

Supplementary Table S1 Optimal hyperparameter combinations determined by grid search.

Model	Optimal hyperparameters
RF	n_estimators = 283, max_depth = 7, max_features = 'sqrt', min_samples_split = 7, min_samples_leaf = 2
SVM	C = 1, gamma = 'scale', kernel = 'linear'
KNN	n_neighbors = 20, weights = 'distance', p = 2