

Table 4: Results from classification model estimates of the secondary, multi-species dataset. Models are random forest (RF), linear discriminate analysis (LDA), and multinomial logistic regression (MLR). Comparison of in-sample and out-of-sample AUC of the best performing model, along with the number of predictors. AUC values range between 0.5 (no better than random) and 1 (perfect classification).

	# predictors	In-sample AUC	Out-of-sample AUC
RF	11	1.000	0.999
MLR	6	1.000	0.998
LDA	10	1.000	1.000