



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

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Antigen Name	Untitled
Scanned on	Fri Mar 26 23:55:55 2010
Length of input sequence	270 amino acids
Number of nonamers from input sequence	262
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	GTDLLAKTL	177	0.790
<b>ANNs+QM</b>	2	ADAGARLTL	43	0.310
<b>ANNs+QM</b>	3	SKAGTDLLA	174	0.310
<b>ANNs+QM</b>	4	ALADAGARL	41	0.290

**ALLELE: HLA-A2**

Threshold for .5 % with score: .5

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ALADAGARL	41	1.000
<b>ANNs+QM</b>	2	AALGRYGRLL	90	0.800
<b>ANNs+QM</b>	3	ADAGARLTL	43	0.450
<b>ANNs+QM</b>	4	ILITGATGS	25	0.150

**ALLELE: HLA-A\*0201**

Threshold for .5 % with score: .5

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ALADAGARL	41	1.000
<b>ANNs+QM</b>	2	FVGALIYLL	241	1.000
<b>ANNs+QM</b>	3	VVTCRPDSL	73	0.940
<b>ANNs+QM</b>	4	LVSSVRGGL	154	0.450

**ALLELE: HLA-A\*0202**

Threshold for .5 % with score: .5

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ALADAGARL	41	1.000
<b>ANNs+QM</b>	2	LITGATGSL	26	0.980
<b>ANNs+QM</b>	3	ILITGATGS	25	0.970
<b>ANNs+QM</b>	4	ADAGARLTL	43	0.630

<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	SKAGTDLLA	174	0.980
<b>ANNs+QM</b>	2	ALADAGARL	41	0.970
<b>ANNs+QM</b>	3	ADAGARLTL	43	0.640
<b>ANNs+QM</b>	4	GNSAGLAEL	54	0.480

<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	VVTCRPDSL	73	1.000
<b>ANNs+QM</b>	2	ALADAGARL	41	0.990
<b>ANNs+QM</b>	3	RLTLGGNS	48	0.460
<b>ANNs+QM</b>	4	EEMALAQQV	2	0.410

<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	ALADAGARL	41	14.840
<b>QM</b>	2	ADAGARLTL	43	11.160
<b>QM</b>	3	GHGIRVNAL	191	8.400
<b>QM</b>	4	AARALADAG	38	8.230

**ALLELE: HLA-A\*1101**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	MFTDDPKGR	212	0.910
<b>ANNs+QM</b>	2	GSLGRVAAR	32	0.680
<b>ANNs+QM</b>	3	RLTLAGGNS	48	0.660
<b>ANNs+QM</b>	4	EAALGRYGR	89	0.360

**ALLELE: HLA-A11**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	RALADAGAR	40	1.000
<b>ANNs+QM</b>	2	GSLGRVAAR	32	0.850
<b>ANNs+QM</b>	3	MFTDDPKGR	212	0.850
<b>ANNs+QM</b>	4	LVNGAGIDD	62	0.710

**ALLELE: HLA-A24**

Threshold for 4 % with score: 7.670

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AQQVPNLGL	7	10.560
<b>QM</b>	2	GHGIRVNAL	191	9.960
<b>QM</b>	3	AELVNGAGI	60	8.860
<b>QM</b>	4	ALADAGARL	41	5.310

**ALLELE: HLA-A\*2402**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	MFTDDPKGR	212	0.850
<b>ANNs+QM</b>	2	AELVNGAGI	60	0.580
<b>ANNs+QM</b>	3	AQQVPNLGL	7	0.420
<b>ANNs+QM</b>	4	LAGGNSAGL	51	0.300

**ALLELE: HLA-A3**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	RALADAGAR	40	0.970
<b>ANNs+QM</b>	2	SAYCPSKAG	169	0.970
<b>ANNs+QM</b>	3	RVAARALAD	36	0.950
<b>ANNs+QM</b>	4	GSLGRVAAR	32	0.890

**ALLELE: HLA-A\*3101**

Threshold for 4 % with score: -1.609

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	RALADAGAR	40	0.182
<b>QM</b>	2	EAALGRYGR	89	-1.204
<b>QM</b>	3	MFTDDPKGR	212	-1.204

