



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

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Antigen Name	Untitled
Scanned on	Tue Jan 26 00:36:09 2010
Length of input sequence	250 amino acids
Number of nonamers from input sequence	242
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

<b>ALLELE: HLA-A1</b>				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	AADAARATY	135	0.990
<b>ANNS+QM</b>	2	LAAVAPAVF	219	0.620
<b>ANNS+QM</b>	3	HADVEIRRL	203	0.550
<b>ANNS+QM</b>	4	YSELLAKLE	143	0.390

<b>ALLELE: HLA-A2</b>				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	LAIECLRQL	211	0.700
<b>ANNS+QM</b>	2	QLAAVAPAV	218	0.700
<b>ANNS+QM</b>	3	FADFEVTTL	227	0.630
<b>ANNS+QM</b>	4	DDADLRHIL	124	0.310

<b>ALLELE: HLA-A*0201</b>				
Threshold for .5 % with score: .5				



Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	QLIAKTDFL	10	1.000
<b>ANNS+QM</b>	2	QLAAVAPAV	218	1.000
<b>ANNS+QM</b>	3	CLRQLAAVA	215	0.890
<b>ANNS+QM</b>	4	FADFEVTTL	227	0.850

<b>ALLELE: HLA-A*0202</b>				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	IDVGHFVSL	65	8.330
<b>ANNS+QM</b>	2	QLIAKTDFL	10	0.990
<b>ANNS+QM</b>	3	CLRQLAAVA	215	0.990
<b>ANNS+QM</b>	4	QLAAVAPAV	218	0.990

<b>ALLELE: HLA-A*0203</b>				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	CLRQLAAVA	215	0.980
<b>ANNS+QM</b>	2	QLAAVAPAV	218	0.980
<b>ANNS+QM</b>	3	LLAKLEAKF	146	0.950
<b>ANNS+QM</b>	4	TYSELLAKL	142	0.660

<b>ALLELE: HLA-A*0206</b>				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	QLIAKTDFL	10	1.000
<b>ANNS+QM</b>	2	QLAAVAPAV	218	0.970
<b>ANNS+QM</b>	3	LAAVAPAVF	219	0.080
<b>ANNS+QM</b>	4	IRRLAIECL	208	0.050

<b>ALLELE: HLA-A*0205</b>				
Threshold for 4 % with score: 5.950				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DDADLRHIL	124	10.450



<b>QM</b>	2	QLAAVAPAV	218	8.290
<b>QM</b>	3	QLIAKTDNFL	10	8.260
<b>QM</b>	4	TDADGGPAL	27	7.630

<b>ALLELE: HLA-A*1101</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	TTLADGTEV	233	0.860
<b>ANNS+QM</b>	2	AVLPNATET	173	0.850
<b>ANNS+QM</b>	3	LTEAADAAR	132	0.740
<b>ANNS+QM</b>	4	AADAARATY	135	0.490

<b>ALLELE: HLA-A11</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	LTEAADAAR	132	1.000
<b>ANNS+QM</b>	2	AVLPNATET	173	0.950
<b>ANNS+QM</b>	3	RKQARQAAR	164	0.940
<b>ANNS+QM</b>	4	AADAARATY	135	0.880

<b>ALLELE: HLA-A24</b>				
Threshold for 4 % with score: 7.670				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	IDVGHFVSL	65	9.500
<b>QM</b>	2	LAAVAPAVF	219	8.880
<b>QM</b>	3	ARQAARAVL	167	8.660
<b>QM</b>	4	TYSELLAKL	142	5.460

<b>ALLELE: HLA-A*2402</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	TYSELLAKL	142	0.990
<b>ANNS+QM</b>	2	LLAKLEAKF	146	0.930
<b>ANNS+QM</b>	3	LAAVAPAVF	219	0.700

<b>ANNs+QM</b>	4	PWTTDADGG	24	0.170
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<b>ALLELE: HLA-A3</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AADAARATY	135	0.990
<b>ANNs+QM</b>	2	RKQARQAAR	164	0.990
<b>ANNs+QM</b>	3	CLRQLAAVA	215	0.990
<b>ANNs+QM</b>	4	TYSELLAKL	142	0.820

