Dataset	Model	History length	#Features	AUC	likelihood	AUPR
Test	**knn**	**12**	**12**	**0.77**	**0.59**	**0.35**
Validation		1	1	0.67	11.27	0.53
		2	1	0.73	0.62	0.48
		3	3	0.75	0.59	0.46
		4	4	0.77	0.57	0.44
		5	5	0.77	0.57	0.44
		6	6	0.78	0.56	0.43
		7	1	0.79	0.56	0.42
		8	8	0.79	0.55	0.42
		9	9	0.79	0.55	0.42
		10	9	0.8	0.55	0.41
		11	11	0.8	0.54	0.41
		12	**12**	**0.8**	**0.54**	**0.4**
Training	**knn**	1	1	0.67	10.67	0.56
		2	1	0.72	0.59	0.52
		3	3	0.75	0.57	0.49
		4	1	0.77	0.55	0.48
		5	5	0.78	0.54	0.47
		6	6	0.79	0.54	0.46
		7	7	0.79	0.54	0.46
		8	8	0.79	0.54	0.46
		9	9	0.8	0.53	0.45
		10	8	0.8	0.53	0.45
		11	11	0.8	0.53	0.45
		12	**11**	**0.81**	**0.53**	**0.45**