



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

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Antigen Name	Untitled
Scanned on	Wed Mar 24 00:02:56 2010
Length of input sequence	410 amino acids
Number of nonamers from input sequence	402
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	ARDVLDDVD	119	0.710
<b>ANNs+QM</b>	2	AGQVARAAL	390	0.710
<b>ANNs+QM</b>	3	AVSGAAADL	247	0.550
<b>ANNs+QM</b>	4	GSSPSADSV	28	0.420

ALLELE: HLA-A2				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	GYVALPAYL	136	1.000
<b>ANNs+QM</b>	2	GLLTDPARL	366	1.000

<b>ANNs+QM</b>	3	ALVALDPRV	58	0.930
<b>ANNs+QM</b>	4	GLPAIYVPL	319	0.910

<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	ALVALDPRV	58	1.000
<b>ANNs+QM</b>	2	SLNRAVSGA	243	1.000
<b>ANNs+QM</b>	3	GMVVADAAL	347	1.000
<b>ANNs+QM</b>	4	GLLTDPARL	366	1.000

<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	ALVALDPRV	58	1.000
<b>ANNs+QM</b>	2	ELAYAAADL	294	0.980
<b>ANNs+QM</b>	3	GLLTDPARL	366	0.980
<b>ANNs+QM</b>	4	AVSGAAADL	247	0.940

<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	SLNRAVSGA	243	0.950
<b>ANNs+QM</b>	2	AVSGAAADL	247	0.930
<b>ANNs+QM</b>	3	QVAGLLTDP	363	0.930
<b>ANNs+QM</b>	4	YVALPAYLA	137	0.920

<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	ALVALDPRV	58	0.990
<b>ANNs+QM</b>	2	VNAGGGMVV	342	0.990
<b>ANNs+QM</b>	3	GSSPSADSV	28	0.970
<b>ANNs+QM</b>	4	QVARAALAV	392	0.960

<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	AVADALVAL	54	13.040
<b>QM</b>	2	GLPAIYVPL	319	11.200
<b>QM</b>	3	AVREARDVL	115	11.060
<b>QM</b>	4	GLLTDPARL	366	10.510

<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	VVIHEANAR	161	1.000
<b>ANNs+QM</b>	2	AVPDSGLRR	187	1.000
<b>ANNs+QM</b>	3	AALDRAVLR	208	1.000
<b>ANNs+QM</b>	4	SQGAVSLNR	238	0.720

<b>ALLELE: HLA-A11</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AALDRAVLR	208	1.000

<b>ANNs+QM</b>	2	RDAAGQVAR	387	1.000
<b>ANNs+QM</b>	3	AVPDSGLRR	187	0.980
<b>ANNs+QM</b>	4	MTAAAARVG	377	0.960

<b>ALLELE: HLA-A24</b>				
Threshold for 4 % with score: 7.670				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GMVVADAAL	347	10.290
<b>QM</b>	2	GFPDDARVL	224	9.130
<b>QM</b>	3	PAYLAARGL	141	8.690
<b>QM</b>	4	AVADALVAL	54	8.460

<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	GYVALPAYL	136	0.990
<b>ANNs+QM</b>	2	VARQVAGLL	360	0.450
<b>ANNs+QM</b>	3	GAHTADRVL	177	0.400
<b>ANNs+QM</b>	4	GLLTDPARL	366	0.340

<b>ALLELE: HLA-A3</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	VVIHEANAR	161	1.000
<b>ANNs+QM</b>	2	QVARAALAV	392	0.990
<b>ANNs+QM</b>	3	TAAAARVGH	378	0.980
<b>ANNs+QM</b>	4	RDAAGQVAR	387	0.940

<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	VVIHEANAR	161	1.386
<b>QM</b>	2	AVPDSGLRR	187	1.386
<b>QM</b>	3	SQGAVSLNR	238	1.386
<b>QM</b>	4	RASIAALDR	204	0.182

<b>ALLELE: HLA-A31</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	VVIHEANAR	161	0.970
<b>ANNs+QM</b>	2	SQGAVSLNR	238	0.960
<b>ANNs+QM</b>	3	AVPDSGLRR	187	0.950
<b>ANNs+QM</b>	4	RASIAALDR	204	0.950

<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	ADLAAAGVC	253	0.960
<b>ANNs+QM</b>	2	AALDRAVLR	208	0.930
<b>ANNs+QM</b>	3	AVSGAAADL	247	0.900
<b>ANNs+QM</b>	4	AVADALVAL	54	0.880

