

Table S1 Performance of the three-class classification model

Model	Accuracy	MCC
LR	0.62±0.08	0.41±0.13
AdaBoost	0.65±0.07	0.47±0.11
NB	0.63±0.15	0.43±0.24
LGB	0.55±0.12	0.34±0.17
SVM	0.47±0.04	0.17±0.11
KNN	0.54±0.12	0.30±0.21

LR, logistic regression; AdaBoost, adaptive boosting; NB, Naïve Bayes; LGB, light gradient boosting; SVM, support vector machine; KNN, k-nearest neighbors.