - s - r = 0.047 \pm 0.001 0.047 \pm 0.010 0.051 \pm 0.066 0.084 \pm 0.031 0.084 \pm 0.031 0.055 \pm 0.016 0.099 \pm 0.020 0.091 \pm 0.001 0.081 \pm 0.031 0.081 \pm 0.031 0.081 \pm 0.031 0.085 \pm 0.016 0.081 \pm 0.081 0.081 \pm 0.081 $	ecoli-0-1-vs-5	0.785 ± 0.364	0.802 ± 0.273			0.958 ± 0.099	0.954 ± 0.109	0.959 ± 0.105
$ \begin{array}{c} cold \\ c$	yeast-1-4-5-8-vs-7	0.047 ± 0.001	0.047 ± 0.001					0.059 ± 0.020
	ecoli4	0.315 ± 0.155	$0.314 \stackrel{1}{\pm} 0.131$					0.710 ± 0.206
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	led7 digit - 0 - 2 - 4 - 5 - 6 - 7 - 8 - 9 - vs - 1	0.428 ± 0.117	0.392 ± 0.090					0.478 ± 0.132
$ \begin{array}{c} cohle-3-4-re-5-2 \\ cohle-3-4-re-5-2 \\ cohle-3-4-re-5-4 \\ cohle-3-6-7-9-w-4 \\ cohle-3-6-7-9-w-5 \\ c$	glass5	0.655 ± 0.213	0.633 ± 0.272		0.850 ± 0.292	0.850 ± 0.292	0.810 ± 0.298	0.803 ± 0.297
$\begin{array}{c} past-6-6-7-v-v-4 \\ past 6 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	ecoli-0-3-4-6-vs-5	0.274 ± 0.157	0.344 ± 0.181		0.742 ± 0.177	0.731 ± 0.179	0.731 ± 0.196	0.723 ± 0.198
$ \begin{array}{c} poset 5 \\ colis - 0.6 - 7. ss. 5 \\ col$	yeast - 0 - 5 - 6 - 7 - 9 - vs - 4	0.097 ± 0.005	$0.097 \stackrel{1}{\pm} 0.004$	0.191 ± 0.087	0.353 ± 0.118	0.335 ± 0.105	0.293 ± 0.144	0.262 ± 0.107
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	yeast6	$0.032 \stackrel{2}{\pm} 0.002$	0.033 ± 0.003			0.241 ± 0.041	0.122 ± 0.081	0.133 ± 0.092
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	ecoli-0- 6 - 7 - vs - 5	0.597 ± 0.279	$0.395 \stackrel{1}{\pm} 0.173$		0.787 ± 0.187	0.758 ± 0.179	0.734 ± 0.207	0.694 ± 0.208
$\begin{array}{c} y_{coti-0-1-4-7-vs-5-6} \\ y_{coti-0-1-4-6-vs-5} \\ y_{coti-0-1-4-6-vs-5} \\ y_{coti-0-1-4-6-vs-5} \\ y_{coti-0-1-4-6-vs-5} \\ y_{coti-0-1-4-4-vs-5} \\ y_{coti-0-1-4-vs-5-1-4-vs-7} \\ y_{coti-0-1-4-vs-5-1-4-vs-7-1-4-vs-7} \\ y_{coti-0-1-4-vs-5-1-4-vs-7-1-4-vs$	$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.756 ± 0.272	0.780 ± 0.298	$0.780 \stackrel{2}{\pm} 0.298$				0.817 ± 0.289
$\begin{array}{c} past - 0 - 2 - 6 - 6 - 8 - 3 - 7 - 8 - 9 \\ celi-0 - 1 - 4 - 7 - 8 - 5 - 6 \\ celi-0 - 2 - 4 - 8 - 1 - 6 - 1$	ecoli - 0 - 1 - 3 - 7 - vs - 2 - 6	0.353 ± 0.279	0.573 ± 0.365	0.620 ± 0.380		0.630 ± 0.398	0.562 ± 0.372	0.560 ± 0.375
$\begin{array}{c} cosit-0-4-7-vs-5-6 \\ yeast5 \\ yeast5 \\ 0.682\pm 0.301 \\ 0.082\pm 0.011 \\ 0.073\pm 0.011 \\ 0.073\pm 0.011 \\ 0.093\pm 0.016 \\ 0.097\pm 0.124 \\ 0.099\pm 0.003 \\ 0.101\pm 0.015 \\ 0.001\pm 0.015 \\ 0.001$	$yeast \hbox{-} 0 \hbox{-} 2 \hbox{-} 5 \hbox{-} 6 \hbox{-} vs \hbox{-} 3 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9$		$0.607 \stackrel{1}{\pm} 0.088$	0.623 ± 0.089	0.727 ± 0.106			$0.696 \stackrel{1}{\pm} 0.098$
$\begin{array}{c} shuttle-c2-vs-c4\\ shuttle-c2-vs-c4\\ ccoli-0-1-4-7-vs-2-3-5-6\\ ccoli-0-1-4-6-vs-2\\ ccoli-0-1-4-6-v$	ecoli - 0 - 1 - 4 - 7 - vs - 5 - 6	0.838 ± 0.239	0.688 ± 0.243		0.874 ± 0.185	0.838 ± 0.192	0.821 ± 0.179	0.807 ± 0.184
$\begin{array}{llllllllllllllllllllllllllllllllllll$	yeast5		0.073 ± 0.011	0.093 ± 0.016	0.446 ± 0.068	0.446 ± 0.068	0.433 ± 0.092	0.433 ± 0.094
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	shuttle- $c2$ - vs - $c4$	0.840 ± 0.277		0.975 ± 0.124				0.773 ± 0.401
$\begin{array}{c} yeast-0.3-5-9\cdot vs-7-8\\ yeast-1\cdot vs-7\\ yeast-1-vs-7\\ yeast-1-vs-7\\ yeast-1-vs-7\\ yeast-1-vs-8-9\cdot vs-7\\ 0.030\pm0.000\\ 0.010\pm0.000\\ 0.000\pm0.000\\ $	ecoli - 0 - 1 - 4 - 7 - vs - 2 - 3 - 5 - 6	0.778 ± 0.304		0.826 ± 0.222				0.839 ± 0.150
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.109 ± 0.003	0.110 ± 0.015	0.213 ± 0.092	0.435 ± 0.174	0.400 ± 0.165	0.454 ± 0.260	0.378 ± 0.207
$\begin{array}{c} yeast-1-2-8-9-w-7 \\ yeast-6-v-8-5 \\ yea$	yeast-1-vs-7	0.080 ± 0.006	0.080 ± 0.006	0.119 ± 0.037	0.159 ± 0.081	0.143 ± 0.045	0.123 ± 0.070	0.109 ± 0.028
$\begin{array}{c} cobi-0-1-4-6-w-5 \\ glass-0-1-5-w-2 \\ veast-2-vs-4 \\ glass-0-1-5-vs-2 \\ veast-2-vs-4 \\ glass-0-6-w-5 \\ olivarray (a) = 0.0052 \\ olivarray (b) = 0.0052 \\ olivarray (b$	yeast-1-2-8-9- vs -7	0.034 ± 0.000	0.035 ± 0.001	0.039 ± 0.004	0.102 ± 0.034	0.102 ± 0.035	0.054 ± 0.032	0.058 ± 0.035
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ecoli- 0 - 1 - 4 - 6 - vs - 5	0.624 ± 0.271	0.540 ± 0.212	0.705 ± 0.226	0.838 ± 0.159	0.825 ± 0.166	0.807 ± 0.162	0.808 ± 0.156
$\begin{array}{c} yeast-2\cdot vs-4\\ yeass-6\cdot s-5\\ yeast-2\cdot vs-4\\ yeast-2\cdot vs-5\\ yeast-2\cdot vs-8\\ $	$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.119 ± 0.052	0.104 ± 0.036	0.146 ± 0.074	0.195 ± 0.067	0.195 ± 0.066		0.120 ± 0.030
$\begin{array}{c} glass-0-6-vs-5 \\ glass-2 \\ glass-2 \\ vowell \\ 0 \\ glass-0-4-vs-5 \\ 0 \\ 0.610\pm0.032 \\ vowell \\ 0 \\ 0.610\pm0.063 \\ 0.404\pm0.041 \\ 0.106\pm0.020 \\ 0.910\pm0.020 \\ 0.106\pm0.031 \\ 0.404\pm0.041 \\ 0.488\pm0.039 \\ 0.844\pm0.084 \\ 0.123\pm0.034 \\ 0.123\pm0.0$	yeast-2-vs-4	0.235 ± 0.270	0.147 ± 0.097	0.485 ± 0.160	0.791 ± 0.154	0.720 ± 0.125		0.628 ± 0.127
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	glass-0-6-vs-5	0.853 ± 0.284	0.847 ± 0.290					0.873 ± 0.325
