



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

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Antigen Name	Untitled
Scanned on	Mon Apr 26 00:21:38 2010
Length of input sequence	248 amino acids
Number of nonamers from input sequence	240
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
<b>ANNs+QM</b>	1	LYDRVGFAA	56	1.000
<b>ANNs+QM</b>	2	AKSVVALAY	27	0.990
<b>ANNs+QM</b>	3	RRDVTGRQL	91	0.480
<b>ANNs+QM</b>	4	QPTLGVASL	200	0.440

ALLELE: HLA-A2				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LYDRVGFAA	56	1.000
<b>ANNs+QM</b>	2	TLGVASLEV	202	0.970

<b>ANNs+QM</b>	3	ELYDRVGFA	55	0.940
<b>ANNs+QM</b>	4	ALRIAVAAL	180	0.880

<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	GIARAKSVV	23	1.000
<b>ANNs+QM</b>	2	ALRIAVAAL	180	1.000
<b>ANNs+QM</b>	3	TLGVASLEV	202	1.000
<b>ANNs+QM</b>	4	LTDALRIAV	177	0.970

<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	GIARAKSVV	23	0.990
<b>ANNs+QM</b>	2	ALRIAVAAL	180	0.990
<b>ANNs+QM</b>	3	TLGVASLEV	202	0.960
<b>ANNs+QM</b>	4	LANVYAQTL	99	0.690

<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	RAFRRITGS	220	0.420
<b>ANNs+QM</b>	2	QAKPYEVEL	114	0.390
<b>ANNs+QM</b>	3	VASLEVAVL	205	0.390
<b>ANNs+QM</b>	4	IARAKSVVA	24	0.350

<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	GIARAKSVV	23	1.000
<b>ANNs+QM</b>	2	ELYDRVGFA	55	0.800
<b>ANNs+QM</b>	3	GVASLEVAV	204	0.780
<b>ANNs+QM</b>	4	TLGVASLEV	202	0.700

<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	ALRIAVAAL	180	16.360
<b>QM</b>	2	ARAKSVVAL	25	8.730
<b>QM</b>	3	ENASLTDAL	173	6.520
<b>QM</b>	4	GIARAKSVV	23	6.330

<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	TLGVASLEV	202	0.540
<b>ANNs+QM</b>	2	IANALKESY	163	0.520
<b>ANNs+QM</b>	3	FVVMGGTTE	153	0.270
<b>ANNs+QM</b>	4	ASLTDALRI	175	0.250

<b>ALLELE: HLA-A11</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AVAALRAGS	184	0.780

<b>ANNs+QM</b>	2	ELARKGIAR	18	0.750
<b>ANNs+QM</b>	3	GVASLEVAV	204	0.610
<b>ANNs+QM</b>	4	SVVALAYAG	29	0.460

<b>ALLELE: HLA-A24</b>				
Threshold for 4 % with score: 7.670				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARAKSVVAL	25	11.460
<b>QM</b>	2	FRRITGSAL	222	10.900
<b>QM</b>	3	ALRIAVAAL	180	10.670
<b>QM</b>	4	VAENPSRSL	42	6.490

<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	RSELARKGI	16	0.710
<b>ANNs+QM</b>	2	ASLTDALRI	175	0.560
<b>ANNs+QM</b>	3	ALRIAVAAL	180	0.210
<b>ANNs+QM</b>	4	QAKPYEVEL	114	0.200

<b>ALLELE: HLA-A3</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ELARKGIAR	18	1.000
<b>ANNs+QM</b>	2	RAFRRITGS	220	0.940
<b>ANNs+QM</b>	3	AVAALRAGS	184	0.840
<b>ANNs+QM</b>	4	AKSVVALAY	27	0.770

<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	ELARKGIAR	18	0.182
<b>QM</b>	2	ALRIAVAAL	180	-3.219
<b>QM</b>	3	TLGVASLEV	202	-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	ELARKGIAR	18	1.000
<b>ANNs+QM</b>	2	RRITGSALQ	223	0.930
<b>ANNs+QM</b>	3	RAFRRITGS	220	0.690
<b>ANNs+QM</b>	4	IARAKSVVA	24	0.370

<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	AKSVVALAY	27	0.850
<b>ANNs+QM</b>	2	ALRIAVAAL	180	0.800
<b>ANNs+QM</b>	3	ADTSGGDQP	193	0.660
<b>ANNs+QM</b>	4	GIARAKSVV	23	0.600

<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	ELARKGIAR	18	3.296
<b>QM</b>	2	ESYAENASL	169	0.405

<b>QM</b>	3	ELYDRVGFA	55	-0.105
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<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	ELARKGIAR	18	3.401
<b>QM</b>	2	GVASLEVAV	204	2.485
<b>QM</b>	3	LTDALRIAV	177	0.000

