**Mus musculus**

* **Cross\_val(cv = 10); 90% Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classifier Name** | **ACC (%)** | **Sn (%)** | **Sp (%)** | **MCC** | **f1\_score** |
| **SVM** | **79.89%** | **64.64%** | **95.13%** | **0.62** | **0.76** |
| **XGBOOSt** | **79.20%** | **64.44%** | **93.95%** | **0.61** | **0.75** |
| **AdaBoost** | **78.04%** | **71.10%** | **84.98%** | **0.56** | **0.76** |
| **RF** | **75.79%** | **51.63%** | **99.95%** | **0.58** | **0.68** |
| **LightGBM** | **79.35%** | **66.58%** | **92.13%** | **0.60** | **0.76** |
| **LDA** | **78.92%** | **63.21%** | **94.63%** | **0.60** | **0.74** |
| **QDA** | **72.40%** | **70.36%** | **74.43%** | **0.45** | **0.71** |
| **Bagging** | **76.81%** | **66.11%** | **87.51%** | **0.54** | **0.74** |
| **DT** | **76.91%** | **54.27%** | **99.55%** | **0.60** | **0.70** |
| **ET** | **77.28%** | **63.79%** | **90.76%** | **0.56** | **0.73** |
| **GB** | **78.36%** | **69.92%** | **86.80%** | **0.57** | **0.76** |
| **MLP** | **79.56%** | **70.51%** | **88.62%** | **0.60** | **0.77** |

**Mus musculus**

* **Independent(test); 10% Data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classifier Name** | **ACC (%)** | **Sn (%)** | **Sp (%)** | **MCC** | **f1\_score** |
| **SVM** | **79.98%** | **65.59%** | **94.38%** | **0.62** | **0.76** |
| **XGBOOSt** | **77.78%** | **65.07%** | **93.06%** | **0.60** | **0.71** |
| **AdaBoost** | **77.70%** | **72.53%** | **82.87%** | **0.55** | **0.76** |
| **RF** | **76.05%** | **53.78%** | **99.89%** | **0.59** | **0.68** |
| **LightGBM** | **79.51%** | **67.27%** | **91.75%** | **0.60** | **0.76** |
| **LDA** | **79.33%** | **64.75%** | **93.90%** | **0.61** | **0.75** |
| **QDA** | **64.60%** | **85.34%** | **43.85%** | **0.32** | **0.70** |
| **Bagging** | **77.73%** | **66.17%** | **88.97%** | **0.56** | **0.74** |
| **DT** | **77.73%** | **55.72%** | **99.73%** | **0.61** | **0.71** |
| **ET** | **77.41%** | **64.96%** | **89.86%** | **0.56** | **0.74** |
| **GB** | **77.54%** | **70.01%** | **85.08%** | **0.55** | **0.75** |
| **MLP** | **79.17%** | **67.59%** | **91.49%** | **0.60** | **0.77** |