

Supplementary Table 1. Grid search parameters for XGBoost models

Parameter	Values
Cross-validation folds	5
lambda (L2 regularization)	0, 0.5, 1
Alpha (L1 regularization)	0, 0.5, 1
Max depth	5, 8
Min child weight	4, 8
N_estimators (number of trees)	500, 1000
Subsample	0.8