<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	AKSVVALAY	27	6.215
<b>QM</b>	2	ELARKGIAR	18	4.787
<b>QM</b>	3	LKESYAENA	167	4.605
<b>QM</b>	4	ALRIAVAAL	180	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	TLGVASLEV	202	1.000
<b>ANNs+QM</b>	2	ALRIAVAAL	180	0.940
<b>ANNs+QM</b>	3	AVAALRAGS	184	0.860
<b>ANNs+QM</b>	4	LTDALRIAV	177	0.850

<b>ALLELE: HLA-B14</b>				
Threshold for 4 % with score: 4				

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ARAKSVVAL	25	1.000
<b>ANNs+QM</b>	2	QAMRERSEL	11	0.960
<b>ANNs+QM</b>	3	TDALRIAVA	178	0.950
<b>ANNs+QM</b>	4	RRDVTGRQL	91	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	ARAKSVVAL	25	4.094
<b>QM</b>	2	FRRITGSAL	222	4.094
<b>QM</b>	3	RRDVTGRQL	91	3.989
<b>QM</b>	4	RRITGSALQ	223	1.792

<b>ALLELE: HLA-B27</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	RRDVTGRQL	91	1.000
<b>ANNs+QM</b>	2	FRRITGSAL	222	1.000
<b>ANNs+QM</b>	3	RRITGSALQ	223	1.000
<b>ANNs+QM</b>	4	ARAKSVVAL	25	0.970

<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	ARAKSVVAL	25	1.000
<b>ANNs+QM</b>	2	FRRITGSAL	222	1.000
<b>ANNs+QM</b>	3	RRDVTGRQL	91	0.990

<b>ANNs+QM</b>	4	RRITGSALQ	223	0.990
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<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	QPTLGVASL	200	0.940
<b>ANNs+QM</b>	2	RRITGSALQ	223	0.730
<b>ANNs+QM</b>	3	TDALRIAVA	178	0.480
<b>ANNs+QM</b>	4	FRRITGSAL	222	0.480

<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	TGSALQALL	226	1.609
<b>QM</b>	2	TDALRIAVA	178	1.386
<b>QM</b>	3	GDQPTLGVA	198	1.386

<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	VAENPSRSL	42	1.099
<b>QM</b>	2	TSGGDQPTL	195	0.693
<b>QM</b>	3	QPTLGVASL	200	0.693
<b>QM</b>	4	ENASLTDAL	173	0.262

<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	RRDVTGRQL	91	3.807
<b>QM</b>	2	ARAKSVVAL	25	3.114
<b>QM</b>	3	VAENPSRSL	42	2.197
<b>QM</b>	4	ESYAENASL	169	1.792

<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	LANVYAQTL	99	0.875
<b>QM</b>	2	ENASLTDAL	173	0.875
<b>QM</b>	3	TGSALQALL	226	0.875
<b>QM</b>	4	QAMRERSEL	11	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	GDQPTLGVA	198	2.303
<b>QM</b>	2	TDALRIAVA	178	1.609
<b>QM</b>	3	LGVASLEVA	203	0.693

<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	IANALKESY	163	1.099
<b>QM</b>	2	GDQPTLGVA	198	0.405
<b>QM</b>	3	AKSVVALAY	27	0.300
<b>QM</b>	4	KGIARAKSV	22	0.118

<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	KGIARAKSV	22	0.920
<b>ANNs+QM</b>	2	IANALKESY	163	0.870
<b>ANNs+QM</b>	3	IARAKSVVA	24	0.850
<b>ANNs+QM</b>	4	RAFRRITGS	220	0.850

<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	VAENPSRSL	42	14.220
<b>QM</b>	2	KGIARAKSV	22	12.610
<b>QM</b>	3	LANVYAQTL	99	9.690
<b>QM</b>	4	IANALKESY	163	7.080

<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	VAENPSRSL	42	14.220
<b>QM</b>	2	KGIARAKSV	22	12.610
<b>QM</b>	3	LANVYAQTL	99	9.690
<b>QM</b>	4	IANALKESY	163	7.080

<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	GIARAKSVV	23	2.803
<b>QM</b>	2	KGIARAKSV	22	2.580
<b>QM</b>	3	MGGTTEPIA	156	2.420
<b>QM</b>	4	LGVASLEVA	203	2.388

<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	QPTLGVASL	200	1.000
<b>ANNs+QM</b>	2	GIARAKSVV	23	0.730
<b>ANNs+QM</b>	3	ASLTDALRI	175	0.260
<b>ANNs+QM</b>	4	FRRITGSAL	222	0.250

<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	QPTLGVASL	200	1.000
<b>ANNs+QM</b>	2	GIARAKSVV	23	0.820
<b>ANNs+QM</b>	3	FRRITGSAL	222	0.620
<b>ANNs+QM</b>	4	IARAKSVVA	24	0.470

