



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

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Antigen Name	Untitled
Scanned on	Sat Feb 6 17:11:52 2010
Length of input sequence	525 amino acids
Number of nonamers from input sequence	517
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	YADGAPKLD	71	0.920
<b>ANNs+QM</b>	2	KLDPALLDL	77	0.810
<b>ANNs+QM</b>	3	ARQPVALVL	55	0.780
<b>ANNs+QM</b>	4	APDGFDVVA	148	0.600

ALLELE: HLA-A2				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	KLDPALLDL	77	1.000
<b>ANNs+QM</b>	2	LLDLGVPVL	82	0.990

<b>ANNs+QM</b>	3	RTYGHPIVL	464	0.990
<b>ANNs+QM</b>	4	LPDDLKFTL	363	0.710

<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	VYADGAPKL	70	1.000
<b>ANNs+QM</b>	2	LLDLGVPVL	82	1.000
<b>ANNs+QM</b>	3	KLDPALLDL	77	0.990
<b>ANNs+QM</b>	4	RTYGHPIVL	464	0.990

<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	KLDPALLDL	77	1.000
<b>ANNs+QM</b>	2	RTYGHPIVL	464	0.980
<b>ANNs+QM</b>	3	ARQPVALVL	55	0.970
<b>ANNs+QM</b>	4	FVAATGANL	275	0.970

<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	RQPFPGPGL	399	1.000
<b>ANNs+QM</b>	2	KLDPALLDL	77	0.990
<b>ANNs+QM</b>	3	PFPGLGI	401	0.900
<b>ANNs+QM</b>	4	FVAATGANL	275	0.860

<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	KLDPALLDL	77	0.990
<b>ANNs+QM</b>	2	VYADGAPKL	70	0.920
<b>ANNs+QM</b>	3	AAPDGFDDV	147	0.900
<b>ANNs+QM</b>	4	KSHHNVGGL	355	0.490

<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	LPDDLKFTL	363	11.550
<b>QM</b>	2	GAPKLDPAL	74	11.310
<b>QM</b>	3	NVGGLPDDL	359	10.150
<b>QM</b>	4	RQPFPGPGL	399	9.930

<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	SVYADGAPK	69	1.000
<b>ANNs+QM</b>	2	AVAAALVQR	239	1.000
<b>ANNs+QM</b>	3	RLLFKDEVK	376	0.910
<b>ANNs+QM</b>	4	CVFVDHGLL	255	0.860

<b>ALLELE: HLA-A11</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	SVYADGAPK	69	1.000

<b>ANNs+QM</b>	2	AVAAALVQR	239	1.000
<b>ANNs+QM</b>	3	RLLFKDEV	376	1.000
<b>ANNs+QM</b>	4	PVVLLADV	447	0.730

<b>ALLELE: HLA-A24</b>				
Threshold for 4 % with score: 7.670				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	ARQPVALVL	55	12.010
<b>QM</b>	2	APKLDPALL	75	11.290
<b>QM</b>	3	RTYGHPIVL	464	11.040
<b>QM</b>	4	GFQAMAQAL	95	10.620

<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	AFEAFDRRL	165	1.000
<b>ANNs+QM</b>	2	PFPGPGLGI	401	1.000
<b>ANNs+QM</b>	3	VYADGAPKL	70	0.970
<b>ANNs+QM</b>	4	IWQCPVLL	443	0.970

<b>ALLELE: HLA-A3</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	SVYADGAPK	69	1.000
<b>ANNs+QM</b>	2	AVAAALVQR	239	1.000
<b>ANNs+QM</b>	3	LVVDFGAQY	18	0.960
<b>ANNs+QM</b>	4	MSHGDAVTA	139	0.960

ALLELE: HLA-A*3101				
Threshold for 4 % with score: -1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	RLLFKDEV	376	2.485
<b>QM</b>	2	AVAAALVQR	239	1.386
<b>QM</b>	3	SVYADGAPK	69	-0.511

ALLELE: HLA-A31				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	SVYADGAPK	69	1.000
<b>ANNs+QM</b>	2	AVAAALVQR	239	1.000
<b>ANNs+QM</b>	3	LRHADSIVR	423	1.000
<b>ANNs+QM</b>	4	PVAAFEAFD	162	0.990

ALLELE: HLA-A*0301				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	SVYADGAPK	69	0.970
<b>ANNs+QM</b>	2	AQVQRDFVA	269	0.740
<b>ANNs+QM</b>	3	FVAATGANL	275	0.590
<b>ANNs+QM</b>	4	KSHHNVGGL	355	0.560

ALLELE: HLA-A*3302				
Threshold for 4 % with score: -0.105				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AVAAALVQR	239	2.708
<b>QM</b>	2	RLLFKDEV	376	0.993

<b>QM</b>	3	EIRARQPVA	52	0.405
<b>QM</b>	4	DVVASSAGA	153	0.405

<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	AVAAALVQR	239	5.991
<b>QM</b>	2	SVYADGAPK	69	4.787
<b>QM</b>	3	PVLLADVR	447	3.689
<b>QM</b>	4	DVVASSAGA	153	3.178

<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	LKFTLVEPL	367	6.215
<b>QM</b>	2	RLLFKDEVK	376	4.787
<b>QM</b>	3	LKVLGGKLH	120	4.605
<b>QM</b>	4	LRHADSIVR	423	4.382

<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	KLDPALLDL	77	1.000
<b>ANNs+QM</b>	2	YADGAPKLD	71	0.970
<b>ANNs+QM</b>	3	GAPKLDPAL	74	0.970
<b>ANNs+QM</b>	4	QLIARRVRE	28	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	ARQPVALVL	55	1.000
<b>ANNs+QM</b>	2	TREYGRTEL	112	1.000
<b>ANNs+QM</b>	3	AAPDGFDDV	147	0.980
<b>ANNs+QM</b>	4	APKLDPAL	75	0.940