**ALLELE: HLA-A31**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	VRGAWLVCR	129	0.980
<b>ANNs+QM</b>	2	EAALGRYGR	89	0.950
<b>ANNs+QM</b>	3	PSKAGTDLL	173	0.940
<b>ANNs+QM</b>	4	FVGALIYLL	241	0.900

**ALLELE: HLA-A\*0301**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ATGSLGRVA	30	0.950
<b>ANNs+QM</b>	2	ADAQQMVEA	82	0.950
<b>ANNs+QM</b>	3	ALADAGARL	41	0.880
<b>ANNs+QM</b>	4	AELVNGAGI	60	0.850

**ALLELE: HLA-A\*3302**

Threshold for 4 % with score: -0.105

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GSLGRVAAR	32	2.708
<b>QM</b>	2	EAALGRYGR	89	2.197
<b>QM</b>	3	MFTDDPKGR	212	1.099

<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	GSLGRVAAR	32	3.401
<b>QM</b>	2	EAALGRYGR	89	3.401
<b>QM</b>	3	RALADAGAR	40	2.303
<b>QM</b>	4	FVGALIYLL	241	2.079

<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	SKAGTDLLA	174	4.605
<b>QM</b>	2	VRGAWLVCR	129	4.382
<b>QM</b>	3	GSLGRVAAR	32	3.689
<b>QM</b>	4	RALADAGAR	40	3.689

<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	ALADAGARL	41	1.000
<b>ANNs+QM</b>	2	ILITGATGS	25	0.990
<b>ANNs+QM</b>	3	GTDLLAKTL	177	0.940
<b>ANNs+QM</b>	4	CRAAGRVLL	136	0.910

**ALLELE: HLA-B14**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AALGRYGRL	90	1.000
<b>ANNs+QM</b>	2	CRAAGRVLL	136	1.000
<b>ANNs+QM</b>	3	GHGIRVNAL	191	1.000
<b>ANNs+QM</b>	4	ARALADAGA	39	0.910

**ALLELE: HLA-B\*2702**

Threshold for 4 % with score: 0.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	CRAAGRVLL	136	4.094
<b>QM</b>	2	ARALADAGA	39	2.996
<b>QM</b>	3	ARLTLAGGN	47	2.303
<b>QM</b>	4	AQQVPLGL	7	1.792

**ALLELE: HLA-B27**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	CRAAGRVLL	136	0.890
<b>ANNs+QM</b>	2	ARLTLAGGN	47	0.630
<b>ANNs+QM</b>	3	VRGAWLVCR	129	0.560
<b>ANNs+QM</b>	4	RALADAGAR	40	0.320



**ALLELE: HLA-B\*2705**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	VRGAWLVCR	129	1.000
<b>ANNs+QM</b>	2	CRAAGRVLL	136	0.990
<b>ANNs+QM</b>	3	ARALADAGA	39	0.980
<b>ANNs+QM</b>	4	ARLTLAGGN	47	0.980

**ALLELE: HLA-B\*3501**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	EPEDFVGAL	237	1.000
<b>ANNs+QM</b>	2	CRAAGRVLL	136	0.820
<b>ANNs+QM</b>	3	FVGALIYLL	241	0.140
<b>ANNs+QM</b>	4	GTDLLAKTL	177	0.120

**ALLELE: HLA-B\*3701**

Threshold for 4 % with score: 0.405

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ADAGARLTL	43	3.689
<b>QM</b>	2	AELVNGAGI	60	2.303
<b>QM</b>	3	CRAAGRVLL	136	1.609
<b>QM</b>	4	FVGALIYLL	241	1.609

**ALLELE: HLA-B\*3801**

Threshold for 4 % with score: 0.445

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GHGIRVNAL	191	3.401
<b>QM</b>	2	EPEDFVGAL	237	2.485
<b>QM</b>	3	GTDLLAKTL	177	1.361
<b>QM</b>	4	LITGATGSL	26	0.956