<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	VVIHEANAR	161	2.708

<b>QM</b>	2	AVPDSGLRR	187	2.708
<b>QM</b>	3	AALDRAVLR	208	1.099
<b>QM</b>	4	SQGAVSLNR	238	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	VVIHEANAR	161	5.991
<b>QM</b>	2	AVPDSGLRR	187	5.298
<b>QM</b>	3	EVVGVPVRA	197	3.178
<b>QM</b>	4	AALDRAVLR	208	2.303

<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	SQGAVSLNR	238	4.382
<b>QM</b>	2	VVIHEANAR	161	3.689
<b>QM</b>	3	AVPDSGLRR	187	3.689
<b>QM</b>	4	RASIAALDR	204	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	ALVALDPRV	58	1.000
<b>ANNs+QM</b>	2	GLPAIYVPL	319	1.000
<b>ANNs+QM</b>	3	GLLTDPARL	366	1.000
<b>ANNs+QM</b>	4	GAHTADRVL	177	0.980

<b>ALLELE: HLA-B14</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	DPRVRITAL	63	1.000
<b>ANNs+QM</b>	2	VRITALGTL	66	1.000
<b>ANNs+QM</b>	3	SRVWRAVRE	110	1.000
<b>ANNs+QM</b>	4	ARLAAMTAA	372	1.000

<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	VRITALGTL	66	4.094
<b>QM</b>	2	NRAVSGAAA	245	2.996
<b>QM</b>	3	ARLAAMTAA	372	2.996
<b>QM</b>	4	HRDAAGQVA	386	2.996

<b>ALLELE: HLA-B27</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	VRITALGTL	66	1.000
<b>ANNs+QM</b>	2	RRIPVVIHE	157	1.000
<b>ANNs+QM</b>	3	DRMELAYAA	291	0.780
<b>ANNs+QM</b>	4	ARAALAVAT	394	0.730

<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	VRITALGTL	66	1.000

<b>ANNs+QM</b>	2	ARAALAVAT	394	0.980
<b>ANNs+QM</b>	3	SRVWRAVRE	110	0.920
<b>ANNs+QM</b>	4	DRMELAYAA	291	0.910

<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	DPRVRITAL	63	1.000
<b>ANNs+QM</b>	2	VPYLDRMEL	287	1.000
<b>ANNs+QM</b>	3	SPSADSVSV	30	0.990
<b>ANNs+QM</b>	4	SPSCGSSPS	24	0.980

<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	ADAALTPEL	351	3.689
<b>QM</b>	2	ADSVSVVLA	33	2.996
<b>QM</b>	3	HEANARAGL	164	2.303
<b>QM</b>	4	VARQVAGLL	360	2.015

<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	GHVEPAMAV	47	2.485
<b>QM</b>	2	GHRDAAGQV	385	1.543
<b>QM</b>	3	GFPDDARVL	224	1.386
<b>QM</b>	4	SADSVSVVL	32	1.361



ALLELE: HLA-B*3901				
Threshold for 4 % with score: 1.792				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GHVEPAMAV	47	4.787
<b>QM</b>	2	VRITALGTL	66	3.807
<b>QM</b>	3	GHRDAAGQV	385	2.890
<b>QM</b>	4	SADSVSVVL	32	2.197

ALLELE: HLA-B*3902				
Threshold for 4 % with score: 0.693				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	SADSVSVVL	32	0.875
<b>QM</b>	2	GYVALPAYL	136	0.875
<b>QM</b>	3	GLPAIYVPL	319	0.875
<b>QM</b>	4	AVADALVAL	54	0.693

ALLELE: HLA-B*40				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	HEANARAGL	164	3.689
<b>QM</b>	2	ADAALPEL	351	2.303
<b>QM</b>	3	ADSVSVVLA	33	1.609
<b>QM</b>	4	AEVVGVPVR	196	1.163

ALLELE: HLA-B*4403				
Threshold for 4 % with score: 0.405				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	HEANARAGL	164	2.485

<b>QM</b>	2	AEVVGVPVR	196	1.569
<b>QM</b>	3	ADLAAAGVC	253	1.504
<b>QM</b>	4	ADSVSVVLA	33	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	DAALTPELV	352	1.000
<b>ANNs+QM</b>	2	TPELVARQV	356	1.000
<b>ANNs+QM</b>	3	DPRVRITAL	63	0.950
<b>ANNs+QM</b>	4	MPRKPGGDL	97	0.940

<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	SPSADSVSV	30	17.430
<b>QM</b>	2	TPELVARQV	356	17.380
<b>QM</b>	3	VGVPVRASI	199	15.210
<b>QM</b>	4	GAVSLNRAV	240	14.770

<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	SPSADSVSV	30	17.430
<b>QM</b>	2	TPELVARQV	356	17.380
<b>QM</b>	3	VGVPVRASI	199	15.210
<b>QM</b>	4	GAVSLNRAV	240	14.770