$\begin{array}{c} yeast-2-vs-8\\ vowel0\\ \\ yeast-0-4-vs-5\\ \\ yeast-0-4-vs-5\\ \\ yeast-0-1-4-6-vs-2\\ \\ ccoli-0-1-vs-2-3-5\\ \\ ccoli-0-2-6-7-vs-3-5\\ \\ ecoli-0-2-6-7-vs-3-5\\ \\ shuttle-co-vs-c4\\ \\ \end{array} \begin{array}{c} 0.171\pm0.241\\ 0.156\pm0.215\\ 0.171\pm0.215\\ 0.156\pm0.215\\ 0.156\pm0.215\\ 0.156\pm0.215\\ 0.156\pm0.215\\ 0.156\pm0.215\\ 0.156\pm0.215\\ 0.152\pm0.225\\ 0.152\pm0.213\\ 0.152\pm0.225\\ 0$	glass2	0.106 ± 0.029	0.109 ± 0.028				0.120 ± 0.034	0.122 ± 0.034
$\begin{array}{c} vowel0 \\ glass-0-4-vs-5 \\ glass-0-4-vs-5 \\ \\ glass-0-1-4-6-vs-2 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	yeast-2-vs-8		0.156 ± 0.215	0.520 ± 0.275	0.911 ± 0.189	0.896 ± 0.199		0.851 ± 0.235
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	vowel0	0.610 ± 0.063	0.440 ± 0.041		0.844 ± 0.084	0.747 ± 0.069	0.733 ± 0.078	0.535 ± 0.061
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	0.913 ± 0.195	0.910 ± 0.200	$0.910 \stackrel{?}{\pm} 0.200$	0.980 ± 0.139	0.980 ± 0.139	0.980 ± 0.139	0.980 ± 0.139
$\begin{array}{c} yeast4 \\ ecoli-0-4-6-vs-5 \\ page-blocks-1-3-vs-4 \\ yeast-0-2-5-7-9-vs-3-6-8 \\ ecoli-0-4-7-vs-3-5 \\ ecoli-0-3-4-7-vs-5-6 \\ ecoli-0-2-6-7-vs-3-5 \\ shuttle-c0-vs-c4 \\ \end{array} \begin{array}{c} 0.038 \pm 0.003 \\ 0.036 \pm 0.002 \\ 0.048 \pm 0.160 \\ 0.482 \pm 0.169 \\ 0.482 \pm 0.169 \\ 0.482 \pm 0.169 \\ 0.482 \pm 0.169 \\ 0.573 \pm 0.183 \\ 0.573 \pm 0.183 \\ 0.594 \pm 0.156 \\ 0.594 \pm 0.156 \\ 0.594 \pm 0.156 \\ 0.545 \pm 0.289 \\ 0.566 \pm 0.172 \\ 0.552 \pm 0.172 \\ 0.594 \pm 0.156 \\ 0.545 \pm 0.289 \\ 0.566 \pm 0.176 \\ 0.545 \pm 0.172 \\ 0.552 \pm 0.172 \\ 0.545 \pm 0.186 \\ 0.739 \pm 0.176 \\ 0.545 \pm 0.176 \\ 0.594 \pm 0.156 \\ 0.594 \pm 0.15$	$glass\hbox{-} 0\hbox{-} 1\hbox{-} 4\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.101 ± 0.034	0.102 ± 0.034		0.201 ± 0.065	0.201 ± 0.064	0.115 ± 0.022	0.116 ± 0.019
$\begin{array}{c} ecoli-0\text{-}4\text{-}6\text{-}vs\text{-}5 \\ page-blocks\text{-}1\text{-}3\text{-}vs\text{-}4 \\ yeast\text{-}0\text{-}2\text{-}5\text{-}7\text{-}9\text{-}vs\text{-}3\text{-}6\text{-}8 \\ ecoli-0\text{-}4\text{-}6\text{-}vs\text{-}5 \\ ecoli-0\text{-}3\text{-}4\text{-}7\text{-}vs\text{-}5\text{-}6 \\ ecoli-0\text{-}2\text{-}6\text{-}7\text{-}vs\text{-}3\text{-}5 \\ ecoli-0\text{-}6\text{-}7\text{-}vs\text{-}3\text{-}5 \\ ecoli-0\text{-}6\text{-}6\text{-}7\text{-}vs\text{-}3\text{-}5 \\ ecoli-0\text{-}6\text{-}6\text{-}6\text{-}7\text{-}vs\text{-}3\text{-}5 \\ ecoli-0\text{-}6\text{-}6\text{-}6\text{-}7\text{-}vs\text{-}3\text{-}5 \\ ecoli-0\text{-}6\text{-}6\text{-}6\text{-}7\text{-}vs\text{-}3\text{-}5 \\ ecoli-0\text{-}6\text{-}6\text{-}6\text{-}0\text{-}3\text{-}6 \\ ecoli-0\text{-}6\text{-}6\text{-}6\text{-}0\text{-}3\text{-}6 \\ ecoli-0\text{-}6$	yeast4	0.038 ± 0.003	0.036 ± 0.002	0.041 ± 0.004	0.212 ± 0.039	0.211 ± 0.037	0.087 ± 0.068	0.098 ± 0.080
$\begin{array}{c} page-blocks-1-3-vs-4\\ yeast-0-2-5-7-9-vs-3-6-8\\ veate-0-2-5-7-9-vs-3-6-8\\ ecoli-0-1-vs-2-3-5\\ ecoli-0-3-4-7-vs-5-6\\ esoli-0-2-6-7-vs-3-5\\ esoli-0-2-6-7-vs-3-5\\ esoli-0-2-6-7-vs-3-5\\ esoli-0-2-6-7-vs-3-5\\ esoli-0-3-4-7-vs-5-6\\ esoli-0-3-4-7-vs-5-6\\ esoli-0-3-4-7-vs-5-6\\ esoli-0-3-4-7-vs-5-6\\ esoli-0-3-4-7-vs-5-6\\ esoli-0-3-4-7-vs-5-6\\ esoli-0-3-4-7-vs-5-6\\ esoli-0-3-4-7-vs-3-5\\ esoli-0-3$	ecoli-0-4-6- vs -5	0.621 ± 0.241	0.595 ± 0.213	0.742 ± 0.240	0.761 ± 0.178	0.754 ± 0.177	0.752 ± 0.186	0.739 ± 0.178
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	page-blocks-1-3-vs-4	0.468 ± 0.156	0.439 ± 0.161		0.573 ± 0.183	0.586 ± 0.176	0.552 ± 0.172	0.529 ± 0.160
$\begin{array}{c} ecoli - 0 - 1 - vs - 2 - 3 - 5 \\ ecoli - 0 - 6 - 7 - vs - 3 - 5 \\ ecoli - 0 - 6 - 7 - vs - 3 - 5 \\ ecoli - 0 - 6 - 7 - vs - 3 - 5 \\ ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5 \\ ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5 \\ ecoli - 0 - 2 - 6 - 7 - vs - 2 - 5 \\ ecoli - 0 - 2 - 6 - 7 - vs - 2 - 4 \\ ecoli - 0 - 2 - 6 - $	yeast-0-2-5-7-9-vs-3-6-8	$0.115 \stackrel{?}{\pm} 0.007$	0.114 ± 0.053		0.649 ± 0.163	0.594 ± 0.156		0.560 ± 0.177
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ecoli- 0 - 1 - vs - 2 - 3 - 5	$0.433 \stackrel{7}{\pm} 0.470$	0.456 ± 0.460	0.868 ± 0.260	0.930 ± 0.212	0.921 ± 0.214	0.929 ± 0.130	0.904 ± 0.146
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ecoli- 0 - 6 - 7 - vs - 3 - 5	0.219 ± 0.313	0.325 ± 0.320	0.584 ± 0.318	0.757 ± 0.195	0.720 ± 0.189	0.703 ± 0.216	0.659 ± 0.200
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ecoli-0-3-4-7-vs-5-6	0.326 ± 0.160	0.405 ± 0.167		0.772 ± 0.141		0.729 ± 0.151	0.716 ± 0.145
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.266 ± 0.354	0.412 ± 0.359	0.575 ± 0.338	0.733 ± 0.216	0.709 ± 0.216	0.652 ± 0.247	0.643 ± 0.223
	shuttle-c0-vs-c4	0.976 ± 0.038	0.976 ± 0.037		1.000 ± 0.000	1.000 ± 0.000	1.000 ± 0.000	1.000 ± 0.000
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ecoli-0-3-4- vs -5	0.335 ± 0.202	0.410 ± 0.221	0.668 ± 0.204	0.783 ± 0.170	0.776 ± 0.171	0.777 ± 0.172	0.769 ± 0.173

