

| Dataset                         | GNB                  | kNN                  |
|---------------------------------|----------------------|----------------------|
| <i>glass-0-4-vs-5</i>           | <b>0.989 ± 0.022</b> | <b>0.864 ± 0.170</b> |
| <i>yeast-1-2-8-9-vs-7</i>       | 0.114 ± 0.042        | <b>0.967 ± 0.004</b> |
| <i>yeast-1-vs-7</i>             | 0.257 ± 0.058        | <b>0.937 ± 0.004</b> |
| <i>ecoli-0-1-4-7-vs-5-6</i>     | <b>0.946 ± 0.032</b> | <b>0.940 ± 0.069</b> |
| <i>ecoli-0-6-7-vs-5</i>         | <b>0.905 ± 0.094</b> | <b>0.955 ± 0.040</b> |
| <i>yeast-1-4-5-8-vs-7</i>       | 0.114 ± 0.030        | <b>0.945 ± 0.019</b> |
| <i>ecoli-0-1-vs-2-3-5</i>       | 0.914 ± 0.024        | <b>0.963 ± 0.015</b> |
| <i>glass-0-1-4-6-vs-2</i>       | 0.458 ± 0.255        | <b>0.898 ± 0.033</b> |
| <i>ecoli-0-3-4-6-vs-5</i>       | 0.561 ± 0.241        | <b>0.946 ± 0.047</b> |
| <i>balance</i>                  | <b>0.732 ± 0.147</b> | <b>0.738 ± 0.039</b> |
| <i>glass-0-1-6-vs-5</i>         | <b>0.973 ± 0.017</b> | 0.829 ± 0.233        |
| <i>yeast-0-3-5-9-vs-7-8</i>     | <b>0.326 ± 0.309</b> | <b>0.893 ± 0.049</b> |
| <i>ecoli4</i>                   | <b>0.824 ± 0.307</b> | <b>0.943 ± 0.084</b> |
| <i>ecoli-0-1-4-7-vs-2-3-5-6</i> | <b>0.932 ± 0.030</b> | <b>0.934 ± 0.067</b> |
| <i>ecoli-0-3-4-7-vs-5-6</i>     | 0.704 ± 0.217        | <b>0.938 ± 0.040</b> |
| <i>ecoli-0-1-3-7-vs-2-6</i>     | <b>0.943 ± 0.047</b> | <b>0.989 ± 0.014</b> |
| <i>glass-0-1-6-vs-2</i>         | 0.444 ± 0.229        | <b>0.901 ± 0.036</b> |
| <i>shuttle-c2-vs-c4</i>         | <b>0.968 ± 0.046</b> | <b>0.962 ± 0.023</b> |
| <i>yeast-2-vs-8</i>             | <b>0.408 ± 0.297</b> | <b>0.979 ± 0.006</b> |
| <i>ecoli-0-4-6-vs-5</i>         | <b>0.910 ± 0.095</b> | <b>0.945 ± 0.048</b> |
| <i>yeast-2-vs-4</i>             | 0.350 ± 0.299        | <b>0.961 ± 0.013</b> |
| <i>page-blocks-1-3-vs-4</i>     | <b>0.927 ± 0.069</b> | <b>0.921 ± 0.031</b> |
| <i>yeast-0-5-6-7-9-vs-4</i>     | 0.127 ± 0.021        | <b>0.875 ± 0.070</b> |
| <i>popfailures</i>              | <b>0.944 ± 0.008</b> | 0.911 ± 0.007        |
| <i>glass2</i>                   | 0.492 ± 0.122        | <b>0.902 ± 0.035</b> |
| <i>ecoli-0-6-7-vs-3-5</i>       | <b>0.896 ± 0.044</b> | <b>0.951 ± 0.038</b> |
| <i>ecoli-0-1-4-6-vs-5</i>       | <b>0.939 ± 0.061</b> | <b>0.964 ± 0.029</b> |
| <i>ecoli-0-2-3-4-vs-5</i>       | 0.578 ± 0.267        | <b>0.950 ± 0.038</b> |
