

Supplemental Table S1:

Batch	Sequence	Molecular weight	pI	GRAVY
174121	DGPSSAPATPTK	1,128.20	5.84	-1.00
174013	SLNSNVYDV	1,010.07	3.80	-0.13
174014	FPHLPGKTFVY	1,305.54	8.60	0.08
174015	SVLTPLLLR	1,011.27	9.47	1.31
174085	RYQALFHDF	1,196.33	6.74	-0.53
174122	GPSSAPATPTK	1,013.12	8.75	-0.77
174123	FPHLPGKTF	1,043.23	8.76	-0.22
174124	FLLPAGWIL	1,029.29	5.52	1.96
174125	LLPAGWIL	882.11	5.52	1.85
174126	TPLLLRGL	882.11	9.41	1.00
174017	AIVDKVPSV	927.11	5.88	1.01
174018	YLLPAIVHI	1,038.30	6.74	1.83
174019	VYVVGTAHF	992.14	6.71	1.29
174020	GTYVSSVPR	965.07	8.75	-0.19
174021	TYQEVAQKF	1,113.24	5.66	-0.84
174022	SPQGRVMTI	988.17	9.47	-0.10
174086	ITDSAGHILY	1,089.21	5.08	0.47
174087	RVYGGLTTK	994.16	9.99	-0.43
174088	ALKTGIVAK	900.13	10.00	0.80
174089	SVLNLVIVK	984.25	8.47	1.83
174090	DLIIKGISV	957.18	5.84	1.43
174127	NTDSPLRY	965.03	5.84	-1.51
174128	RPSGPGPEL	909.01	6.00	-1.18

Batch	Sequence	Molecular weight	pI	GRAVY
174023	DLKEKKEVV	1,087.28	6.18	-1.11
174024	TLHDQVHLL	1,075.23	5.90	0.17
174061	NVGGLIGTPK	955.12	8.75	0.16
174062	FYFPTPTVL	1,084.28	5.52	0.86
174063	RSYHLQIVTK	1,244.46	9.99	-0.54
174064	NPKAFFSVL	1,022.21	8.75	0.62
174065	NPSVREFVL	1,060.22	6.00	0.12
174066	VLVDQSWVL	1,058.24	3.80	1.28
174068	APDAKSFVL	947.10	5.88	0.51
174069	KVLEYVIKV	1,090.37	8.50	0.92
174070	GVYDGREHTV	1,132.20	5.32	-0.91
174071	KVLEHVVRV	1,078.32	8.75	0.61
174072	ALDEKVAEL	987.12	4.14	0.11
174073	GVYDGEEHSV	1,091.10	4.13	-0.82
174074	FVYGEPREL	1,109.25	4.53	-0.44
174075	NAVGVYAGR	906.01	8.75	0.21
174076	VWSDVTPLTF	1,164.32	3.80	0.68
174077	AVLPLTVAEVQK	1,267.53	6.05	0.88
174078	RVRELAVAL	1,026.25	9.60	0.79
174079	HLTEVYPEL	1,100.24	4.51	-0.22
174080	SVLADLVTTK	1,046.23	5.55	0.82
174081	IPFSNPRVL	1,042.25	9.75	0.37
174082	VLYGPAGLGK	974.17	8.56	0.56
174083	SPSVSQLSVL	1,016.16	5.24	0.77

Batch	Sequence	Molecular weight	pI	GRAVY
174084	VLYPVPLESY	1,179.38	4.00	0.59
174092	TLLKALLEI	1,013.29	5.66	1.49
174093	ALREEEEGV	1,031.09	4.09	-1.01
174094	SLLKFLAKV	1,018.31	10.00	1.29
174095	LIHFLLLK	996.30	8.76	1.93
174096	GLYDGREHSV	1,132.20	5.32	-0.96
174129	LAQPPSGQR	953.07	9.75	-1.14
174130	FPSLREAAL	1,003.17	6.00	0.40
174132	SPSKAFASL	907.03	8.47	0.26
174205	RLLDSVSRL	1,058.25	9.60	0.17
174206	TYSEKTTLF	1,089.21	5.66	-0.56
174207	SLLQHLLGL	993.21	6.46	1.31
174208	SPSSILSTL	904.03	5.24	0.73
174210	VLLAGFKPPL	1,054.34	8.72	1.27
174211	LYLPKSWTI	1,120.36	8.59	0.32