Table 5: Results for Precision metric

	GNB (1) OSB (2) OKNORAU (3) TBAC (4) OTBAC (5) TBAW (6) OTBAW (7)									
Mean rank	1.902	1.683	3.366	6.573	5.866	4.512	4.098			
	_	_	1,2	all	1,2,3,6,7	1,2,3	1,2,3			

Table 6: Results for mean ranks according to Precision metric

Dataset	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
glass4	0.210 ± 0.244	0.667 ± 0.280	0.630 ± 0.283	0.587 ± 0.307	0.600 ± 0.288	0.490 ± 0.297	0.607 ± 0.293
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.830 ± 0.153	0.835 ± 0.170	0.845 ± 0.149	0.835 ± 0.155	0.835 ± 0.155	0.835 ± 0.155	0.840 ± 0.156
glass-0-1-6-vs-2	0.737 ± 0.215	0.777 ± 0.244	0.650 ± 0.267	0.723 ± 0.241	0.740 ± 0.225	0.847 ± 0.248	0.870 ± 0.208
ecoli-0-1- vs -5	0.620 ± 0.279	$0.740 \stackrel{3}{\pm} 0.259$	0.800 ± 0.180	0.805 ± 0.152	$0.800 \stackrel{3}{\pm} 0.158$	0.820 ± 0.150	0.820 ± 0.150
yeast-1-4-5-8- vs -7	1.000 ± 0.000	$0.997 \stackrel{1}{\pm} 0.023$	$0.910 \stackrel{1}{\pm} 0.130$	0.513 ± 0.193	0.513 ± 0.193	$0.847 \stackrel{1}{\pm} 0.215$	0.810 ± 0.242
ecoli4	$\begin{array}{c} 3,4,5,6,7 \\ 0.940 \pm 0.106 \end{array}$	0.945 ± 0.103	0.920 ± 0.116	0.880 ± 0.160	0.890 ± 0.159	0.900 ± 0.158	0.900 ± 0.158
$led 7 digit \hbox{-} 0\hbox{-} 2\hbox{-} 4\hbox{-} 5\hbox{-} 6\hbox{-} 7\hbox{-} 8\hbox{-} 9\hbox{-} vs\hbox{-} 1$	0.816 ± 0.137	0.867 ± 0.116	0.853 ± 0.135	0.342 ± 0.177	0.345 ± 0.179	0.862 ± 0.174	0.836 ± 0.216
glass5	0.920 ± 0.208	0.790 ± 0.317	0.790 ± 0.317	0.810 ± 0.314	0.810 ± 0.314	0.810 ± 0.314	0.810 ± 0.314
ecoli-0-3-4-6- vs -5	0.840 ± 0.171	0.860 ± 0.159	0.850 ± 0.173	0.830 ± 0.169	0.835 ± 0.170	0.825 ± 0.167	0.830 ± 0.176
yeast-0-5-6-7-9-vs-4	0.969 ± 0.045 3,4,5,6,7	0.977 ± 0.041 $3,4,5,6,7$	0.914 ± 0.092 $4.5.6.7$	0.752 ± 0.113	0.787 ± 0.109	0.767 ± 0.192	0.821 ± 0.147 4.6
yeast6	0.986 ± 0.042	0.991 ± 0.033	0.943 ± 0.080	0.837 ± 0.117	0.837 ± 0.117	0.903 ± 0.092	0.894 ± 0.102
ecoli-0-6-7- vs -5	0.720 ± 0.210	0.835 ± 0.177	0.825 ± 0.175	0.765 ± 0.196	0.775 ± 0.188	0.780 ± 0.191	0.780 ± 0.184
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.930 ± 0.223	0.790 ± 0.301	0.790 ± 0.301	0.780 ± 0.302	0.780 ± 0.302	0.780 ± 0.302	0.780 ± 0.302
ecoli-0-1-3-7- vs -2-6	$0.700 \stackrel{all}{\pm} 0.400$	$0.700 \stackrel{-}{\pm} 0.400$	$0.700 \stackrel{-}{\pm} 0.400$	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	0.372 ± 0.096	0.586 ± 0.108	0.592 ± 0.094	0.448 ± 0.109	0.553 ± 0.116	0.327 ± 0.110	0.467 ± 0.153
ecoli-0-1-4-7-vs-5-6	0.492 ± 0.259	0.656 ± 0.280	$ \begin{array}{c} 1,4,5,6,7\\0.756 \pm 0.227\\1,2,4 \end{array} $	0.716 ± 0.212	0.756 ± 0.208 1.2	0.712 ± 0.184	0.784 ± 0.159 $1,2,4,6$
yeast5	0.996 ± 0.031	0.996 ± 0.031	0.996 ± 0.031	0.984 ± 0.044	0.984 ± 0.044	0.984 ± 0.044	0.984 ± 0.044
shuttle- $c2$ - vs - $c4$	1.000 ± 0.000 $4,5,6,7$	0.990 ± 0.069 $4,5,6,7$	0.980 ± 0.097 $4,5,6,7$	0.780 ± 0.401	0.780 ± 0.401	0.780 ± 0.401	0.780 ± 0.401
$ecoli \hbox{-} 0 \hbox{-} 1 \hbox{-} 4 \hbox{-} 7 \hbox{-} vs \hbox{-} 2 \hbox{-} 3 \hbox{-} 5 \hbox{-} 6$	0.308 ± 0.178	0.335 ± 0.242	0.560 ± 0.279	0.619 ± 0.226	0.712 ± 0.203	0.619 ± 0.205	0.744 ± 0.190
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.992 ± 0.033	0.978 ± 0.070	0.702 ± 0.210 $4.5.6.7$	0.428 ± 0.228	0.490 ± 0.208	$0.428 \stackrel{1,2}{\pm} 0.262$	0.488 ± 0.237