<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	VNAGGGMVV	342	3.114
<b>QM</b>	2	VGVPVRASI	199	2.890
<b>QM</b>	3	TPELVARQV	356	2.485
<b>QM</b>	4	VGFGGYVAL	132	2.420

<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	SPSADSVSV	30	1.000
<b>ANNs+QM</b>	2	DPRVRITAL	63	1.000
<b>ANNs+QM</b>	3	MPRKPGGDL	97	1.000
<b>ANNs+QM</b>	4	VPVRASIAA	201	1.000

<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	SPSCGSSPS	24	1.000
<b>ANNs+QM</b>	2	SPSADSVSV	30	1.000
<b>ANNs+QM</b>	3	VPVRASIAA	201	1.000
<b>ANNs+QM</b>	4	DPARLAAMT	370	0.990

<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	MPRKPGGDL	97	0.990

<b>ANNs+QM</b>	2	VPYLDRMEL	287	0.990
<b>ANNs+QM</b>	3	DPRVRITAL	63	0.980
<b>ANNs+QM</b>	4	SPSCGSSPS	24	0.970

<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	GSSPSADSV	28	1.386
<b>QM</b>	2	VALPAYLAA	138	0.788
<b>QM</b>	3	VSGAAADLA	248	0.693
<b>QM</b>	4	SADSVSVVL	32	0.501

<b>ALLELE: HLA-B60</b>				
Threshold for 4 % with score: 1.386				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	HEANARAGL	164	5.768
<b>QM</b>	2	ADAALTPEL	351	3.784
<b>QM</b>	3	GGSQGAVSL	236	2.773
<b>QM</b>	4	SADSVSVVL	32	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	HEANARAGL	164	2.773
<b>QM</b>	2	ADSVSVVLA	33	0.916
<b>QM</b>	3	GAVSLNRAV	240	0.788
<b>QM</b>	4	VNAGGGMVV	342	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	GLPAIYVPL	319	1.569
<b>QM</b>	2	LLTDPARLA	367	0.788
<b>QM</b>	3	ALVALDPRV	58	0.693
<b>QM</b>	4	SLNRAVSGA	243	0.693

<b>ALLELE: HLA-B7</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AVADALVAL	54	1.000
<b>ANNs+QM</b>	2	DPRVRITAL	63	1.000
<b>ANNs+QM</b>	3	MPRKPGGDL	97	1.000
<b>ANNs+QM</b>	4	GYVALPAYL	136	1.000

<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	SPSCGSSPS	24	1.000
<b>ANNs+QM</b>	2	SPSADSVSV	30	1.000
<b>ANNs+QM</b>	3	DPRVRITAL	63	1.000
<b>ANNs+QM</b>	4	MPRKPGGDL	97	1.000

<b>ALLELE: HLA-B8</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	DAALTPELV	352	0.760

<b>ANNs+QM</b>	2	RASIAALDR	204	0.720
<b>ANNs+QM</b>	3	AALTPELVA	353	0.710
<b>ANNs+QM</b>	4	ARDVLLDDVD	119	0.680

<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	VALPAYLAA	138	3.912
<b>QM</b>	2	VRITALGTL	66	3.871
<b>QM</b>	3	VGFGGYVAL	132	3.401
<b>QM</b>	4	GYVALPAYL	136	2.996

<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	ELAYAAADL	294	7.760
<b>QM</b>	2	MPRKPGGDL	97	7.310
<b>QM</b>	3	GFPDDARVL	224	7.100
<b>QM</b>	4	AVADALVAL	54	5.430

<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	GYVALPAYL	136	1.792
<b>QM</b>	2	GLPAIYVPL	319	1.792
<b>QM</b>	3	ADAALTPEL	351	1.792
<b>QM</b>	4	DPRVRITAL	63	1.482

<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	ADAALTPEL	351	1.751
<b>QM</b>	2	GLPAIYVPL	319	1.569
<b>QM</b>	3	AVADALVAL	54	1.394
<b>QM</b>	4	GYVALPAYL	136	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	TAGHVEPAM	45	1.000
<b>ANNs+QM</b>	2	RAHFGFPDD	220	0.990
<b>ANNs+QM</b>	3	GAHTADRVL	177	0.970
<b>ANNs+QM</b>	4	PIGNGEQRL	328	0.960

<b>ALLELE: H2-Dd</b>				
Threshold for 4 % with score: 11.800				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AGQVARAAL	390	24.380
<b>QM</b>	2	VGVPVRASI	199	24.360
<b>QM</b>	3	GGSQGAVSL	236	18.130
<b>QM</b>	4	GLPAIYVPL	319	17.950

<b>ALLELE: H2-Kb</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	DPRVRITAL	63	0.990

