



nHLAPred
A neural network based MHC Class-I Binding Peptide Prediction Server

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Antigen Name	Untitled
Scanned on	Mon Feb 1 13:20:23 2010
Length of input sequence	449 amino acids
Number of nonamers from input sequence	441
Threshold setting	.5
Number of alleles in query	67
Number of top scorers to be displayed	4
Number of top scorers to be displayed	4
Proteosome Filter	on at 5 threshold
ImmunoProteosome Filter	on at 5 threshold

ALLELE: HLA-A1				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNs+QM	1	ALEGGVAAL	84	1.000
ANNs+QM	2	RDDVLSVNY	321	0.590
ANNs+QM	3	LSFELAGGI	353	0.410
ANNs+QM	4	QAAETFAIL	98	0.380

ALLELE: HLA-A2				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNs+QM	1	ALEGGVAAL	84	1.000
ANNs+QM	2	TYNLFHYSL	125	1.000
ANNs+QM	3	GIDDILADL	421	0.990
ANNs+QM	4	ELGPPAFAL	263	0.950

ALLELE: HLA-A*0201				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	ISNPQIDLL	168	5.000
ANNS+QM	2	ALEGGVAAL	84	1.000
ANNS+QM	3	AQGLETLSL	294	1.000
ANNS+QM	4	FLAARDDVL	317	1.000

ALLELE: HLA-A*0202				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	YLGGHGAAI	221	1.000
ANNS+QM	2	ELGPPAFAL	263	1.000
ANNS+QM	3	ATPYLIQPL	199	0.980
ANNS+QM	4	APKGTGAVL	345	0.980

ALLELE: HLA-A*0203				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	RLAPKGTGA	343	1.000
ANNS+QM	2	ALKARVQLL	270	0.940
ANNS+QM	3	VFAELGPPA	260	0.900
ANNS+QM	4	GVSPGLVRL	407	0.800

ALLELE: HLA-A*0206				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	GIEAGKAFV	360	0.990
ANNS+QM	2	ALEGGVAAL	84	0.970
ANNS+QM	3	GVSPGLVRL	407	0.870
ANNS+QM	4	VVHSATKYL	214	0.750

ALLELE: HLA-A*0205				
Threshold for 4 % with score: 5.950				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ELGPPAFAL	263	15.300
QM	2	ATPYLIQPL	199	13.290
QM	3	ALEGGVAAL	84	12.900
QM	4	GVSPGLVRL	407	11.150

ALLELE: HLA-A*1101				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	VIHPASTTH	387	0.910
ANNS+QM	2	SSGQAAETF	95	0.690
ANNS+QM	3	LSFELAGGI	353	0.420
ANNS+QM	4	ALFLSSGQA	91	0.410

ALLELE: HLA-A11				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	RVAEFLAAR	313	1.000
ANNS+QM	2	TTDVVEQRI	74	0.900
ANNS+QM	3	PFNAFLVAQ	287	0.770
ANNS+QM	4	RDDVLSVNY	321	0.690

ALLELE: HLA-A24				
Threshold for 4 % with score: 7.670				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ELGPPAFAL	263	10.690
QM	2	AQGLETLSL	294	10.190
QM	3	DPSYHGVSF	253	9.520
QM	4	QAAETFAIL	98	9.380

ALLELE: HLA-A*2402				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	TYNLFHYSL	125	1.000
ANNS+QM	2	LFHYSLAKL	128	1.000
ANNS+QM	3	PWHERAKRL	336	0.890
ANNS+QM	4	ILADLELGF	425	0.760

ALLELE: HLA-A3				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	RVAEFLAAR	313	1.000
ANNS+QM	2	VIHPASTTH	387	0.980
ANNS+QM	3	TKYLGGHGA	219	0.970
ANNS+QM	4	TFDDTAHAA	47	0.940

ALLELE: HLA-A*3101				
Threshold for 4 % with score: -1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	RVAEFLAAR	313	2.485
QM	2	RIAALEGGV	81	-2.813
QM	3	ALFLSSGQA	91	-2.813

ALLELE: HLA-A31				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	RVAEFLAAR	313	1.000
ANNS+QM	2	TTDVVEQRI	74	0.910
ANNS+QM	3	RLAPKGTGA	343	0.890
ANNS+QM	4	YTFDDTAHA	46	0.790

ALLELE: HLA-A*0301				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	ALFLSSGQA	91	1.000
ANNS+QM	2	YLGGHGAAI	221	0.930
ANNS+QM	3	VIHPASTTH	387	0.910
ANNS+QM	4	ADLELGFAA	427	0.850