<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	QPTLGVASL	200	0.980
<b>ANNs+QM</b>	2	FRRITGSAL	222	0.890
<b>ANNs+QM</b>	3	LANVYAQTL	99	0.780
<b>ANNs+QM</b>	4	VAENPSRSL	42	0.680

<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	IANALKESY	163	1.910
<b>QM</b>	2	RSELARKGI	16	1.792
<b>QM</b>	3	LTDALRIAV	177	1.194
<b>QM</b>	4	ASLTDALRI	175	0.884

<b>ALLELE: HLA-B60</b>				
Threshold for 4 % with score: 1.386				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ENASLTDAL	173	2.175
<b>QM</b>	2	TGSALQALL	226	2.175
<b>QM</b>	3	QAMRERSEL	11	2.079
<b>QM</b>	4	QAKPYEVEL	114	2.079

<b>ALLELE: HLA-B61</b>				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TDALRIAVA	178	2.303
<b>QM</b>	2	GDQPTLGVA	198	1.012
<b>QM</b>	3	KGIARAKSV	22	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	ALRIAVAAL	180	1.792

<b>QM</b>	2	TLGVASLEV	202	1.569
<b>QM</b>	3	IANALKESY	163	0.956
<b>QM</b>	4	ELYDRVGFA	55	0.788

<b>ALLELE: HLA-B7</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ALRIAVAAL	180	1.000
<b>ANNs+QM</b>	2	QPTLGVASL	200	1.000
<b>ANNs+QM</b>	3	LTDALRIAV	177	0.920
<b>ANNs+QM</b>	4	FRRITGSAL	222	0.850

<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	QPTLGVASL	200	1.000
<b>ANNs+QM</b>	2	IARAKSVVA	24	0.720
<b>ANNs+QM</b>	3	LTDALRIAV	177	0.620
<b>ANNs+QM</b>	4	KGIARAKSV	22	0.500

<b>ALLELE: HLA-B8</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ASLTDALRI	175	0.690
<b>ANNs+QM</b>	2	RRDVTGRQL	91	0.640
<b>ANNs+QM</b>	3	KGIARAKSV	22	0.630
<b>ANNs+QM</b>	4	GIARAKSVV	23	0.620

ALLELE: HLA-Cw*0301				
Threshold for 4 % with score: 2.015				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	QAMRERSEL	11	3.584
<b>QM</b>	2	ESYAENASL	169	2.996
<b>QM</b>	3	LANVYAQTL	99	1.751
<b>QM</b>	4	ASLTDALRI	175	1.609

ALLELE: HLA-Cw*0401				
Threshold for 4 % with score: 4.370				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	QPTLGVASL	200	14.640
<b>QM</b>	2	VASLEVAVL	205	5.970
<b>QM</b>	3	ALRIAVAAL	180	4.970
<b>QM</b>	4	ESYAENASL	169	3.640

ALLELE: HLA-Cw*0602				
Threshold for 4 % with score: 1.482				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ENASLTDAL	173	1.792
<b>QM</b>	2	TGSALQALL	226	1.792
<b>QM</b>	3	ARAKSVVAL	25	1.482
<b>QM</b>	4	QPTLGVASL	200	1.482

ALLELE: HLA-Cw*0702				
Threshold for 4 % with score: 1.212				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AKSVVALAY	27	2.262

<b>QM</b>	2	IANALKESY	163	2.175
<b>QM</b>	3	ARAKSVVAL	25	1.751
<b>QM</b>	4	QPTLGVASL	200	1.281

<b>ALLELE: H2-Db</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LANVYAQTL	99	1.000
<b>ANNs+QM</b>	2	RRDVTGRQL	91	0.940
<b>ANNs+QM</b>	3	QAMRERSEL	11	0.820
<b>ANNs+QM</b>	4	FVVMGGTTE	153	0.810

<b>ALLELE: H2-Dd</b>				
Threshold for 4 % with score: 11.800				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TGSALQALL	226	13.800
<b>QM</b>	2	ALRIAVAAL	180	13.690
<b>QM</b>	3	KGIARAKSV	22	11.750
<b>QM</b>	4	MGGTTEPIA	156	10.360

<b>ALLELE: H2-Kb</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	TSGGDQPTL	195	1.000
<b>ANNs+QM</b>	2	RRDVTGRQL	91	0.970
<b>ANNs+QM</b>	3	LANVYAQTL	99	0.890
<b>ANNs+QM</b>	4	FRRITGSAL	222	0.760

<b>ALLELE: H2-Kd</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LANVYAQTL	99	0.940
<b>ANNs+QM</b>	2	KGIARAKSV	22	0.910
<b>ANNs+QM</b>	3	ARAKSVVAL	25	0.910
<b>ANNs+QM</b>	4	RRDVTGRQL	91	0.910

