

Table 1: AUC values for the best model of each classification scheme for both the observed (training) data and the generalized (testing) data. Results from all three different supervised learning approaches are shown here. AUC values range between 0.5 and 1.

Scheme	random forest		multinomial logistic regression		linear discriminate analysis	
	Observed	Generalized	Observed	Generalized	Observed	Generalized
Morph 1	0.63	0.73	0.75	0.79	0.75	0.80
Morph 2	0.61	0.58	0.76	0.77	0.76	0.77
Mito 1	0.63	0.62	0.75	0.63	0.75	0.63
Mito 2	0.77	0.67	0.80	0.64	0.80	0.63
Mito 3	0.56	0.64	0.71	0.74	0.71	0.73
Nuclear	0.56	0.67	0.74	0.62	0.74	0.77