yeast-1-vs-7	$3,4,5,6,7 \\ 0.973 \pm 0.077$	$3,4,5,6,7$ 0.960 ± 0.091	0.800 ± 0.208	0.577 ± 0.208	0.590 ± 0.213	0.783 ± 0.189	0.810 ± 0.194
yeast-1-2-8-9- vs -7	$3,4,5,6,7$ 1.000 ± 0.000	$3,4,5,6,7$ 1.000 ± 0.000	0.937 ± 0.110	0.523 ± 0.173	0.527 ± 0.177	0.810 ± 0.249	0.777 ± 0.257
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.750 ± 0.173	$3,4,5,6,7 \\ 0.840 \pm 0.164$	$4.5.6.7$ 0.830 ± 0.169	0.820 ± 0.158	0.820 ± 0.158	0.815 ± 0.164	0.820 ± 0.158
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.675 ± 0.253	0.730 ± 0.249 $1,3$	0.643 ± 0.279	0.732 ± 0.242	0.738 ± 0.236	0.865 ± 0.184 $1,2,3,4,5$	0.888 ± 0.181 $1,2,3,4,5$
yeast-2- vs -4	0.921 ± 0.100 3,4,5,6,7	0.942 ± 0.077 3,4,5,6,7	0.834 ± 0.113 $4,5,6,7$	0.753 ± 0.133	0.768 ± 0.126	0.774 ± 0.125	0.784 ± 0.121
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.900 ± 0.282 $4.5.6.7$	0.830 ± 0.310 $4.5,6.7$	0.830 ± 0.310 $4.5.6.7$	0.720 ± 0.348	0.720 ± 0.348	0.720 ± 0.348	0.720 ± 0.348
glass2	0.773 ± 0.200	0.830 ± 0.187 $1,3,4,5$	0.725 ± 0.251	0.727 ± 0.201	0.732 ± 0.198	0.887 ± 0.146 $1,2,3,4,5$	0.917 ± 0.135 $1,2,3,4,5$
yeast-2-vs-8	0.890 ± 0.218 3,4,5,6,7	0.875 ± 0.213 3,4,5,6,7	0.600 ± 0.223 $4,5$	0.555 ± 0.219	0.555 ± 0.219	0.575 ± 0.207	0.575 ± 0.219
vowel0	0.889 ± 0.081 4.6	0.929 ± 0.054 $1,4,5,6,7$	0.943 ± 0.056	0.781 ± 0.123	0.873 ± 0.101 4.6	0.786 ± 0.108	0.871 ± 0.090 4.6
$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	0.960 ± 0.168 $2,3,4,6$	0.850 ± 0.250	0.860 ± 0.245	0.870 ± 0.241	0.880 ± 0.235	0.870 ± 0.241	0.880 ± 0.235
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 4\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.745 ± 0.267	0.772 ± 0.279	0.703 ± 0.282	0.718 ± 0.194	0.735 ± 0.199	0.877 ± 0.188 $1,2,3,4,5$	0.893 ± 0.158 $1,2,3,4,5$
yeast4	0.961 ± 0.057	0.973 ± 0.047 3,4,5,6,7	0.953 ± 0.062	0.714 ± 0.137	0.722 ± 0.132	0.884 ± 0.160	0.886 ± 0.164
ecoli- 0 - 4 - 6 - vs - 5	0.780 ± 0.184	0.850 ± 0.158	0.845 ± 0.165	0.835 ± 0.155	0.835 ± 0.155	0.840 ± 0.156	0.840 ± 0.156
page-blocks-1-3-vs-4	0.576 ± 0.190 $4,6,7$	0.597 ± 0.202 $4,6,7$	0.690 ± 0.254	0.527 ± 0.185	0.609 ± 0.209	0.523 ± 0.180	0.540 ± 0.180
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.986 ± 0.031	0.987 ± 0.027 3.4,5,6,7	0.932 ± 0.082	0.850 ± 0.082	0.863 ± 0.081	0.856 ± 0.090	0.864 ± 0.081
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.218 ± 0.314	0.264 ± 0.341	0.653 ± 0.282 $1,2$	0.653 ± 0.229	0.675 ± 0.229 $1,2$	0.700 ± 0.198	0.747 ± 0.168
ecoli-0-6-7- vs -3-5	0.199 ± 0.320	0.292 ± 0.360	0.415 ± 0.305 $1,2$	0.625 ± 0.183 $1,2,3$	0.688 ± 0.209 $1,2,3,4$	0.647 ± 0.185 $1,2,3$	$0.702 \pm 0.183 \\ 1,2,3,4,6$
ecoli-0-3-4-7-vs-5-6	0.792 ± 0.236	0.836 ± 0.198	0.840 ± 0.164	0.776 ± 0.153	0.800 ± 0.154	0.804 ± 0.176	0.824 ± 0.158
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.199 ± 0.290	0.304 ± 0.321	0.404 ± 0.291	0.655 ± 0.196	0.678 ± 0.202	0.641 ± 0.174	0.707 ± 0.192
$shuttle \hbox{-} c0 \hbox{-} vs \hbox{-} c4$	0.982 ± 0.025	0.980 ± 0.028	0.980 ± 0.028	0.988 ± 0.018 $2,3$	0.988 ± 0.018 $2,3$	0.988 ± 0.018 $2,3$	0.988 ± 0.018 2.3
ecoli-0-3-4-vs-5	0.845 ± 0.186	0.845 ± 0.192	0.840 ± 0.210	0.845 ± 0.205	0.845 ± 0.205	0.850 ± 0.200	0.850 ± 0.200

