Dataset	Model	History length	#Features	AUC	likelihood	AUPR
Test	**knn**	**9**	**9**	**0.76**	**0.6**	**0.36**
Validation		1	1	0.65	6.3	0.55
		2	2	0.71	0.64	0.49
		3	3	0.72	0.61	0.46
		4	3	0.75	0.59	0.46
		5	5	0.77	0.57	0.43
		6	6	0.79	0.56	0.42
		7	7	0.8	0.55	0.41
		8	8	0.8	0.54	0.41
		9	**9**	**0.8**	**0.53**	**0.4**
		10	10	0.8	0.54	0.41
		11	9	0.8	0.55	0.41
		12	11	0.8	0.54	0.41
Training	**knn**	1	1	0.65	6.09	0.58
		2	2	0.71	0.6	0.52
		3	3	0.73	0.58	0.5
		4	3	0.75	0.57	0.49
		5	5	0.77	0.56	0.47
		6	6	0.78	0.55	0.47
		7	7	0.79	0.54	0.45
		8	7	0.79	0.54	0.46
		9	9	0.79	0.54	0.45
		10	10	0.8	0.53	0.45
		11	11	0.8	0.53	0.45
		12	**12**	**0.81**	**0.53**	**0.44**