<b>ALLELE: HLA-A*3101</b>				
Threshold for 4 % with score: -1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LTEAADAAR	132	0.000
<b>QM</b>	2	RKQARQAAR	164	-2.813
<b>QM</b>	3	QLIAKTDFL	10	-3.219

<b>ALLELE: HLA-A31</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	PPDVPWTTD	20	0.750
<b>ANNs+QM</b>	2	LTEAADAAR	132	0.750
<b>ANNs+QM</b>	3	LLAKLEAKF	146	0.740
<b>ANNs+QM</b>	4	TTDADGGPA	26	0.630

<b>ALLELE: HLA-A*0301</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AVLPNATET	173	0.920
<b>ANNs+QM</b>	2	AADAARATY	135	0.870
<b>ANNs+QM</b>	3	ADAARATYS	136	0.780
<b>ANNs+QM</b>	4	CLRQLAAVA	215	0.770

<b>ALLELE: HLA-A*3302</b>				
Threshold for 4 % with score: -0.105				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LTEAADAAR	132	1.099
<b>QM</b>	2	DLRHILTEA	127	-0.105
<b>QM</b>	3	HILTEAADA	130	-0.693

<b>ALLELE: HLA-A68.1</b>				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LTEAADAAR	132	4.317
<b>QM</b>	2	AVLPNATET	173	2.485
<b>QM</b>	3	TTLADGTEV	233	0.693

<b>ALLELE: HLA-A20 Cattle</b>				
Threshold for 4 % with score: 3.401				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	RKQARQAAR	164	8.294
<b>QM</b>	2	LTEAADAAR	132	3.689
<b>QM</b>	3	QLIAKTDFL	10	2.708
<b>QM</b>	4	LLAKLEAKF	146	2.708

<b>ALLELE: HLA-A2.1</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	QLAAVAPAV	218	1.000
<b>ANNS+QM</b>	2	ARATYSELL	139	0.970
<b>ANNS+QM</b>	3	QLIAKTDFL	10	0.960
<b>ANNS+QM</b>	4	CLRQLAAVA	215	0.960

<b>ALLELE: HLA-B14</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score

<b>ANNs+QM</b>	1	ARATYSELL	139	1.000
<b>ANNs+QM</b>	2	ARQAARAVL	167	1.000
<b>ANNs+QM</b>	3	IRRLAIECL	208	1.000
<b>ANNs+QM</b>	4	AADAARATY	135	0.930

<b>ALLELE: HLA-B*2702</b>				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARATYSELL	139	4.094
<b>QM</b>	2	ARQAARAVL	167	4.094
<b>QM</b>	3	IRRLAIECL	208	4.094
<b>QM</b>	4	LRRKQARQA	162	1.792

<b>ALLELE: HLA-B*27</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ARATYSELL	139	1.000
<b>ANNs+QM</b>	2	IRRLAIECL	208	0.860
<b>ANNs+QM</b>	3	LRRKQARQA	162	0.680
<b>ANNs+QM</b>	4	LRQLAAVAP	216	0.350

<b>ALLELE: HLA-B*2705</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ARATYSELL	139	1.000
<b>ANNs+QM</b>	2	ARQAARAVL	167	1.000
<b>ANNs+QM</b>	3	IRRLAIECL	208	1.000
<b>ANNs+QM</b>	4	LRRKQARQA	162	0.880

<b>ALLELE: HLA-B*3501</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	PPDVPWTTD	20	0.890
<b>ANNs+QM</b>	2	RKQARQAAR	164	0.550



<b>ANNs+QM</b>	3	AADAARATY	135	0.530
<b>ANNs+QM</b>	4	LAAVAPAVF	219	0.520

<b>ALLELE: HLA-B*3701</b>				
Threshold for 4 % with score: 0.405				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TDADGGPAL	27	3.689
<b>QM</b>	2	IDVGHFVSL	65	3.689
<b>QM</b>	3	DDADLRHIL	124	3.689
<b>QM</b>	4	QLIAKTDFL	10	1.609

<b>ALLELE: HLA-B*3801</b>				
Threshold for 4 % with score: 0.445				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TYSELLAKL	142	1.831
<b>QM</b>	2	HADVEIRRL	203	1.099
<b>QM</b>	3	FADFEVTTL	227	1.099
<b>QM</b>	4	LAIECLRQL	211	0.693

