

**Table S1** Comparison of AUC between the six machine learning models

Comparison	<i>t</i>	P
Random forest vs. SVM	-0.419	0.697
Random forest vs. KNN	6.090	0.004
Random forest vs. gradient boosting	1.153	0.313
Random forest vs. decision Tree	3.388	0.028
Random forest vs. XGBoost	3.226	0.032
SVM vs. KNN	3.353	0.028
SVM vs. gradient boosting	0.731	0.505
SVM vs. decision tree	3.749	0.020
SVM vs. XGBoost	1.748	0.155
KNN vs. gradient boosting	-2.139	0.099
KNN vs. decision tree	1.807	0.145
KNN vs. XGBoost	-0.878	0.430
Gradient boosting vs. decision tree	2.708	0.054
Gradient boosting vs. XGBoost	1.531	0.200
Decision tree vs. XGBoost	-2.220	0.091

AUC, area under the curve; SVM, support vector machine; KNN, k-nearest neighbor; XGBoost, extreme gradient boosting.