

## Appendix A

**Table S1.** The parameter settings of classifiers contain Naïve Bayes, Sequential minimal optimization (SMO), J48, Logistic model trees (LMT), Random Forest, RandomTree and REPTree. All parameters are based on the WEKA software package.

Classifiers	Parameter Setting
Naïve Bayes	debug: False useKernelEstimator: False
SMO	Calibrator: Logistic debug: False kernel: PolyKernel numFolds: -1 randomSeed: 1
J48	binarySplits: False confidenceFactor: 0.25 debug: False minNumObj: 2 numFolds: 3 reducedErrorPruning: False saveInstanceData: False seed: 1 unpruned: False useLaplace: False
LMT	convertNominal: False debug: False fastRegression: True minNumInstances: 15 numBoostingIterations: -1 splitOnResiduals: False useAIC: False weightTrimBeta: 0.0
RandomForest	debug: False maxDepth: 0 numFeatures: 0 seed: 1
RandomTree	KValue: 0 debug: False maxDepth: 0 minNum: 1.0 seed: 1

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REPTree

debug: False

maxDepth: -1

minNum:2.0

minVarianceProp: 0.001

noPrunning: False

numFolds: 3

seed: 1

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