ALLELE: HLA-A*3302				
Threshold for 4 % with score: -0.105				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	RVAEFLAAR	313	1.504
QM	2	ELGPPAFAL	263	-0.105
QM	3	VVEQRIAAL	77	-0.693

ALLELE: HLA-A68.1				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	RVAEFLAAR	313	5.991
QM	2	GVSPGLVRL	407	1.792
QM	3	VVEQRIAAL	77	1.386
QM	4	VVHSATKYL	214	1.386

ALLELE: HLA-A20 Cattle				
Threshold for 4 % with score: 3.401				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	TKYLGGHGA	219	4.605
QM	2	RVAEFLAAR	313	3.689
QM	3	ALEGGVAAL	84	2.708
QM	4	ELGPPAFAL	263	2.708

ALLELE: HLA-A2.1				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	YLGGHGAAI	221	1.000
ANNS+QM	2	ELGPPAFAL	263	1.000
ANNS+QM	3	GGIEAGKAF	359	0.990
ANNS+QM	4	ILADLELGF	425	0.980

ALLELE: HLA-B14				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DDTAHAAAL	49	1.000
ANNS+QM	2	VVEQRIAAL	77	1.000
ANNS+QM	3	ALKARVQLL	270	1.000
ANNS+QM	4	PWHERAKRL	336	1.000

ALLELE: HLA-B*2702				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	QRVAEFLAA	312	2.996
QM	2	AQGLETLSL	294	1.792
QM	3	KRLAPKGTG	342	1.792
QM	4	AQLSPAQQL	396	1.792

ALLELE: HLA-B27				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	KRLAPKGTG	342	0.380
ANNS+QM	2	PSYHGVVFA	254	0.280
ANNS+QM	3	RDDVLSVNY	321	0.140
ANNS+QM	4	GFAAARRFS	432	0.110

ALLELE: HLA-B*2705				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	KRLAPKGTG	342	0.690
ANNS+QM	2	AETFAILNL	100	0.670
ANNS+QM	3	RIAALEGGV	81	0.510
ANNS+QM	4	TKYLGGHGA	219	0.430

ALLELE: HLA-B*3501				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DPTTNARAL	30	1.000
ANNS+QM	2	DPSYHGVVF	253	1.000
ANNS+QM	3	APKGTGAVL	345	0.890
ANNS+QM	4	FAELGPPAF	261	0.720

ALLELE: HLA-B*3701				
Threshold for 4 % with score: 0.405				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	DDTAHAAAL	49	3.689
QM	2	DDILADLEL	423	3.689
QM	3	AETFAILNL	100	2.303
QM	4	RDDVLSVNY	321	2.079

ALLELE: HLA-B*3801				
Threshold for 4 % with score: 0.445				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	YHGVVFAEL	256	3.664
QM	2	GIEGIDDIL	418	2.054
QM	3	GIDDILADL	421	2.054
QM	4	ALEGGVAAL	84	1.792

ALLELE: HLA-B*3901				
Threshold for 4 % with score: 1.792				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	YHGVVFAEL	256	4.500
QM	2	RHVANAQRV	306	4.094
QM	3	GIDDILADL	421	3.296
QM	4	VVEQRI AAL	77	2.603

ALLELE: HLA-B*3902				
Threshold for 4 % with score: 0.693				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AQGLETL LSL	294	2.996
QM	2	AQLSPA EQL	396	2.996
QM	3	TYNLFH YSL	125	0.875
QM	4	ATPYLI QPL	199	0.875

ALLELE: HLA-B40				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AETFAI LNL	100	3.689
QM	2	FELAGG IEA	355	3.689
QM	3	TDVVEQ RIA	75	2.303
QM	4	DDILAD LEL	423	2.303

ALLELE: HLA-B*4403				
Threshold for 4 % with score: 0.405				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	RDDVLS VNY	321	2.708
QM	2	IEAGKA FVN	361	2.497
QM	3	AETFAI LNL	100	2.485
QM	4	GGIEAG KAF	359	2.420

ALLELE: HLA-B*5101				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	NAQRVAEFL	310	1.000
ANNS+QM	2	DPTTNARAL	30	0.970
ANNS+QM	3	DPSYHGVSF	253	0.940
ANNS+QM	4	KAFVNALKL	365	0.910

ALLELE: HLA-B*5102				
Threshold for 4 % with score: 9.050				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	NAQRVAEFL	310	13.180
QM	2	DPSYHGVSF	253	11.640
QM	3	NAFLVAQGL	289	9.220
QM	4	RHVANAQRV	306	8.800

ALLELE: HLA-B*5103				
Threshold for 4 % with score: 9.280				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	DPSYHGVSF	253	16.640
QM	2	NAQRVAEFL	310	13.180
QM	3	FAELGPPAF	261	10.730
QM	4	NAFLVAQGL	289	9.220