<b>ALLELE: HLA-B*3901</b>				
Threshold for 4 % with score: 1.792				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LAIECLRQL	211	2.890
<b>QM</b>	2	ARATYSELL	139	2.708
<b>QM</b>	3	HADVEIRRL	203	2.603
<b>QM</b>	4	FADFEVTTL	227	2.603

<b>ALLELE: HLA-B*3902</b>				
Threshold for 4 % with score: 0.693				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARATYSELL	139	0.875
<b>QM</b>	2	TYSELLAKL	142	0.875
<b>QM</b>	3	QLIAKTDFL	10	0.693
<b>QM</b>	4	ARQAARAVL	167	0.693

<b>ALLELE: HLA-B40</b>				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	IDVGHFSVL	65	2.303
<b>QM</b>	2	AAVAPAVFA	220	1.792
<b>QM</b>	3	TDADGGPAL	27	1.609
<b>QM</b>	4	DDADLRHIL	124	1.609

<b>ALLELE: HLA-B*4403</b>				
Threshold for 4 % with score: 0.405				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AADAARATY	135	2.197
<b>QM</b>	2	ADAARATYS	136	1.504
<b>QM</b>	3	DDADLRHIL	124	1.099
<b>QM</b>	4	LAAVAPAVF	219	1.099

<b>ALLELE: HLA-B*5101</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LAIECLRQL	211	0.880
<b>ANNs+QM</b>	2	FADFEVTTL	227	0.650
<b>ANNs+QM</b>	3	PPDVPWTTD	20	0.540
<b>ANNs+QM</b>	4	LRQLAAVAP	216	0.490

<b>ALLELE: HLA-B*5102</b>				
Threshold for 4 % with score: 9.050				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AAVAPAVFA	220	8.450
<b>QM</b>	2	TTLADGTEV	233	7.190
<b>QM</b>	3	HADVEIRRL	203	5.910
<b>QM</b>	4	QLAAVAPAV	218	4.990



<b>ALLELE: HLA-B*5103</b>				
Threshold for 4 % with score: 9.280				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AAVAPAVFA	220	8.450
<b>QM</b>	2	TTLADGTEV	233	7.190
<b>QM</b>	3	HADVEIRRL	203	5.910
<b>QM</b>	4	QLAAVAPAV	218	4.990

<b>ALLELE: HLA-B*5201</b>				
Threshold for 4 % with score: 1.974				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LAAVAPAVF	219	2.603
<b>QM</b>	2	DDADLRHIL	124	1.386
<b>QM</b>	3	IDVGHFVSL	65	1.099
<b>QM</b>	4	QLAAVAPAV	218	0.875

<b>ALLELE: HLA-B*5301</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	PPDVPWTTD	20	0.970
<b>ANNS+QM</b>	2	IDVGHFVSL	65	0.470
<b>ANNS+QM</b>	3	LAAVAPAVF	219	0.370
<b>ANNS+QM</b>	4	QLIAKTDFL	10	0.230

<b>ALLELE: HLA-B*5401</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	PPDVPWTTD	20	0.970
<b>ANNS+QM</b>	2	TTDADGGPA	26	0.450
<b>ANNS+QM</b>	3	LAAVAPAVF	219	0.440
<b>ANNS+QM</b>	4	CLRQLAAVA	215	0.430

<b>ALLELE: HLA-B*51</b>				
Threshold for 4 % with score: 4				

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LAAVAPAVF	219	0.360
<b>ANNs+QM</b>	2	PPDVPWTTD	20	0.340
<b>ANNs+QM</b>	3	LAIECLRQL	211	0.310
<b>ANNs+QM</b>	4	QLIAKTDFL	10	0.290

<b>ALLELE: HLA-B*5801</b>				
Threshold for 4 % with score: -0.223				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LAAVAPAVF	219	2.996
<b>QM</b>	2	AADAARATY	135	1.289
<b>QM</b>	3	LAIECLRQL	211	0.875
<b>QM</b>	4	TTDADGGPA	26	0.788

<b>ALLELE: HLA-B60</b>				
Threshold for 4 % with score: 1.386				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DDADLRHIL	124	3.784
<b>QM</b>	2	TDADGGPAL	27	3.689
<b>QM</b>	3	IDVGHFVSL	65	3.689
<b>QM</b>	4	LAIECLRQL	211	2.175

