

Supplementary Materials:

Table S1. Confidence intervals on ROC-AUC

	Lower CI	ROC-AUC	Upper CI
DSRI original coefficients	0.6460	0.6694	0.6928
DSRI retrained coefficients	0.7029	0.7241	0.7452
ANN	0.7253	0.7465	0.7678
LR	0.7730	0.7926	0.8123
RF	0.8111	0.8286	0.8462
GBM	0.8214	0.8383	0.8553

Figure S1: Significance of difference test between the ROC from different models. Testing was performed using de Long method.

