**Table 3: Performance of the tested models to classify cases where the etiological agent was confirmed as "COVID-19" or "Other confirmed agents"**

| **Model** | **Accuracy** | **Sensitivity** | **Specificity** | **PPV** | **NPV** |
| --- | --- | --- | --- | --- | --- |
| XGBoost | 97·42% | 99·58% | 78·70% | 97·59% | 95·61% |
| Linear Discriminant Analysis | 94·39% | 98·75% | 56·68% | 95·17% | 83·96% |
| Quadratic Discriminant Analysis | 75·20% | 74·42% | 81·95% | 97·27% | 27·04% |
| Classification Trees | 97·30% | 99·27% | 80·32% | 97·76% | 92·71% |
| Bagging | 97·19% | 99·27% | 79·24% | 97·64% | 92·62% |
| Random Forest | 97·36% | 99·69% | 77·26% | 97·43% | 96·61% |
| K-nearest Neighbors | 95·13% | 99·48% | 57·58% | 95·30% | 92·73% |
| Logistic Regression | 96·61% | 99·33% | 73·10% | 96·96% | 92·68% |
| Lasso Logistic Regression | 96·54% | 99·31% | 72·56% | 96·90% | 92·41% |
| RBF SVM | 96·87% | 99·10% | 77·62% | 97·45% | 90·91% |
| Linear SVM | 96·37% | 99·69% | 67·69% | 96·39% | 96·15% |
| Polynomial SVM | 96·35% | 99·69% | 67·51% | 96·37% | 96·14% |

*RBF: Radial Basis Function; SVM: Support Vector Machine;* PPV: positive predictive value; NPV: negative predictive value.