<b>ALLELE: HLA-B61</b>				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TDADGGPAL	27	0.693
<b>QM</b>	2	IDVGHFVSL	65	0.693
<b>QM</b>	3	DDADLRHIL	124	0.693
<b>QM</b>	4	TTLADGTEV	233	0.693

<b>ALLELE: HLA-B62</b>				
Threshold for 4 % with score: 0.693				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LLAKLEAKF	146	3.689

<b>QM</b>	2	DLRHILTEA	127	2.667
<b>QM</b>	3	CLRQLAAVA	215	2.580
<b>QM</b>	4	QLAAVAPAV	218	1.386

<b>ALLELE: HLA-B7</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	ARQAARAVL	167	1.000
<b>ANNS+QM</b>	2	AADAARATY	135	0.940
<b>ANNS+QM</b>	3	PPDVPWTTD	20	0.930
<b>ANNS+QM</b>	4	AETAPLRVQ	2	0.870

<b>ALLELE: HLA-B*0702</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	PPDVPWTTD	20	0.970
<b>ANNS+QM</b>	2	LAAVAPAVF	219	0.750
<b>ANNS+QM</b>	3	ARATYSELL	139	0.320
<b>ANNS+QM</b>	4	TTDADGGPA	26	0.300

<b>ALLELE: HLA-B8</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	QLIAKTDFL	10	0.680
<b>ANNS+QM</b>	2	LAAVAPAVF	219	0.660
<b>ANNS+QM</b>	3	AADAARATY	135	0.640
<b>ANNS+QM</b>	4	LLAKLEAKF	146	0.630

<b>ALLELE: HLA-Cw*0301</b>				
Threshold for 4 % with score: 2.015				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	IDVGHFVSL	65	4.787
<b>QM</b>	2	LAIECLRQL	211	4.094
<b>QM</b>	3	QLIAKTDFL	10	2.996

<b>QM</b>	4	AVLPNATET	173	1.792
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<b>ALLELE: HLA-Cw*0401</b>				
Threshold for 4 % with score: 4.370				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	QLIAKTDLF	10	10.490
<b>QM</b>	2	HADVEIRRL	203	8.900
<b>QM</b>	3	TDADGGPAL	27	6.040
<b>QM</b>	4	FADFEVTTL	227	4.780

<b>ALLELE: HLA-Cw*0602</b>				
Threshold for 4 % with score: 1.482				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TYSELLAKL	142	2.485
<b>QM</b>	2	DDADLRHIL	124	1.792
<b>QM</b>	3	HADVEIRRL	203	1.577
<b>QM</b>	4	IRRLAIECL	208	1.577

<b>ALLELE: HLA-Cw*0702</b>				
Threshold for 4 % with score: 1.212				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TYSELLAKL	142	2.156
<b>QM</b>	2	DDADLRHIL	124	1.905
<b>QM</b>	3	LLAKLEAKF	146	1.569
<b>QM</b>	4	AADAARATY	135	1.482

<b>ALLELE: H2-Db</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	TDADGGPAL	27	0.980
<b>ANNS+QM</b>	2	FADFEVTTL	227	0.970
<b>ANNS+QM</b>	3	TYSELLAKL	142	0.540
<b>ANNS+QM</b>	4	AADAARATY	135	0.490

<b>ALLELE: H2-Dd</b>				
Threshold for 4 % with score: 11.800				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARQAARAVL	167	13.220
<b>QM</b>	2	DDADLRHIL	124	12.580
<b>QM</b>	3	RKQARQAAR	164	11.200
<b>QM</b>	4	TYSELLAKL	142	9.470

<b>ALLELE: H2-Kb</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	FADFEVTTL	227	1.000
<b>ANNS+QM</b>	2	HADVEIRRL	203	0.990
<b>ANNS+QM</b>	3	ARATYSELL	139	0.980
<b>ANNS+QM</b>	4	PPDVPWTTD	20	0.960

<b>ALLELE: H2-Kd</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	TYSELLAKL	142	1.000
<b>ANNS+QM</b>	2	ARATYSELL	139	0.980
<b>ANNS+QM</b>	3	ARQAARAVL	167	0.830
<b>ANNS+QM</b>	4	LAIECLRQL	211	0.730