<b>ALLELE: H2-Kk</b>				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ASLTDALRI	175	1.609
<b>QM</b>	2	RSELARKGI	16	0.916
<b>QM</b>	3	TDALRIAVA	178	0.693
<b>QM</b>	4	GDQPTLGVA	198	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	QPTLGVASL	200	1.000
<b>ANNs+QM</b>	2	ARAKSVVAL	25	0.740
<b>ANNs+QM</b>	3	ESYAENASL	169	0.310
<b>ANNs+QM</b>	4	VASLEVAVL	205	0.270

<b>ALLELE: HLA-G</b>				
Threshold for 4 % with score: 9.260				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARAKSVVAL	25	11.980



<b>QM</b>	2	GIARAKSVV	23	10.660
<b>QM</b>	3	ALRIAVAAL	180	9.510
<b>QM</b>	4	TSGGDQPTL	195	8.780

<b>ALLELE: H-2Qa</b>				
Threshold for 4 % with score: 6.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	RRDVTGRQL	91	5.800
<b>QM</b>	2	ELARKGIAR	18	5.290
<b>QM</b>	3	LANVYAQTL	99	3.990
<b>QM</b>	4	ARAKSVVAL	25	3.470

<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	VAENPSRSL	42	4.670
<b>QM</b>	2	QAKPYEVEL	114	4.330
<b>QM</b>	3	RRDVTGRQL	91	4.000
<b>QM</b>	4	QPTLGVASL	200	3.870

<b>ALLELE: HLA-B35</b>				
Threshold for 4 % with score: 8.350				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ASLTDALRI	175	9.750
<b>QM</b>	2	QPTLGVASL	200	8.570
<b>QM</b>	3	RRDVTGRQL	91	8.470
<b>QM</b>	4	FRRITGSAL	222	7.660

<b>ALLELE: Mamu-A*01</b>				
Threshold for 4 % with score: 3.650				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VAENPSRSL	42	10.490
<b>QM</b>	2	QPTLGVASL	200	3.470
<b>QM</b>	3	TGSALQALL	226	2.710
<b>QM</b>	4	TSGGDQPTL	195	2.670

<b>ALLELE: HLA-A*0204</b>				
Threshold for 4 % with score: 12.070				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ALRIAVAAL	180	17.100
<b>QM</b>	2	LANVYAQTL	99	16.890
<b>QM</b>	3	VASLEVAVL	205	16.490
<b>QM</b>	4	QAKPYEVEL	114	13.660

<b>ALLELE: HLA-B*2703</b>				
Threshold for 4 % with score: 5.130				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARAKSVVAL	25	10.990
<b>QM</b>	2	RRITGSALQ	223	7.170
<b>QM</b>	3	RRDVTGRQL	91	3.830
<b>QM</b>	4	FRRITGSAL	222	2.490

<b>ALLELE: HLA-B*2704</b>				
Threshold for 4 % with score: 8.790				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARAKSVVAL	25	12.580

<b>QM</b>	2	FRRITGSAL	222	9.570
<b>QM</b>	3	QPTLGVASL	200	8.660
<b>QM</b>	4	TGSALQALL	226	8.130

<b>ALLELE: HLA-B*2902</b>				
Threshold for 4 % with score: 7.750				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	SVVALAYAG	29	8.930
<b>QM</b>	2	GDQPTLGVA	198	6.560
<b>QM</b>	3	IANALKESY	163	5.750
<b>QM</b>	4	VASLEVAVL	205	4.980

<b>ALLELE: HLA-A*3301</b>				
Threshold for 4 % with score: 3.840				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LANVYAQTL	99	2.670
<b>QM</b>	2	LYDRVGFAA	56	1.460
<b>QM</b>	3	IANALKESY	163	1.210
<b>QM</b>	4	VAENPSRSL	42	1.030

<b>ALLELE: HLA-B44</b>				
Threshold for 4 % with score: 4.900				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	SVVALAYAG	29	2.460
<b>QM</b>	2	ALRIVAAL	180	2.350
<b>QM</b>	3	FVVMGGTTE	153	0.840
<b>QM</b>	4	LANVYAQTL	99	0.510

**ALLELE: HLA-A\*6801**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ELARKGIAR	18	0.970
<b>ANNs+QM</b>	2	FVVMGGTTE	153	0.920
<b>ANNs+QM</b>	3	RAFRRITGS	220	0.890
<b>ANNs+QM</b>	4	SVVALAYAG	29	0.850

**ALLELE: HLA-A\*6802**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	GVASLEVAV	204	1.000
<b>ANNs+QM</b>	2	RSELARKGI	16	0.990
<b>ANNs+QM</b>	3	ALRIAVAAL	180	0.990
<b>ANNs+QM</b>	4	VASLEVAVL	205	0.990