Table 7: Results for Recall metric

	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
Mean rank	4.073	5.012	4.439	2.585	3.549	3.683	4.659
	4	1,3,4,5,6	4	_	4	4	4,5,6

Table 8: Results for mean ranks according to Recall metric

Dataset	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
glass4	0.572 ± 0.129	0.788 ± 0.148	0.788 ± 0.140	0.767 ± 0.155	0.774 ± 0.147	0.695 ± 0.156	0.760 ± 0.150
ecoli- 0 - 2 - 3 - 4 - vs - 5	0.780 ± 0.098	0.812 ± 0.100	0.891 ± 0.082	0.904 ± 0.078	0.903 ± 0.079	$0.901 \stackrel{1}{\pm} 0.078$	0.902 ± 0.080
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.565 ± 0.111	0.571 ± 0.115	0.598 ± 0.147	0.710 ± 0.125	0.717 ± 0.116	0.605 ± 0.126	0.612 ± 0.104
ecoli-0-1-vs-5	$0.800 \stackrel{-}{\pm} 0.143$	0.859 ± 0.133	0.895 ± 0.090	0.900 ± 0.075	0.898 ± 0.079	0.907 ± 0.075	0.908 ± 0.074
yeast-1-4-5-8-vs-7	0.544 ± 0.012	$0.546 \stackrel{1}{\pm} 0.014$	0.572 ± 0.055	0.629 ± 0.097	0.629 ± 0.098	0.583 ± 0.064	0.589 ± 0.071
ecoli4	0.886 ± 0.083	$0.896 \stackrel{1}{\pm} 0.064$	0.931 ± 0.072	0.932 ± 0.082	0.933 ± 0.082	0.939 ± 0.080	0.935 ± 0.081
$led 7 digit \hbox{-} 0 \hbox{-} 2 \hbox{-} 4 \hbox{-} 5 \hbox{-} 6 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9 \hbox{-} vs \hbox{-} 1$	0.853 ± 0.073	$0.868 \stackrel{1}{\pm} 0.062$	0.878 ± 0.067	0.653 ± 0.089	0.654 ± 0.091	0.884 ± 0.080	0.870 ± 0.096
glass5	0.948 ± 0.103	0.885 ± 0.156	0.886 ± 0.156	0.903 ± 0.155	0.903 ± 0.155	0.902 ± 0.156	0.901 ± 0.155
ecoli-0-3-4-6-vs-5	0.755 ± 0.102	0.809 ± 0.106	0.894 ± 0.106	0.897 ± 0.088	0.899 ± 0.089	0.893 ± 0.091	0.895 ± 0.096
yeast-0-5-6-7-9-vs-4	$0.501 \stackrel{-}{\pm} 0.026$	$0.500 \stackrel{1}{\pm} 0.022$	0.675 ± 0.148	0.791 ± 0.045	0.801 ± 0.053	0.720 ± 0.090	0.733 ± 0.108
yeast6	$0.636 \stackrel{2}{\pm} 0.023$	0.645 ± 0.029	0.763 ± 0.044	0.887 ± 0.056	0.886 ± 0.056	0.837 ± 0.054	0.833 ± 0.068
ecoli-0-6-7-vs-5	0.813 ± 0.124	$0.835 \stackrel{1}{\pm} 0.107$	0.877 ± 0.103	0.870 ± 0.100	0.873 ± 0.096	0.871 ± 0.098	0.868 ± 0.098
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.956 ± 0.109	0.889 ± 0.150	0.889 ± 0.150	0.886 ± 0.150	0.886 ± 0.150	0.886 ± 0.151	0.886 ± 0.151
ecoli-0-1-3-7-vs-2-6	0.831 ± 0.193	0.844 ± 0.200	0.845 ± 0.200	0.844 ± 0.203	0.841 ± 0.204	0.841 ± 0.202	0.839 ± 0.202
$yeast \hbox{-} 0\hbox{-} 2\hbox{-} 5\hbox{-} 6\hbox{-} vs\hbox{-} 3\hbox{-} 7\hbox{-} 8\hbox{-} 9$	0.675 ± 0.048	0.772 ± 0.053	0.776 ± 0.047	0.715 ± 0.055	$0.763 \stackrel{1}{\pm} 0.057$	$0.656 \stackrel{1}{\pm} 0.055$	0.722 ± 0.073
ecoli - 0 - 1 - 4 - 7 - vs - 5 - 6	0.742 ± 0.131	0.816 ± 0.138	0.867 ± 0.114	0.854 ± 0.106	0.872 ± 0.104	0.849 ± 0.093	0.882 ± 0.081
yeast5	0.825 ± 0.024	$0.800 \stackrel{1}{\pm} 0.031$	0.845 ± 0.027	0.973 ± 0.023	0.973 ± 0.023	0.970 ± 0.033	0.969 ± 0.035
shuttle- $c2$ - vs - $c4$	0.988 ± 0.022	0.991 ± 0.037	0.988 ± 0.049	0.890 ± 0.200	0.890 ± 0.200	0.887 ± 0.201	0.888 ± 0.201
ecoli-0-1-4-7- vs -2-3-5-6	0.651 ± 0.090	0.663 ± 0.119	0.776 ± 0.140	0.807 ± 0.113	0.852 ± 0.102	0.805 ± 0.102	0.865 ± 0.094
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.550 ± 0.018	0.547 ± 0.032	0.673 ± 0.087	0.670 ± 0.079	0.691 ± 0.074	0.630 ± 0.054	0.650 ± 0.070
