

Table S1. Performance evaluation metrics for bagged tree ensemble, boosted tree ensemble, cubic SVM, SVM kernel and quadratic SVM models.

Parameters	Bagged tree ensemble	Boosted tree ensemble	Cubic SVM	SVM kernel	Quadratic SVM
FPR (%)	41.1	44.1	14.5	41.6	10.2
FNR (%)	13.1	77.1	8.91	13.4	6.34
Misclassification rate (%)	20.83	69.7	10.23	21.6	7.19
Prevalence (%)	79.9	79.9	79.9	79.9	79.9
Specificity (%)	58.9	79.7	85.5	58.4	89.9
Precision (%)	84.7	64.4	95.3	83.5	96.9
Recall (%)	86.9	22.9	91.1	86.6	93.7
F1-Score (%)	85.8	33.7	93.3	85.02	95.3
AUC	0.956	0.834	0.993	0.982	0.993

AUC: Area under the curve; FNR: False negative rate; FPR: False positive rate; SVM: Support vector machine.

