

Peptide Composition	(Whole Peptide Sequence)				
ALternate Dataset					
	Accuracy	MCC	AUC	Sensitivity	Specificity
ELM	0.880455408	0.291959646	0.5742516296	0.9890829694	0.1594202899
MLP	0.8690702087	0.291959646	0.5742516296	0.9890829694	0.1594202899
SVM	0.834323344	0.305541	0.5234499	0.98434355	0.234553
ABC	0.8523423232	0.31345334	0.6104422	0.9752343434	0.184543322
RFC	0.8956356736	0.4387562143	0.6506866654	0.9825327511	0.3188405797
QDA	0.8690702087	0.4387562143	0.5	0.9825327511	0.3188405797
Balanced 1					
	Accuracy	MCC	AUC	Sensitivity	Specificity
ELM	0.8993288591	0.7987024819	0.8994232156	0.8947368421	0.904109589
MLP	0.8187919463	0.6382480173	0.8191240087	0.8026315789	0.8356164384
SVM	0.8590604027	0.7183616632	0.8585976929	0.8815789474	0.8356164384
ABC	0.8657718121	0.7315536081	0.8654470079	0.8815789474	0.8493150685
RFC	0.9127516779	0.8255541673	0.912851478	0.9078947368	0.9178082192
QDA	0.8791946309	0.7582912761	0.8791456381	0.8815789474	0.8767123288
Balanced 2					
	Accuracy	MCC	AUC	Sensitivity	Specificity
ELM	0.9461444308	0.5955183983	0.7337828412	0.9893048128	0.4782608696
MLP	0.6979865772	0.4161040171	0.6944844989	0.8684210526	0.5205479452
SVM	0.8120805369	0.6310861702	0.8103821197	0.8947368421	0.7260273973
ABC	0.8389261745	0.6794140293	0.8380497477	0.8815789474	0.7945205479
RFC	0.8523489933	0.7052787296	0.8517483778	0.8815789474	0.8219178082
QDA	0.7919463087	0.5943101137	0.7898341745	0.8947368421	0.6849315068
Independent 1					
	Accuracy	MCC	AUC	Sensitivity	Specificity
ELM	0.84375	0.6952687918	0.8583333333	0.8	0.9166666667
MLP	0.375	0	0.5	0	1
SVM	0.75	0.5530100413	0.7833333333	0.65	0.9166666667
ABC	0.625	0.3829708431	0.6833333333	0.45	0.9166666667
RFC	0.75	0.5530100413	0.7833333333	0.65	0.9166666667
QDA	0.71875	0.50929286	0.7583333333	0.6	0.9166666667
Independent 2					
	Accuracy	MCC	AUC	Sensitivity	Specificity
ELM	0.9090909091	0.8086924734	0.8980769231	0.95	0.8461538462
MLP	0.7878787879	0.5627742568	0.7846153846	0.8	0.7692307692
SVM	0.9090909091	0.8137411551	0.9115384615	0.9	0.9230769231
ABC	0.9090909091	0.8137411551	0.9115384615	0.9	0.9230769231
RFC	0.8484848485	0.6882577059	0.8480769231	0.85	0.8461538462
QDA	0.7575757576	0.4823819106	0.7326923077	0.85	0.6153846154
Main					

Accuracy with Amino Acid Composition as Feature

Model	Alternate	Balanced1	Balanced2	Independent1	Independent2	Main
ELM	0.88	0.92	0.95	0.85	0.90	0.94
MLP	0.87	0.82	0.70	0.38	0.80	0.93
SVM	0.82	0.88	0.85	0.75	0.90	0.93
ABC	0.85	0.88	0.82	0.62	0.88	0.93
RFC	0.88	0.90	0.85	0.75	0.82	0.94
QDA	0.85	0.88	0.80	0.70	0.75	0.91

[illegible]