

**Table S7** The performance of different algorithms on training set and validation set.

<b>Classifier</b>	<b>Feature Selection</b>	<b>Training AUC</b>	<b>Validation AUC</b>
Logistic Regression	LASSO	0.82	0.75
SVM	LASSO	0.77	0.64
LDA	LASSO	0.71	0.63
QDA	LASSO	0.71	0.63
RF	LASSO	1.00	0.57
SVM	RF	0.90	0.63
Logistic Regression	RF	0.77	0.67

RF:

Random Forest; SVM: Support Vector Machines; LDA: Linear Discriminant Analysis;

QDA: Quadratic Discriminant Analysis; LASSO: Least absolute shrinkage and selection operator