

Table S10: The ANN models using 20 hidden neurons for various lysine peptides

	Spe	Sen	Tot	AUR
	10-mer			
eisenberg+janin	75.86207	62.62626	74.0113	0.725871
rose+janin	75.04105	59.59596	72.88136	0.724387
cornette+janin	75.86207	51.51515	72.45763	0.705188
janin+engelman	73.39901	56.56566	71.0452	0.70304
kyte+engelman	76.19048	48.48485	72.31638	0.701448
hopp+engelman	75.86207	48.48485	72.0339	0.701125
kyte+janin	75.20525	48.48485	71.46893	0.697351
janin	76.68309	48.48485	72.74011	0.690169
rose+engelman	75.04105	51.51515	71.75141	0.689332
hopp+eisenberg	73.39901	52.52525	70.48023	0.681594
hopp+janin	78.16092	46.46465	73.72881	0.67758
cornette+eisenberg	73.89163	50.50505	70.62147	0.674653
cornette+engelman	75.20525	50.50505	71.75141	0.67175
kyte+rose	71.75698	48.48485	68.50282	0.667131
engelman	73.72742	46.46465	69.91525	0.663582
eisenberg+rose	76.02627	44.44444	71.61017	0.6597
cornette+rose	73.39901	49.49495	70.0565	0.658821
eisenberg+engelman	74.38424	51.51515	71.18644	0.656756
kyte+eisenberg	74.87685	47.47475	71.0452	0.65557
rose	73.07061	53.53535	70.33898	0.649052
eisenberg	75.36946	42.42424	70.76271	0.645635
hopp+cornette	68.1445	55.55556	66.38418	0.643827
hopp	72.7422	42.42424	68.50282	0.628012
kyte+cornette	72.41379	48.48485	69.0678	0.624529
cornette	69.78654	46.46465	66.52542	0.620076
hopp+rose	72.9064	45.45455	69.0678	0.617389
kyte	71.42857	39.39394	66.94915	0.612057
kyte+hopp	68.1445	43.43434	64.68927	0.565358
	20-mer			
kyte+engelman	81.33748	61.46789	78.45745	0.776157
eisenberg+engelman	78.07154	53.21101	74.46809	0.769915
cornette+engelman	76.98289	59.63303	74.46809	0.766319
rose+engelman	78.84914	61.46789	76.32979	0.764521
hopp+engelman	78.5381	57.79817	75.53191	0.764393
janin	78.38258	53.21101	74.73404	0.761454
eisenberg+janin	76.98289	55.04587	73.80319	0.7586
kyte+janin	76.67185	53.21101	73.27128	0.75631
janin+engelman	80.40435	45.87156	75.39894	0.754177
cornette+janin	78.22706	55.04587	74.86702	0.740951
hopp+eisenberg	75.89425	56.88073	73.1383	0.733909
hopp+janin	76.51633	51.37615	72.87234	0.731348
cornette+eisenberg	78.5381	59.63303	75.79787	0.729486
kyte+eisenberg	80.87092	52.29358	76.72872	0.727182
kyte+hopp	73.09487	58.7156	71.01064	0.723494
hopp+cornette	72.47278	59.63303	70.6117	0.723401
eisenberg+rose	80.24883	53.21101	76.32979	0.721375
rose+janin	78.38258	51.37615	74.46809	0.715924

cornette	69.51788	63.30275	68.61702	0.712885
engelman	78.07154	54.12844	74.60106	0.709433
cornette+rose	74.18351	53.21101	71.14362	0.709169
hopp+rose	72.00622	59.63303	70.21277	0.699202
rose	74.49456	58.7156	72.20745	0.695207
eisenberg	74.96112	50.45872	71.40957	0.690385
kyte+cornette	71.22862	51.37615	68.35106	0.673677
kyte+rose	71.53966	52.29358	68.75	0.664845
hopp	70.76205	52.29358	68.08511	0.655871
kyte	71.69518	46.78899	68.08511	0.643686