| <i>glass-0-6-vs-5</i>           | <b>0.982 ± 0.022</b> | <b>0.935 ± 0.037</b> |
| <i>ecoli-0-2-6-7-vs-3-5</i>     | <b>0.897 ± 0.044</b> | <b>0.951 ± 0.038</b> |
| <i>ecoli-0-3-4-vs-5</i>         | 0.580 ± 0.266        | <b>0.950 ± 0.038</b> |
| <i>glass4</i>                   | <b>0.778 ± 0.271</b> | <b>0.911 ± 0.069</b> |
| <i>glass5</i>                   | <b>0.972 ± 0.022</b> | <b>0.853 ± 0.200</b> |
| <i>glass-0-1-5-vs-2</i>         | 0.484 ± 0.220        | <b>0.867 ± 0.028</b> |
| <i>yeast-0-2-5-6-vs-3-7-8-9</i> | <b>0.742 ± 0.331</b> | <b>0.904 ± 0.054</b> |
| <i>yeast3</i>                   | 0.296 ± 0.071        | <b>0.947 ± 0.010</b> |
| <i>ecoli-0-1-vs-5</i>           | <b>0.950 ± 0.044</b> | <b>0.975 ± 0.008</b> |
| <i>shuttle-c0-vs-c4</i>         | <b>0.997 ± 0.001</b> | <b>0.999 ± 0.001</b> |
| <i>yeast6</i>                   | 0.316 ± 0.093        | <b>0.980 ± 0.003</b> |
| <i>yeast4</i>                   | 0.177 ± 0.056        | <b>0.966 ± 0.004</b> |
| <i>yeast-0-2-5-7-9-vs-3-6-8</i> | 0.274 ± 0.131        | <b>0.950 ± 0.038</b> |
| <i>vowel0</i>                   | <b>0.937 ± 0.034</b> | <b>0.937 ± 0.028</b> |
| <i>yeast5</i>                   | 0.668 ± 0.044        | <b>0.980 ± 0.004</b> |

Table 1: Results for ACC metric

| Dataset                         | GNB                  | kNN                  |
|---------------------------------|----------------------|----------------------|
| <i>glass-0-4-vs-5</i>           | <b>0.994 ± 0.012</b> | 0.750 ± 0.158        |
| <i>yeast-1-2-8-9-vs-7</i>       | <b>0.543 ± 0.022</b> | <b>0.516 ± 0.033</b> |
| <i>yeast-1-vs-7</i>             | <b>0.572 ± 0.053</b> | <b>0.517 ± 0.033</b> |
| <i>ecoli-0-1-4-7-vs-5-6</i>     | <b>0.769 ± 0.185</b> | <b>0.784 ± 0.111</b> |
| <i>ecoli-0-6-7-vs-5</i>         | <b>0.812 ± 0.142</b> | <b>0.818 ± 0.132</b> |
| <i>yeast-1-4-5-8-vs-7</i>       | <b>0.521 ± 0.044</b> | <b>0.494 ± 0.010</b> |
| <i>ecoli-0-1-vs-2-3-5</i>       | 0.578 ± 0.118        | <b>0.833 ± 0.095</b> |
| <i>glass-0-1-4-6-vs-2</i>       | <b>0.559 ± 0.163</b> | <b>0.520 ± 0.067</b> |
| <i>ecoli-0-3-4-6-vs-5</i>       | 0.690 ± 0.081        | <b>0.859 ± 0.079</b> |
| <i>balance</i>                  | <b>0.530 ± 0.107</b> | <b>0.551 ± 0.025</b> |
| <i>glass-0-1-6-vs-5</i>         | <b>0.939 ± 0.094</b> | 0.531 ± 0.202        |
| <i>yeast-0-3-5-9-vs-7-8</i>     | <b>0.573 ± 0.067</b> | <b>0.611 ± 0.115</b> |
| <i>ecoli4</i>                   | <b>0.883 ± 0.159</b> | <b>0.876 ± 0.079</b> |