<b>ALLELE: H2-Kk</b>				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DDADLRHIL	124	2.773
<b>QM</b>	2	TDADGGPAL	27	2.079
<b>QM</b>	3	IDVGHFVSL	65	1.386
<b>QM</b>	4	ADAARATYS	136	0.693

<b>ALLELE: H2-Ld</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	IDVGHFSVL	65	0.640
<b>ANNS+QM</b>	2	ARQAARAVL	167	0.600
<b>ANNS+QM</b>	3	PPDVPWTTD	20	0.550
<b>ANNS+QM</b>	4	LAAVAPAVF	219	0.530

<b>ALLELE: HLA-G</b>				
Threshold for 4 % with score: 9.260				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARQAARAVL	167	11.440
<b>QM</b>	2	FADFEVTTL	227	10.780
<b>QM</b>	3	ARATYSELL	139	8.780
<b>QM</b>	4	VVPPGMEDD	117	8.730

<b>ALLELE: H-2Qa</b>				
Threshold for 4 % with score: 6.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DDADLRHIL	124	13.470
<b>QM</b>	2	TDADGGPAL	27	6.140
<b>QM</b>	3	LAIECLRQL	211	5.260
<b>QM</b>	4	TYSELLAKL	142	2.600

<b>ALLELE: HLA-B*2706</b>				
Threshold for 4 % with score: 5.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	IRRLAIECL	208	6.000
<b>QM</b>	2	QLIAKTDLF	10	4.670
<b>QM</b>	3	PWTTDADGG	24	4.210
<b>QM</b>	4	ARATYSELL	139	1.930

<b>ALLELE: HLA-B35</b>				
Threshold for 4 % with score: 8.350				

Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	PPDVPWTTD	20	7.800
QM	2	IDVGHFVSL	65	7.600
QM	3	HADVEIRRL	203	7.490
QM	4	TYSELLAKL	142	7.180

ALLELE: Mamu-A*01				
Threshold for 4 % with score: 3.650				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	HADVEIRRL	203	3.490
QM	2	VVPPGMEDD	117	2.410
QM	3	LAIECLRQL	211	1.160
QM	4	ARATYSELL	139	1.110

ALLELE: HLA-A*0204				
Threshold for 4 % with score: 12.070				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	QLAAVAPAV	218	17.700
QM	2	FADFEVTTL	227	14.090
QM	3	LAAVAPAVF	219	11.780
QM	4	AADAARATY	135	11.770

ALLELE: HLA-B*2703				
Threshold for 4 % with score: 5.130				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ARATYSELL	139	7.120
QM	2	ARQAARAVL	167	5.500
QM	3	IRRLAIECL	208	4.960
QM	4	LLAKLEAKF	146	2.420

ALLELE: HLA-B*2704				
Threshold for 4 % with score: 8.790				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ARQAARAVL	167	18.120

QM	2	IRRLAIECL	208	16.360
QM	3	ARATYSELL	139	12.220
QM	4	RKQARQAAR	164	9.150

ALLELE: HLA-B*2902				
Threshold for 4 % with score: 7.750				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	PWTTDADGG	24	6.980
QM	2	TDADGGPAL	27	6.560
QM	3	LAIECLRQL	211	5.850
QM	4	AETAPLRVQ	2	3.980

ALLELE: HLA-A*3301				
Threshold for 4 % with score: 3.840				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AADAARATY	135	1.880
QM	2	AVLPNATET	173	1.790
QM	3	LAIECLRQL	211	1.460
QM	4	HILTEAADA	130	1.270

ALLELE: HLA-B*44				
Threshold for 4 % with score: 4.900				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AADAARATY	135	4.270
QM	2	ARQAARAVL	167	3.430
QM	3	AAVAPAVFA	220	2.720
QM	4	IRRLAIECL	208	2.680

ALLELE: HLA-A*6801				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	RKQARQAAR	164	0.980
ANNS+QM	2	LTEAADAAR	132	0.910
ANNS+QM	3	AVLPNATET	173	0.890



<b>ANNs+QM</b>	4	QLAAVAPAV	218	0.790
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<b>ALLELE: HLA-A*6802</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	QLIAKTDLF	10	0.990
<b>ANNs+QM</b>	2	IRRLAIECL	208	0.970
<b>ANNs+QM</b>	3	LLAKLEAKF	146	0.950
<b>ANNs+QM</b>	4	LAAVAPAVF	219	0.950