

## Supplementary

**Table S1** The sensitivity and specificity of different predictive models

Variable	ADB	ANN	DT	GBDT	LR	MNB	RFC	XGB
Sensitivity	78.10%	85.20%	88.10%	75%	89.20%	81.90%	82.20%	83.50%
Specificity	87.50%	81.20%	75%	95%	87.50%	81.20%	87.50%	90%

AUC, area under the receiver operating characteristic curve; ADB, adaptive boosting; ANN, artificial neural network; DT, decision tree; GBDT, gradient boosting decision tree; LR, logistic regression; MNB, multinomial naive Bayes; RFC, random forest classifier; XGB, extreme gradient boosting.