**ALLELE: HLA-B\*3901**

Threshold for 4 % with score: 1.792

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GHGIRVNAL	191	4.905
<b>QM</b>	2	EPEDFVGAL	237	3.296
<b>QM</b>	3	GTDLLAKTL	177	2.197
<b>QM</b>	4	CRAAGRVLL	136	2.015

**ALLELE: HLA-B\*3902**

Threshold for 4 % with score: 0.693

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AQQVPLGL	7	2.996
<b>QM</b>	2	LVSSVRGGL	154	0.875
<b>QM</b>	3	GTDLLAKTL	177	0.875
<b>QM</b>	4	EPEDFVGAL	237	0.875

**ALLELE: HLA-B40**

Threshold for 4 % with score: 0.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AEPEDFVGA	236	3.689
<b>QM</b>	2	AELVNGAGI	60	2.773
<b>QM</b>	3	ADAGARLTL	43	2.303
<b>QM</b>	4	ADAQQMVEA	82	2.303

**ALLELE: HLA-B\*4403**

Threshold for 4 % with score: 0.405

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AELVNGAGI	60	2.773
<b>QM</b>	2	EEMALAAQQV	2	2.485
<b>QM</b>	3	AEPEDFVGA	236	2.079
<b>QM</b>	4	ADAGARLTL	43	1.504

**ALLELE: HLA-B\*5101**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	YGRLDGVLV	95	1.000
<b>ANNs+QM</b>	2	YCPSKAGTD	171	0.910
<b>ANNs+QM</b>	3	GTDLLAKTL	177	0.820
<b>ANNs+QM</b>	4	RALADAGAR	40	0.790

<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	YGRLDGVLV	95	13.490
<b>QM</b>	2	QGQGGSVVL	146	6.060
<b>QM</b>	3	LGRVAARAL	34	5.920
<b>QM</b>	4	SAYCPSKAG	169	5.330

<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	YGRLDGVLV	95	13.490
<b>QM</b>	2	QGQGGSVVL	146	6.060
<b>QM</b>	3	LGRVAARAL	34	5.920
<b>QM</b>	4	SAYCPSKAG	169	5.330

<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	QGQGGSVVL	146	2.803
<b>QM</b>	2	EEMALAQQV	2	0.971
<b>QM</b>	3	AQQVNLGL	7	0.971
<b>QM</b>	4	AELVNGAGI	60	0.875

**ALLELE: HLA-B\*5301**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	EPEDFVGAL	237	1.000
<b>ANNs+QM</b>	2	YCPSKAGTD	171	0.500
<b>ANNs+QM</b>	3	VCRAAGRVL	135	0.430
<b>ANNs+QM</b>	4	ALADAGARL	41	0.360

**ALLELE: HLA-B\*5401**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	EPEDFVGAL	237	1.000
<b>ANNs+QM</b>	2	VCRAAGRVL	135	0.630
<b>ANNs+QM</b>	3	YCPSKAGTD	171	0.580
<b>ANNs+QM</b>	4	ATGSLGRVA	30	0.560

**ALLELE: HLA-B\*51**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	EPEDFVGAL	237	0.880
<b>ANNs+QM</b>	2	YCPSKAGTD	171	0.850
<b>ANNs+QM</b>	3	VCRAAGRVL	135	0.500
<b>ANNs+QM</b>	4	VVTCRPDSL	73	0.490

<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	GTDLLAKTL	177	1.289
<b>QM</b>	2	ATGSLGRVA	30	1.099
<b>QM</b>	3	LTLAGGNSA	49	0.788
<b>QM</b>	4	AALGRYGRL	90	0.095

<b>ALLELE: HLA-B60</b>				
Threshold for 4 % with score: 1.386				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ADAGARLTL	43	4.382
<b>QM</b>	2	EEMALAQQV	2	2.963
<b>QM</b>	3	AELVNGAGI	60	2.773
<b>QM</b>	4	AALGRYGRL	90	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	EEMALAQQV	2	4.382
<b>QM</b>	2	AEPEDFVGA	236	2.996
<b>QM</b>	3	AELVNGAGI	60	2.773
<b>QM</b>	4	ADAQQMVEA	82	1.609