ALLELE: HLA-B*5201				
Threshold for 4 % with score: 1.974				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	HGAAIAGVI	225	4.787
QM	2	DPSYHGVSF	253	3.219
QM	3	LSFELAGGI	353	2.890
QM	4	APKGTGAVL	345	2.708

ALLELE: HLA-B*5301				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DPTTNARAL	30	1.000
ANNS+QM	2	DPSYHGVSF	253	1.000
ANNS+QM	3	APKGTGAVL	345	1.000
ANNS+QM	4	GPPAFALKA	265	0.970

ALLELE: HLA-B*5401				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DPSYHGVSF	253	1.000
ANNS+QM	2	GPPAFALKA	265	1.000
ANNS+QM	3	DPTTNARAL	30	0.980
ANNS+QM	4	APKGTGAVL	345	0.970

ALLELE: HLA-B*51				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DPSYHGVSF	253	0.990
ANNS+QM	2	GPPAFALKA	265	0.990
ANNS+QM	3	DPTTNARAL	30	0.980
ANNS+QM	4	NAFLVAQGL	289	0.880

ALLELE: HLA-B*5801				
Threshold for 4 % with score: -0.223				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	SSGQAAETF	95	3.784
QM	2	FAELGPPAF	261	2.996
QM	3	ISNPQIDLL	168	1.974
QM	4	LSFELAGGI	353	1.792

ALLELE: HLA-B60				
Threshold for 4 % with score: 1.386				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AETFAILNL	100	5.768
QM	2	DDILADLEL	423	4.382
QM	3	DDTAHAAAL	49	2.996
QM	4	FELAGGIEA	355	2.773

ALLELE: HLA-B61				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	FELAGGIEA	355	3.689
QM	2	AETFAILNL	100	3.466
QM	3	TDVVEQRIA	75	1.609
QM	4	ADLELGFAA	427	1.609

ALLELE: HLA-B62				
Threshold for 4 % with score: 0.693				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ILADLELGF	425	4.229
QM	2	AQGLETLSL	294	2.262
QM	3	ALKARVQLL	270	1.792
QM	4	YLGGHGAAI	221	1.569

ALLELE: HLA-B7				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DPTTNARAL	30	1.000
ANNS+QM	2	ATPYLIQPL	199	1.000
ANNS+QM	3	DPSYHGVSF	253	1.000
ANNS+QM	4	APKGTGAVL	345	1.000

ALLELE: HLA-B*0702				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DPTTNARAL	30	1.000
ANNS+QM	2	APKGTGAVL	345	1.000
ANNS+QM	3	GPPAFALKA	265	0.980
ANNS+QM	4	DPSYHGVSF	253	0.940

ALLELE: HLA-B8				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	ALKARVQLL	270	1.000
ANNS+QM	2	GPPAFALKA	265	0.740
ANNS+QM	3	GFAAARRFS	432	0.710
ANNS+QM	4	RIAALEGGV	81	0.690

ALLELE: HLA-Cw*0301				
Threshold for 4 % with score: 2.015				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	QAAETFAIL	98	3.401
QM	2	ANIGDVRSL	378	2.996
QM	3	AQLSPAQQL	396	2.996
QM	4	NAFLVAQGL	289	2.667

ALLELE: HLA-Cw*0401				
Threshold for 4 % with score: 4.370				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	APKGTGAVL	345	10.090
QM	2	DPSYHGVSF	253	7.030
QM	3	GGIEAGKAF	359	6.640
QM	4	ALKARVQLL	270	6.560

ALLELE: HLA-Cw*0602				
Threshold for 4 % with score: 1.482				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ATPYLIQPL	199	2.580
QM	2	AGKAFVNAL	363	2.580
QM	3	GIDDILADL	421	2.485
QM	4	TYNLFHYSL	125	1.792

ALLELE: HLA-Cw*0702				
Threshold for 4 % with score: 1.212				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	RDDVLSVNY	321	2.773
QM	2	ILADLELGF	425	1.723
QM	3	ATPYLIQPL	199	1.569
QM	4	GIDDILADL	421	1.394

ALLELE: H2-Db				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	KAFVNALKL	365	1.000
ANNS+QM	2	QAAETFAIL	98	0.980
ANNS+QM	3	AALEGGVAA	83	0.930
ANNS+QM	4	YHGVVFAEL	256	0.930

ALLELE: H2-Dd				
Threshold for 4 % with score: 11.800				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	EGGVAALFL	86	21.460
QM	2	SGQAAETFA	96	17.890
QM	3	GGIEAGKAF	359	17.740
QM	4	PWHERAKRL	336	16.330