yeast-1- vs -7	$0.594 \stackrel{2}{\pm} 0.037$	0.593 ± 0.039	0.683 ± 0.101	0.671 ± 0.102	0.671 ± 0.102	0.663 ± 0.084	0.666 ± 0.085
$yeast\hbox{-} 1\hbox{-} 2\hbox{-} 8\hbox{-} 9\hbox{-} vs\hbox{-} 7$	0.540 ± 0.011	0.543 ± 0.013	0.585 ± 0.053	0.685 ± 0.087	0.687 ± 0.089	0.612 ± 0.068	0.615 ± 0.074
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.847 ± 0.098	0.883 ± 0.092	0.897 ± 0.088	0.902 ± 0.076	0.901 ± 0.076	0.898 ± 0.078	0.901 ± 0.076
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.555 ± 0.134	0.524 ± 0.112	0.607 ± 0.150	0.702 ± 0.116 $1,2,3,6,7$	0.703 ± 0.112 $1,2,3,6,7$	0.577 ± 0.079	0.585 ± 0.082
yeast-2-vs-4	0.608 ± 0.128	0.583 ± 0.120	0.835 ± 0.116	0.863 ± 0.067	0.866 ± 0.063	0.861 ± 0.070	0.864 ± 0.062
glass-0-6-vs-5	$0.945 \pm 0.140 \\ 4,5,6,7$	0.910 ± 0.154	0.910 ± 0.154	0.860 ± 0.174	0.860 ± 0.174	0.860 ± 0.173	0.860 ± 0.173
glass2	0.607 ± 0.098	0.623 ± 0.093	0.635 ± 0.135	0.738 ± 0.108 $1,2,3,6,7$	0.739 ± 0.109 $1,2,3,6,7$	0.655 ± 0.086	0.667 ± 0.087 $1,2$
yeast-2-vs-8	0.637 ± 0.090	0.658 ± 0.088	0.779 ± 0.105	0.776 ± 0.111	0.775 ± 0.111	0.777 ± 0.110	0.780 ± 0.112 $1,2,3$
vowel0	0.915 ± 0.037 $2,4,6,7$	0.904 ± 0.026 4.6	0.921 ± 0.025 $2,4,6,7$	0.883 ± 0.060	0.921 ± 0.050 $1,2,4,6,7$	0.878 ± 0.054	0.897 ± 0.042
glass-0-4-vs-5	0.975 ± 0.083	0.920 ± 0.123	0.925 ± 0.121	0.935 ± 0.120	0.940 ± 0.117 2.3	0.935 ± 0.120	0.940 ± 0.117 2.3
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 4\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.579 ± 0.128	0.585 ± 0.132	0.620 ± 0.150 1.2	$0.724 \pm 0.105 \\ 1,2,3,6,7$	0.730 ± 0.106 $1,2,3,6,7$	0.636 ± 0.100 $1,2$	0.641 ± 0.084 $1,2$
yeast4	0.551 ± 0.039	0.526 ± 0.025	0.577 ± 0.046 $1,2$	0.809 ± 0.066	0.812 ± 0.064 $1,2,3,6,7$	0.672 ± 0.078 $1,2,3,7$	0.662 ± 0.101 $1,2,3$
ecoli-0-4-6-vs-5	0.851 ± 0.114	0.882 ± 0.103	0.899 ± 0.095	0.901 ± 0.082 1.2	0.900 ± 0.082	0.902 ± 0.083	0.901 ± 0.084 1.2
$page-blocks-1\hbox{-}3\hbox{-}vs\hbox{-}4$	0.765 ± 0.095	0.772 ± 0.100	0.820 ± 0.128 $1,2,4,6,7$	0.750 ± 0.094	$0.790 \pm 0.105 \\ 1,2,4,6,7$	0.747 ± 0.091	0.754 ± 0.090
$yeast \hbox{-} 0 \hbox{-} 2 \hbox{-} 5 \hbox{-} 7 \hbox{-} 9 \hbox{-} vs \hbox{-} 3 \hbox{-} 6 \hbox{-} 8$	0.576 ± 0.028	0.547 ± 0.054	0.747 ± 0.135	0.894 ± 0.033	0.892 ± 0.034	0.841 ± 0.074	0.876 ± 0.064
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.607 ± 0.157	0.628 ± 0.168	$0.823 \pm 0.142 \\ 1,2$	0.825 ± 0.114 $1,2$	0.836 ± 0.114 1.2	0.847 ± 0.099 $1,2$	0.869 ± 0.085 $1,2,3,4,5$
ecoli-0-6-7- vs -3-5	0.587 ± 0.158	0.631 ± 0.173	0.694 ± 0.147	0.800 ± 0.094	0.828 ± 0.106	0.804 ± 0.092	0.827 ± 0.095
ecoli - 0 - 3 - 4 - 7 - vs - 5 - 6	0.778 ± 0.080	0.834 ± 0.089	0.894 ± 0.081	0.874 ± 0.078	0.886 ± 0.079	0.884 ± 0.091	0.892 ± 0.081
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.586 ± 0.145	0.635 ± 0.157	0.687 ± 0.143	0.813 ± 0.102	0.821 ± 0.105	0.793 ± 0.091	0.824 ± 0.105 $1,2,3,5,6$
shuttle-c0-vs-c4	0.990 ± 0.012	0.989 ± 0.014	0.989 ± 0.014	0.994 ± 0.009	0.994 ± 0.009	0.994 ± 0.009	0.994 ± 0.009
ecoli- 0 - 3 - 4 - vs - 5	0.788 ± 0.105	0.826 ± 0.111	0.893 ± 0.110	0.908 ± 0.103	0.907 ± 0.104	0.910 ± 0.102	0.909 ± 0.102
	_	1	1,2	1,2,3	1,2,3	1,2,3	1,2,3

