

Supplementary

We used the XGBoost package from scikit learn (Swami A, Jain R. Scikit-learn: machine learning in python. *Journal of Machine Learning Research* 2013;12:2825-2830.) to construct the predictive models. The parameters were set as follows: booster = “gbtree”, objective = “binary:logistic”, max_depth = 3, learning_rate = 0.1, n_estimators = 100, silent = True, n_jobs = 1, nthread = None, gamma = 0, min_child_weight = 1, max_delta_step=0, subsample = 1, colsample_bytree = 1, colsample_bylevel = 1, reg_alpha = 0, reg_lambda = 1, scale_pos_weight = 1, base_score = 0.5, random_state = 0.