

Supplementary Material

Table S1. Hyperparameters tuning of Random Forest and eXtreme Gradient Boosting models

Model	Hyperparameters	definition
SVM	C = 0.7368	Cost parameter
RF	Mtry = 1	Number of variables randomly sampled as candidates at each split
XGBoost	Nrounds = 400	Maximum number of iterations/trees to grow
	Max.depth = 3	Depth of the tree
	Eta = 0.1	Learning rate
	Gamma = 0.9	Regularisation (preventing overfitting)
	Col.sample_by_tree=0.4	Controls the number of features supplied to a tree
XGBoost	Child_weight = 2	Leaf threshold for stopping tree splitting
	Subsample = 0.5	Controls the number of samples supplied to a tree

SVM: Support Vector Machine; RF: Random Forest; XGBoost: eXtreme Gradient Boosting.