Table 9: Results for AUC metric

	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
Mean rank	2.195	2.476	4.183	4.890	5.573	3.951	4.732
	_	_	1,2	1,2,6	all	1,2	1,2,6

Table 10: Results for mean ranks according to AUC metric

glass4		OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
J	0.304 ± 0.325	0.749 ± 0.215	0.741 ± 0.214	0.689 ± 0.286	0.706 ± 0.267	0.591 ± 0.303	0.700 ± 0.249
ecoli-0-2-3-4-vs-5	0.768 ± 0.100	0.800 ± 0.109	0.886 ± 0.087	0.897 ± 0.086	0.896 ± 0.087	0.894 ± 0.087	0.896 ± 0.088
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.524 ± 0.114	$0.511 \stackrel{1}{\pm} 0.129$	0.563 ± 0.198	0.693 ± 0.153	0.705 ± 0.122	0.539 ± 0.123	0.543 ± 0.092
ecoli-0-1- vs -5	0.725 ± 0.286	$0.824 \stackrel{-}{\pm} 0.215$	0.883 ± 0.108	0.891 ± 0.086	0.888 ± 0.090	$0.899 \stackrel{2}{\pm} 0.084$	0.899 ± 0.084
yeast-1-4-5-8-vs-7	0.293 ± 0.044	$0.303 \stackrel{1}{\pm} 0.049$	0.450 ± 0.069	0.602 ± 0.141	$0.601 \stackrel{1}{\pm} 0.142$	0.476 ± 0.107	0.491 ± 0.116
ecoli4	0.883 ± 0.085	$0.893 \stackrel{1}{\pm} 0.064$	0.929 ± 0.074	0.926 ± 0.092	0.928 ± 0.091	0.934 ± 0.090	0.930 ± 0.090
led7 digit - 0 - 2 - 4 - 5 - 6 - 7 - 8 - 9 - vs - 1	0.849 ± 0.077	$0.866 \overset{-}{\pm} 0.064$	0.874 ± 0.071	0.546 ± 0.177	0.548 ± 0.178	0.876 ± 0.098	0.856 ± 0.128
glass5	0.933 ± 0.163	$0.835 \stackrel{4.5}{\pm} 0.275$	0.835 ± 0.275	0.853 ± 0.278	0.853 ± 0.278	0.852 ± 0.278	0.852 ± 0.277
ecoli-0-3-4-6-vs-5	0.735 ± 0.109	0.799 ± 0.109	0.889 ± 0.112	0.890 ± 0.098	0.891 ± 0.099	0.886 ± 0.100	0.887 ± 0.106
y east - 0 - 5 - 6 - 7 - 9 - v s - 4	0.164 ± 0.068	$0.137 \stackrel{1}{\pm} 0.066$	0.555 ± 0.274	0.785 ± 0.048	0.798 ± 0.054	0.671 ± 0.147	0.683 ± 0.187
yeast6	0.529 ± 0.045	$0.540 \stackrel{-}{\pm} 0.058$	$0.735 \stackrel{1,2}{\pm} 0.061$	0.883 ± 0.062	0.882 ± 0.062	0.829 ± 0.060	0.823 ± 0.075
ecoli-0-6-7-vs-5	0.796 ± 0.145	$0.828 \stackrel{1}{\pm} 0.111$	0.871 ± 0.111	0.856 ± 0.121	0.860 ± 0.113	0.859 ± 0.114	0.857 ± 0.114
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 6\hbox{-} vs\hbox{-} 5$	0.933 ± 0.202	$0.847 \stackrel{-}{\pm} 0.251$	0.847 ± 0.251	0.843 ± 0.251	0.843 ± 0.251	0.842 ± 0.251	0.842 ± 0.251
ecoli - 0 - 1 - 3 - 7 - vs - 2 - 6	0.725 ± 0.377	0.737 ± 0.385	0.738 ± 0.385	0.738 ± 0.386	0.737 ± 0.385	0.736 ± 0.384	0.735 ± 0.383
$yeast \hbox{-} 0 \hbox{-} 2 \hbox{-} 5 \hbox{-} 6 \hbox{-} vs \hbox{-} 3 \hbox{-} 7 \hbox{-} 8 \hbox{-} 9$	0.598 ± 0.077	$0.745 \stackrel{1}{\pm} 0.071$	0.751 ± 0.060	0.658 ± 0.081	$0.729 \stackrel{1}{\pm} 0.077$	$0.559 \stackrel{1}{\pm} 0.095$	$0.666 \stackrel{1}{\pm} 0.111$
ecoli - 0 - 1 - 4 - 7 - vs - 5 - 6	0.669 ± 0.203	0.767 ± 0.227	0.846 ± 0.153	0.826 ± 0.167	0.848 ± 0.166	0.830 ± 0.112	0.872 ± 0.093
yeast5	0.807 ± 0.028	$0.774 \stackrel{1}{\pm} 0.040$	0.831 ± 0.032	0.972 ± 0.023	0.972 ± 0.023	0.969 ± 0.033	0.968 ± 0.036
shuttle- $c2$ - vs - $c4$	0.988 ± 0.023	0.990 ± 0.043	0.986 ± 0.057	0.788 ± 0.398	0.788 ± 0.398	0.786 ± 0.397	0.787 ± 0.397
$ecoli \hbox{-} 0 \hbox{-} 1 \hbox{-} 4 \hbox{-} 7 \hbox{-} vs \hbox{-} 2 \hbox{-} 3 \hbox{-} 5 \hbox{-} 6$	0.517 ± 0.198	0.530 ± 0.224	0.714 ± 0.212	0.771 ± 0.150	0.830 ± 0.133	0.772 ± 0.135	0.847 ± 0.122
yeast - 0 - 3 - 5 - 9 - vs - 7 - 8	0.324 ± 0.051	0.313 ± 0.092	$0.632 \pm 0.135 \\ 1,2,6,7$	0.591 ± 0.150 $1,2,6$	0.636 ± 0.135 $1,2,6,7$	0.530 ± 0.118 1.2	$ \begin{array}{c} 1,2,3,4,6\\0.574 \pm 0.132\\\\1,2,6 \end{array} $
yeast-1-vs-7	0.452 ± 0.051	0.459 ± 0.058	0.652 ± 0.133 $1,2,6$	0.652 ± 0.117	0.652 ± 0.120	0.633 ± 0.087	0.634 ± 0.093