**ALLELE: HLA-B62**

Threshold for 4 % with score: 0.693

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AQQVPNLGL	7	1.569
<b>QM</b>	2	ALADAGARL	41	0.788
<b>QM</b>	3	ILITGATGS	25	0.222

**ALLELE: HLA-B7**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	EPEDFVGAL	237	1.000
<b>ANNs+QM</b>	2	FVGALIYLL	241	1.000
<b>ANNs+QM</b>	3	VCRAAGRVL	135	0.990
<b>ANNs+QM</b>	4	AQQVPNLGL	7	0.880

**ALLELE: HLA-B\*0702**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	VCRAAGRVL	135	0.860
<b>ANNs+QM</b>	2	CRAAGRVL	136	0.850
<b>ANNs+QM</b>	3	EPEDFVGAL	237	0.750
<b>ANNs+QM</b>	4	TEMAVEDFD	114	0.470

**ALLELE: HLA-B8**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	VCRAAGRVL	135	0.740
<b>ANNs+QM</b>	2	SKAGTDLLA	174	0.690
<b>ANNs+QM</b>	3	EAALGRYGR	89	0.660
<b>ANNs+QM</b>	4	ILITGATGS	25	0.650

**ALLELE: HLA-Cw\*0301**

Threshold for 4 % with score: 2.015

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AALGRYGRL	90	5.298
<b>QM</b>	2	AELVNGAGI	60	1.792
<b>QM</b>	3	LAGGNSAGL	51	1.569
<b>QM</b>	4	AQQVPLGL	7	0.693

**ALLELE: HLA-Cw\*0401**

Threshold for 4 % with score: 4.370

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ALADAGARL	41	12.700
<b>QM</b>	2	EPEDFVGAL	237	11.160
<b>QM</b>	3	VCRAAGRVL	135	8.430
<b>QM</b>	4	VVTCRPDSL	73	5.230



**ALLELE: HLA-Cw\*0602**

Threshold for 4 % with score: 1.482

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	EPEDFVGAL	237	2.580
<b>QM</b>	2	FVGALIYLL	241	2.580
<b>QM</b>	3	GTDLLAKTL	177	1.887
<b>QM</b>	4	GHGIRVNAL	191	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	EPEDFVGAL	237	2.493
<b>QM</b>	2	FVGALIYLL	241	1.569
<b>QM</b>	3	ADAGARLTL	43	0.875
<b>QM</b>	4	CRAAGRVLL	136	0.875

**ALLELE: H2-Db**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LAGGNSAGL	51	1.000
<b>ANNs+QM</b>	2	AELVNGAGI	60	1.000
<b>ANNs+QM</b>	3	CRAAGRVLL	136	0.940
<b>ANNs+QM</b>	4	GHGIRVNAL	191	0.770

**ALLELE: H2-Dd**

Threshold for 4 % with score: 11.800

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LGRVAARAL	34	19.460
<b>QM</b>	2	GHGIRVNAL	191	14.410
<b>QM</b>	3	GGNSAGLAE	53	11.980
<b>QM</b>	4	ALADAGARL	41	11.510

**ALLELE: H2-Kb**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AALGRYGRLL	90	0.990
<b>ANNs+QM</b>	2	LGRVAARAL	34	0.980
<b>ANNs+QM</b>	3	ALADAGARL	41	0.900
<b>ANNs+QM</b>	4	VCRAAGRVL	135	0.890

**ALLELE: H2-Kd**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AQQVPLGL	7	0.930
<b>ANNs+QM</b>	2	ILITGATGS	25	0.900
<b>ANNs+QM</b>	3	LAGGNSAGL	51	0.900
<b>ANNs+QM</b>	4	AELVNGAGI	60	0.900

**ALLELE: H2-Kk**

Threshold for 4 % with score: 1.609

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AELVNGAGI	60	6.215
<b>QM</b>	2	EEMALAQQV	2	5.298
<b>QM</b>	3	AEPEDFVGA	236	2.303
<b>QM</b>	4	ADAGARLTL	43	1.386