| <i>ecoli-0-1-4-7-vs-2-3-5-6</i> | <b>0.647 ± 0.183</b> | <b>0.774 ± 0.124</b> |
| <i>ecoli-0-3-4-7-vs-5-6</i>     | <b>0.729 ± 0.127</b> | <b>0.787 ± 0.095</b> |
| <i>ecoli-0-1-3-7-vs-2-6</i>     | <b>0.874 ± 0.188</b> | <b>0.898 ± 0.199</b> |
| <i>glass-0-1-6-vs-2</i>         | <b>0.550 ± 0.156</b> | <b>0.547 ± 0.073</b> |
| <i>shuttle-c2-vs-c4</i>         | <b>0.984 ± 0.024</b> | <b>0.600 ± 0.200</b> |
| <i>yeast-2-vs-8</i>             | <b>0.667 ± 0.168</b> | <b>0.774 ± 0.120</b> |
| <i>ecoli-0-4-6-vs-5</i>         | <b>0.795 ± 0.218</b> | <b>0.858 ± 0.079</b> |
| <i>yeast-2-vs-4</i>             | 0.598 ± 0.129        | <b>0.838 ± 0.071</b> |
| <i>page-blocks-1-3-vs-4</i>     | <b>0.762 ± 0.162</b> | <b>0.662 ± 0.088</b> |
| <i>yeast-0-5-6-7-9-vs-4</i>     | 0.499 ± 0.030        | <b>0.626 ± 0.036</b> |
| <i>popfailures</i>              | <b>0.682 ± 0.048</b> | 0.498 ± 0.004        |
| <i>glass2</i>                   | <b>0.609 ± 0.032</b> | <b>0.543 ± 0.076</b> |
| <i>ecoli-0-6-7-vs-3-5</i>       | 0.573 ± 0.116        | <b>0.818 ± 0.111</b> |
| <i>ecoli-0-1-4-6-vs-5</i>       | <b>0.875 ± 0.116</b> | <b>0.865 ± 0.080</b> |
| <i>ecoli-0-2-3-4-vs-5</i>       | 0.699 ± 0.101        | <b>0.861 ± 0.077</b> |
| <i>glass-0-6-vs-5</i>           | <b>0.945 ± 0.097</b> | <b>0.645 ± 0.204</b> |
| <i>ecoli-0-2-6-7-vs-3-5</i>     | 0.573 ± 0.116        | <b>0.818 ± 0.111</b> |
| <i>ecoli-0-3-4-vs-5</i>         | 0.700 ± 0.098        | <b>0.861 ± 0.077</b> |
| <i>glass4</i>                   | 0.508 ± 0.204        | <b>0.734 ± 0.066</b> |
| <i>glass5</i>                   | <b>0.938 ± 0.094</b> | 0.541 ± 0.187        |
| <i>glass-0-1-5-vs-2</i>         | <b>0.549 ± 0.165</b> | <b>0.511 ± 0.054</b> |
| <i>yeast-0-2-5-6-vs-3-7-8-9</i> | <b>0.549 ± 0.097</b> | <b>0.686 ± 0.101</b> |
| <i>yeast3</i>                   | 0.597 ± 0.041        | <b>0.828 ± 0.024</b> |
| <i>ecoli-0-1-vs-5</i>           | <b>0.791 ± 0.175</b> | <b>0.873 ± 0.075</b> |
| <i>shuttle-c0-vs-c4</i>         | <b>0.991 ± 0.009</b> | <b>0.996 ± 0.008</b> |
| <i>yeast6</i>                   | <b>0.650 ± 0.047</b> | <b>0.725 ± 0.082</b> |
| <i>yeast4</i>                   | <b>0.555 ± 0.042</b> | <b>0.577 ± 0.040</b> |
| <i>yeast-0-2-5-7-9-vs-3-6-8</i> | <b>0.560 ± 0.020</b> | <b>0.826 ± 0.150</b> |
| <i>vowel0</i>                   | <b>0.881 ± 0.085</b> | 0.706 ± 0.119        |
| <i>yeast5</i>                   | <b>0.829 ± 0.023</b> | <b>0.804 ± 0.078</b> |

Table 2: Results for BAC metric