ALLELE: H2-Kb				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	VIHPASTTH	387	0.960
ANNS+QM	2	DPTTNARAL	30	0.950
ANNS+QM	3	KAFVNALKL	365	0.920
ANNS+QM	4	APKGTGAVL	345	0.900

ALLELE: H2-Kd				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DPTTNARAL	30	1.000
ANNS+QM	2	TYNLFHYSL	125	1.000
ANNS+QM	3	LFHYSLAKL	128	1.000
ANNS+QM	4	ANIGDVRSL	378	0.970

ALLELE: H2-Kk				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	FELAGGIEA	355	3.401
QM	2	TTDVVEQRI	74	2.996
QM	3	AETFAILNL	100	2.996
QM	4	HGAAIAGVI	225	2.303

ALLELE: H2-Ld				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DPTTNARAL	30	1.000
ANNS+QM	2	TYNLFHYSL	125	1.000
ANNS+QM	3	ISNPQIDLL	168	1.000
ANNS+QM	4	DPSYHGVSF	253	1.000

ALLELE: HLA-G				
Threshold for 4 % with score: 9.260				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ALKARVQLL	270	20.180
QM	2	FLAARDDVL	317	14.180
QM	3	ATPYLIQPL	199	13.510
QM	4	ELGPPAFAL	263	12.180

ALLELE: H-2Qa				
Threshold for 4 % with score: 6.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ELGPPAFAL	263	8.760
QM	2	DPTTNARAL	30	8.180
QM	3	NAQRVAEFL	310	6.890
QM	4	AQLSPAQQL	396	6.710

ALLELE: HLA-B*2706				
Threshold for 4 % with score: 5.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	TKYLGGHGA	219	6.000
QM	2	IAALEGGVA	82	5.670
QM	3	TYNLFHYSL	125	5.670
QM	4	GIEGIDDIL	418	5.420

ALLELE: HLA-B35				
Threshold for 4 % with score: 8.350				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	NAFLVAQGL	289	12.350
QM	2	APKGTGAVL	345	11.080
QM	3	DPSYHGVSF	253	10.960
QM	4	PWHERAKRL	336	10.750

ALLELE: Mamu-A*01				
Threshold for 4 % with score: 3.650				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ATPYLIQPL	199	7.170
QM	2	VVEQRIAAL	77	5.860
QM	3	TYNLFHYSL	125	5.150
QM	4	TTDVVEQRI	74	4.280

ALLELE: HLA-A*0204				
Threshold for 4 % with score: 12.070				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	FLAARDDDL	317	18.270
QM	2	ALEGGVAAL	84	17.910
QM	3	ILNLAGAGD	105	16.760
QM	4	ALKARVQLL	270	16.310

ALLELE: HLA-B*2703				
Threshold for 4 % with score: 5.130				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	YHGVVFAEL	256	3.430
QM	2	YTFDDTAHA	46	3.110
QM	3	DPSYHGVSF	253	3.000
QM	4	GVSPGLVRL	407	2.680

ALLELE: HLA-B*2704				
Threshold for 4 % with score: 8.790				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	VVHSATKYL	214	12.810
QM	2	DDILADLEL	423	10.920
QM	3	DDTAHAAAL	49	10.800
QM	4	VVEQRIAAL	77	10.800

ALLELE: HLA-B*2902				
Threshold for 4 % with score: 7.750				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	GVSPGLVRL	407	8.160
QM	2	TYNLFHYSL	125	7.800
QM	3	ANIGDVRSL	378	7.600
QM	4	SSGQAAETF	95	7.330

ALLELE: HLA-A*3301				
Threshold for 4 % with score: 3.840				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ALFLSSGQA	91	4.090
QM	2	VIHPASTTH	387	3.960
QM	3	RVAEFLAAR	313	3.210
QM	4	MSADSNSTD	1	3.180

ALLELE: HLA-B44				
Threshold for 4 % with score: 4.900				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AETFAILNL	100	10.790
QM	2	FELAGGIEA	355	9.330
QM	3	SSGQAAETF	95	9.170
QM	4	APKGTGAVL	345	7.320

ALLELE: HLA-A*6801				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	RVAEFLAAR	313	1.000
ANNS+QM	2	YLGHGAAI	221	0.960
ANNS+QM	3	VIHPASTTH	387	0.940
ANNS+QM	4	VVHSATKYL	214	0.910

ALLELE: HLA-A*6802				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	ILNLAGAGD	105	0.990
ANNS+QM	2	GFAAARRFS	432	0.990
ANNS+QM	3	RIAALEGGV	81	0.980
ANNS+QM	4	FAILNLAGA	103	0.980