

Supplemental Table S1. Optimized Parameters for Classifiers

Feature Deduction + Classifier	Parameters
mRMR + SVM	C=50, degree=2, kernel='poly'
mRMR + LR	Penalty='L2', C=1.0
mRMR + Adaboost	Estimator=DecisionTreeClassifier, max_depth=8, min_samples_leaf=5, n_estimators=50 learning_rate=0.8
LASSO + SVM	C = 50, kernel='linear'
LASSO+ LR	Penalty='L2', C=0.1
LASSO + Adaboost	Estimator=DecisionTreeClassifier, max_depth=8, min_samples_leaf=3, n_estimators=50 learning_rate=0.8