yeast-1-2-8-9- vs -7	0.281 ± 0.039	0.289 ± 0.045	0.460 ± 0.065	0.655 ± 0.117 $1,2,3,6,7$	0.657 ± 0.119 $1,2,3,6,7$	0.519 ± 0.096 $1,2,3$	0.525 ± 0.111 $1,2,6$
ecoli- 0 - 1 - 4 - 6 - vs - 5	0.835 ± 0.108	0.877 ± 0.098	0.889 ± 0.098 1.2	0.893 ± 0.087	0.893 ± 0.087	0.889 ± 0.089	0.892 ± 0.087
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 5\hbox{-} vs\hbox{-} 2$	0.518 ± 0.148	0.457 ± 0.117	0.573 ± 0.193 $1,2,6,7$	0.681 ± 0.147 $1,2,3,6,7$	0.683 ± 0.143 $1,2,3,6,7$	0.485 ± 0.078	0.485 ± 0.084
yeast-2-vs-4	$0.445 \stackrel{?}{\pm} 0.216$	0.386 ± 0.223	0.816 ± 0.162	0.852 ± 0.077	0.857 ± 0.072	0.852 ± 0.080	0.858 ± 0.069 $1,2,5$
$glass\hbox{-} 0\hbox{-} 6\hbox{-} vs\hbox{-} 5$	$0.903 \stackrel{?}{\pm} 0.272$ $4,5,6,7$	0.863 ± 0.277	0.863 ± 0.277	0.786 ± 0.319	0.786 ± 0.319	0.786 ± 0.318	0.786 ± 0.318
glass2	0.570 ± 0.109	0.580 ± 0.079	0.612 ± 0.146 1.2	0.729 ± 0.113 $1,2,3,6,7$	0.731 ± 0.113 $1.2.3.6.7$	0.607 ± 0.082	0.615 ± 0.084 $1,2$
yeast-2-vs-8	0.518 ± 0.136	0.574 ± 0.116	0.742 ± 0.141 $1,2,7$	0.728 ± 0.153	0.728 ± 0.154	0.734 ± 0.147	0.736 ± 0.151
vowel0	0.913 ± 0.040 $2,4,6,7$	0.904 ± 0.025 4.6	0.921 ± 0.025 $2,4,6,7$	0.874 ± 0.069	0.918 ± 0.054 $2,4,6,7$	0.871 ± 0.061	0.895 ± 0.045
$glass\hbox{-} 0\hbox{-} 4\hbox{-} vs\hbox{-} 5$	0.963 ± 0.149	0.899 ± 0.180	0.904 ± 0.178	0.916 ± 0.178	0.921 ± 0.176	0.916 ± 0.178	0.921 ± 0.176 2.3
$glass\hbox{-} 0\hbox{-} 1\hbox{-} 4\hbox{-} 6\hbox{-} vs\hbox{-} 2$	0.528 ± 0.145	0.527 ± 0.146	0.587 ± 0.177 $1,2$	$0.716 \pm 0.110 \\ 1,2,3,6,7$	0.721 ± 0.110 $1,2,3,6,7$	$0.580 \stackrel{?}{\pm} 0.093$	0.581 ± 0.084 $1,2$
yeast4	0.361 ± 0.067	0.273 ± 0.046	0.434 ± 0.069 $1,2$	0.799 ± 0.079 $1,2,3,6,7$	0.803 ± 0.076 $1,2,3,6,7$	0.594 ± 0.125 $1,2,3,7$	0.556 ± 0.174 $1,2$
ecoli-0-4-6- vs -5	0.842 ± 0.122	0.878 ± 0.107	0.894 ± 0.102 1.2	0.895 ± 0.090	0.894 ± 0.090	0.896 ± 0.091	0.895 ± 0.091
page-blocks-1-3-vs-4	0.730 ± 0.130	0.739 ± 0.136	0.793 ± 0.165 $1,2,4,6,7$	0.704 ± 0.133	0.756 ± 0.142 $1,2,4,6,7$	0.701 ± 0.131	0.712 ± 0.126
yeast - 0 - 2 - 5 - 7 - 9 - vs - 3 - 6 - 8	0.398 ± 0.065	0.303 ± 0.110	0.683 ± 0.203 $1,2$	0.891 ± 0.035 1,2,3,6,7	0.890 ± 0.036 $1,2,3,6$	0.831 ± 0.083 $1,2,3$	$0.871 \pm 0.072 \\ 1,2,3,6$
ecoli- 0 - 1 - vs - 2 - 3 - 5	0.305 ± 0.352	0.351 ± 0.371	0.768 ± 0.246 $1,2$	0.782 ± 0.201 $1,2$	0.795 ± 0.200 $1,2$	0.824 ± 0.128 $1,2$	0.854 ± 0.103 $1,2,3,4,5$
ecoli-0-6-7- vs -3-5	0.258 ± 0.355	0.374 ± 0.370	0.560 ± 0.294	0.771 ± 0.124 $1,2,3$	0.806 ± 0.129 $1,2,3$	0.779 ± 0.121 $1,2,3$	0.810 ± 0.114 $1,2,3$
ecoli-0-3-4-7-vs-5-6	0.756 ± 0.105	0.821 ± 0.105	0.887 ± 0.090 $1,2$	0.865 ± 0.087 $1,2$	0.878 ± 0.087 $1,2$	0.875 ± 0.103	0.885 ± 0.090 $1,2$
ecoli - 0 - 2 - 6 - 7 - vs - 3 - 5	0.278 ± 0.340	0.423 ± 0.334	0.553 ± 0.289 1.2	0.787 ± 0.131 $1,2,3,6$	0.799 ± 0.130 $1,2,3,6$	0.769 ± 0.117 $1,2,3$	0.806 ± 0.127 $1,2,3,5,6$
shuttle-c0-vs-c4	0.990 ± 0.013	0.989 ± 0.014	0.989 ± 0.014	0.994 ± 0.009 $1,2,3$	0.994 ± 0.009 $1,2,3$	0.994 ± 0.009 $1,2,3$	0.994 ± 0.009 $1,2,3$
ecoli-0-3-4-vs-5	0.772 ± 0.112	0.816 ± 0.119	0.883 ± 0.130 $1,2$	0.897 ± 0.125 $1,2,3$	0.897 ± 0.125 $1,2,3$	0.900 ± 0.122 $1,2,3$	0.899 ± 0.122 $1,2,3$

Table 11: Results for GMEAN metric

	GNB (1)	OSB (2)	OKNORAU (3)	TBAC (4)	OTBAC (5)	TBAW (6)	OTBAW (7)
Mean rank	2.268	2.500	4.378	4.768	5.524	3.878	4.683
	_	_	1,2	1,2,6	all	1,2	1,2,6

Table 12: Results for mean ranks according to GMEAN metric