**ALLELE: H2-Ld**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	CRAAGRVLL	136	0.960
<b>ANNs+QM</b>	2	VCRAAGRVL	135	0.640
<b>ANNs+QM</b>	3	YCPSKAGTD	171	0.620
<b>ANNs+QM</b>	4	AQQVPNLGL	7	0.530

**ALLELE: HLA-G**

Threshold for 4 % with score: 9.260

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ALADAGARL	41	15.510
<b>QM</b>	2	FVGALIYLL	241	12.780
<b>QM</b>	3	ADAGARLTL	43	11.110
<b>QM</b>	4	CRAAGRVLL	136	10.640

**ALLELE: H-2Qa**

Threshold for 4 % with score: 6.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AELVNGAGI	60	8.910
<b>QM</b>	2	AQQVPNLGL	7	5.800
<b>QM</b>	3	LVSSVRGGL	154	4.880
<b>QM</b>	4	LGRVAARAL	34	3.800

**ALLELE: HLA-B\*2706**

Threshold for 4 % with score: 5.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARALADAGA	39	4.600
<b>QM</b>	2	MFTDDPKGR	212	4.420
<b>QM</b>	3	FVGALIYLL	241	4.000
<b>QM</b>	4	EPEDFVGAL	237	3.670

**ALLELE: HLA-B35**

Threshold for 4 % with score: 8.350

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	EPEDFVGAL	237	12.600
<b>QM</b>	2	AALGRYGRL	90	8.640
<b>QM</b>	3	VVTCRPDSL	73	7.720
<b>QM</b>	4	AQQVPNLGL	7	6.710

<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	SAYCPSKAG	169	5.350
<b>QM</b>	2	EPEDFVGAL	237	5.250
<b>QM</b>	3	FVGALIYLL	241	2.120
<b>QM</b>	4	AVMDANVRG	123	1.910

<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	ALADAGARL	41	17.320
<b>QM</b>	2	GNSAGLAEL	54	15.870
<b>QM</b>	3	ADAGARLTL	43	14.340
<b>QM</b>	4	CRAAGRVLL	136	13.870

<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	ARALADAGA	39	7.130
<b>QM</b>	2	CRAAGRVLL	136	6.730
<b>QM</b>	3	VRGAWLVCR	129	6.170
<b>QM</b>	4	ALADAGARL	41	1.850

**ALLELE: HLA-B\*2704**

Threshold for 4 % with score: 8.790

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VRGAWLVCR	129	16.800
<b>QM</b>	2	CRAAGRVL	136	14.430
<b>QM</b>	3	GNSAGLAEL	54	14.020
<b>QM</b>	4	VVTCRPDSL	73	12.670

**ALLELE: HLA-B\*2902**

Threshold for 4 % with score: 7.750

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LVSSVRGGL	154	10.650
<b>QM</b>	2	EPEDFVGAL	237	9.700
<b>QM</b>	3	AEPEDFVGA	236	8.200
<b>QM</b>	4	EAALGRYGR	89	5.750

**ALLELE: HLA-A\*3301**

Threshold for 4 % with score: 3.840

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LAGGNSAGL	51	2.910
<b>QM</b>	2	GSLGRVAAR	32	2.450
<b>QM</b>	3	FVGALIYLL	241	2.360
<b>QM</b>	4	SAYCPSKAG	169	1.530

**ALLELE: HLA-B44**

Threshold for 4 % with score: 4.900

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AELVNGAGI	60	8.090
<b>QM</b>	2	EEMALAQQV	2	7.030
<b>QM</b>	3	GGNSAGLAE	53	6.560
<b>QM</b>	4	ADAGARLTL	43	4.760

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

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	GSLGRVAAR	32	0.980
<b>ANNs+QM</b>	2	RALADAGAR	40	0.970
<b>ANNs+QM</b>	3	SAYCPSKAG	169	0.970
<b>ANNs+QM</b>	4	RVAARALAD	36	0.950

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

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ILITGATGS	25	0.980
<b>ANNs+QM</b>	2	ARALADAGA	39	0.980
<b>ANNs+QM</b>	3	EAALGRYGR	89	0.960
<b>ANNs+QM</b>	4	YGRLDGVLV	95	0.950