<b>ANNs+QM</b>	2	VRITALGTL	66	0.970
<b>ANNs+QM</b>	3	VARQVAGLL	360	0.970
<b>ANNs+QM</b>	4	AVSGAAADL	247	0.950

<b>ALLELE: H2-Kd</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	GYVALPAYL	136	1.000
<b>ANNs+QM</b>	2	VRITALGTL	66	0.990
<b>ANNs+QM</b>	3	DPRVRITAL	63	0.960
<b>ANNs+QM</b>	4	AGQVARAAL	390	0.920

<b>ALLELE: H2-Kk</b>				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	HEANARAGL	164	2.996
<b>QM</b>	2	VGVPVRASI	199	2.708
<b>QM</b>	3	ADAALPEL	351	2.079
<b>QM</b>	4	VEPAMAVAD	49	1.099

<b>ALLELE: H2-Ld</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	DPRVRITAL	63	1.000
<b>ANNs+QM</b>	2	MPRKPGGDL	97	1.000
<b>ANNs+QM</b>	3	VPYLDRMEL	287	0.790
<b>ANNs+QM</b>	4	RAHFGFPDD	220	0.660



**ALLELE: HLA-G**

Threshold for 4 % with score: 9.260

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GLPAIYVPL	319	20.110
<b>QM</b>	2	ELAYAAADL	294	19.510
<b>QM</b>	3	GFPDDARVL	224	17.510
<b>QM</b>	4	GLLTDPARL	366	17.510

**ALLELE: H-2Qa**

Threshold for 4 % with score: 6.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GMVVADAAL	347	8.470
<b>QM</b>	2	RRIPVVIHE	157	7.350
<b>QM</b>	3	ELAYAAADL	294	6.760
<b>QM</b>	4	AAARVGHDR	380	5.750

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

Threshold for 4 % with score: 5.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	PIGNGEQRL	328	6.340
<b>QM</b>	2	VPYLDRMEL	287	5.000
<b>QM</b>	3	SPSADSVSV	30	4.670
<b>QM</b>	4	HRDAAGQVA	386	4.670

**ALLELE: HLA-B35**

Threshold for 4 % with score: 8.350

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DPRVRITAL	63	14.820

<b>QM</b>	2	MPRKPGGDL	97	13.680
<b>QM</b>	3	VPYLDRMEL	287	12.770
<b>QM</b>	4	TPELVARQV	356	10.590

<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	SPSADSVSV	30	3.480
<b>QM</b>	2	AVPDSGLRR	187	3.440
<b>QM</b>	3	GAVSLNRAV	240	2.340
<b>QM</b>	4	DPRVRITAL	63	1.820

<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	ELAYAAADL	294	18.990
<b>QM</b>	2	GLPAIYVPL	319	18.300
<b>QM</b>	3	GLLTDPARL	366	16.550
<b>QM</b>	4	RLNALPVVN	335	15.430

<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	RRIPVVIHE	157	9.400
<b>QM</b>	2	VRITALGTL	66	7.110
<b>QM</b>	3	SRVWRAVRE	110	6.930
<b>QM</b>	4	HRDAAGQVA	386	5.780

<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	VPYLDRMEL	287	15.480
<b>QM</b>	2	GYVALPAYL	136	14.810
<b>QM</b>	3	VRITALGTL	66	14.310
<b>QM</b>	4	AGQVARAAL	390	13.600

<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	HEANARAGL	164	11.930
<b>QM</b>	2	AEVVGVPVR	196	10.650
<b>QM</b>	3	PAYLAARGL	141	9.030
<b>QM</b>	4	GAHTADRVL	177	8.610

<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	LANRVGAHT	172	5.040
<b>QM</b>	2	SQGAVSLNR	238	4.050
<b>QM</b>	3	AVPDSGLRR	187	3.110
<b>QM</b>	4	AALDRAVLR	208	3.040

<b>ALLELE: HLA-B44</b>				
Threshold for 4 % with score: 4.900				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AEVVGVPVR	196	9.590

<b>QM</b>	2	HEANARAGL	164	7.770
<b>QM</b>	3	GYVALPAYL	136	5.530
<b>QM</b>	4	SVVLAGGGT	37	5.470

<b>ALLELE: HLA-A*6801</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	VVIHEANAR	161	1.000
<b>ANNs+QM</b>	2	AVPDSGLRR	187	1.000
<b>ANNs+QM</b>	3	RDAAGQVAR	387	0.980
<b>ANNs+QM</b>	4	AALDRAVLR	208	0.960

<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	EVVGVPVRA	197	1.000
<b>ANNs+QM</b>	2	DAALTPELV	352	1.000
<b>ANNs+QM</b>	3	HEANARAGL	164	0.990
<b>ANNs+QM</b>	4	TAAAARVGH	378	0.990