

Supplementary Table S3. Performance of each model in cross-validation.

Model	Performance measures	Fold									
		1	2	3	4	5	6	7	8	9	10
XGBoot	Accuracy	0.9858	0.9816	0.9815	0.9857	0.9857	1.0000	0.9815	1.0000	1.0000	0.9857
	Precision	0.9859	0.9816	0.9818	0.9858	0.9858	1.0000	0.9818	1.0000	1.0000	0.9858
	Recall	0.9858	0.9816	0.9815	0.9857	0.9857	1.0000	0.9815	1.0000	1.0000	0.9857
	F1-score	0.9857	0.9816	0.9815	0.9857	0.9857	1.0000	0.9816	1.0000	1.0000	0.9857
SVM	Accuracy	0.9858	0.9874	0.9857	1.0000	0.9857	1.0000	0.9857	0.9857	0.9815	0.9857
	Precision	0.9858	0.9874	0.9858	1.0000	0.9858	1.0000	0.9858	0.9858	0.9817	0.9859
	Recall	0.9858	0.9874	0.9857	1.0000	0.9857	1.0000	0.9857	0.9857	0.9815	0.9857
	F1-score	0.9857	0.9874	0.9857	1.0000	0.9857	1.0000	0.9857	0.9857	0.9815	0.9858
Gradient Boosting	Accuracy	0.9816	0.9816	0.9857	1.0000	0.9857	0.9857	0.9815	1.0000	0.9815	0.9815
	Precision	0.9822	0.9816	0.9858	1.0000	0.9858	0.9858	0.9819	1.0000	0.9818	0.9816
	Recall	0.9816	0.9816	0.9857	1.0000	0.9857	0.9857	0.9815	1.0000	0.9815	0.9815
	F1-score	0.9817	0.9816	0.9857	1.0000	0.9857	0.9857	0.9816	1.0000	0.9816	0.9815
Random Forest	Accuracy	0.9832	0.9874	0.9873	0.9873	0.9857	1.0000	1.0000	1.0000	0.9815	1.0000
	Precision	0.9832	0.9875	0.9875	0.9877	0.9858	1.0000	1.0000	1.0000	0.9815	1.0000
	Recall	0.9832	0.9874	0.9873	0.9873	0.9857	1.0000	1.0000	1.0000	0.9815	1.0000
	F1-score	0.9831	0.9873	0.9873	0.9873	0.9857	1.0000	1.0000	1.0000	0.9815	1.0000