



Figure S1. Feature selection based on random survival forest method and feature importance of selected features in training data.

Table S1. Model parameters for the various models

Model	Parameters
Gradient boosted machines (GBMs)	gbm package:distribution ="bernoulli" n.trees =16 shrinkage = 0.39 interaction.depth =4 n.minobsinnode =5 bag.fraction= 0.67
Extreme Gradient Boosting (XGBoost)	xgboost package: objective = "binary:logistic" nrounds =64 max_depth =3 eta = 0.39
Random Forest (RF)	Random Forest package: num.trees = 71, mtry = 2, min.node.size = 4
Support Vector Machine (SVM)	SVM package: kernel="polynomial" cost=1.01 degree=1 epsilon=0.9