

**Appendix Table 2.** Grid Search Space and Best Hyperparameters of XGBoost Model.

Factor	Value
Lambda	0, 0.3, 0.5, 0.7, 1
Alpha	0, 0.5, 1
Learning Rate	0.01, 0.03, 0.05, 0.10
Objective	Binary: logistic
Max Depth	1,3,5,7
Min Child Weight	1,3,5
Subsample	0.5, 0.7, 1
Colsample	0.7
Best Hyperparameter	
Factor	Value
Lambda	0.7
Alpha	0.5
Learning Rate	0.03
Objective	Binary: logistic
Max Depth	3
Min Child Weight	1
Subsample	1