<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	ARQPVALVL	55	4.094
<b>QM</b>	2	TREYGRTEL	112	4.094
<b>QM</b>	3	RQPFPGPGL	399	2.890
<b>QM</b>	4	VQRAIGDRL	245	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	TREYGRTEL	112	1.000
<b>ANNs+QM</b>	2	LRHADSIVR	423	1.000
<b>ANNs+QM</b>	3	RTYGHPIVL	464	0.580
<b>ANNs+QM</b>	4	RAFEGAVRD	315	0.520

<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	ARQPVALVL	55	1.000

<b>ANNs+QM</b>	2	LRHADSIVR	423	1.000
<b>ANNs+QM</b>	3	TREYGRTEL	112	0.960
<b>ANNs+QM</b>	4	RTYGHPIVL	464	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	LPDDLKFTL	363	1.000
<b>ANNs+QM</b>	2	APDGFDVVA	148	0.980
<b>ANNs+QM</b>	3	APKLDPALL	75	0.960
<b>ANNs+QM</b>	4	LRHADSIVR	423	0.670

<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	VDSAVAAAL	236	4.094
<b>QM</b>	2	ADSIVREEL	426	4.094
<b>QM</b>	3	GDGHAICGL	224	3.689
<b>QM</b>	4	FEGAVRDVL	317	2.708

<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	LPDDLKFTL	363	2.747
<b>QM</b>	2	SHGDAVTAA	140	2.054
<b>QM</b>	3	AFEAFDRRL	165	1.792
<b>QM</b>	4	VYADGAPKL	70	1.569



ALLELE: HLA-B*3901				
Threshold for 4 % with score: 1.792				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TREYGRTEL	112	3.114
<b>QM</b>	2	ARQPVALVL	55	2.708
<b>QM</b>	3	KLDPALLDL	77	2.603
<b>QM</b>	4	LLDLGVPVL	82	2.603

ALLELE: HLA-B*3902				
Threshold for 4 % with score: 0.693				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GQQVLSRFL	188	3.178
<b>QM</b>	2	LKFTLVEPL	367	3.178
<b>QM</b>	3	RQPFPGPGL	399	2.996
<b>QM</b>	4	VQRAIGDRL	245	1.974

ALLELE: HLA-B*440				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LEALSGVSA	293	3.689
<b>QM</b>	2	FEGAVRDVL	317	2.996
<b>QM</b>	3	RDFVAATGA	273	2.303
<b>QM</b>	4	RDVLDGKTA	322	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	LEALSGVSA	293	2.079

<b>QM</b>	2	LSGGPASVY	63	1.910
<b>QM</b>	3	FEGAVRDVL	317	1.792
<b>QM</b>	4	ADSIVREEL	426	0.811

<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	GAPKLDPAL	74	0.970
<b>ANNs+QM</b>	2	LPDDLKFTL	363	0.970
<b>ANNs+QM</b>	3	APKLDPALL	75	0.830
<b>ANNs+QM</b>	4	YGRTELKVL	115	0.820

<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	VGEVTAKRL	412	11.660
<b>QM</b>	2	VAEVNRVVL	504	9.610
<b>QM</b>	3	AAPDGFDDV	147	9.130
<b>QM</b>	4	GGVDSAVAA	234	8.100

<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	VGEVTAKRL	412	11.660
<b>QM</b>	2	VAEVNRVVL	504	9.610
<b>QM</b>	3	AAPDGFDDV	147	9.130
<b>QM</b>	4	GGVDSAVAA	234	8.100

<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	AAPDGFDDVV	147	3.401
<b>QM</b>	2	GQQVLSRFL	188	2.763
<b>QM</b>	3	APDGFDDVVA	148	2.708
<b>QM</b>	4	LLDLGVPVL	82	2.380

<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	APKLDPALL	75	1.000
<b>ANNs+QM</b>	2	LPDDLKFTL	363	1.000
<b>ANNs+QM</b>	3	APDGFDDVVA	148	0.950
<b>ANNs+QM</b>	4	ARQPVALVL	55	0.490

<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	LPDDLKFTL	363	1.000
<b>ANNs+QM</b>	2	APDGFDDVVA	148	0.990
<b>ANNs+QM</b>	3	APKLDPALL	75	0.960
<b>ANNs+QM</b>	4	FIRAFEGAV	313	0.860

<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	LPDDLKFTL	363	1.000

<b>ANNs+QM</b>	2	APDGFDVVA	148	0.970
<b>ANNs+QM</b>	3	APKLDPALL	75	0.940
<b>ANNs+QM</b>	4	AAPDGFDVV	147	0.790

<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	KSHHNVGGL	355	1.974
<b>QM</b>	2	LSGGPASVY	63	1.792
<b>QM</b>	3	RTYGHPIVL	464	1.792
<b>QM</b>	4	RAVGRELGL	384	1.194

<b>ALLELE: HLA-B60</b>				
Threshold for 4 % with score: 1.386				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	FEGAVRDVL	317	5.170
<b>QM</b>	2	VDSAVAAAL	236	3.784
<b>QM</b>	3	ADSIVREEL	426	3.784
<b>QM</b>	4	GDGHAICGL	224	2.996

<b>ALLELE: HLA-B61</b>				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LEALSGVSA	293	3.689
<b>QM</b>	2	RDFVAATGA	273	2.110
<b>QM</b>	3	FEGAVRDVL	317	2.079
<b>QM</b>	4	RDVLDGKTA	322	1.705

**ALLELE: HLA-B62**

Threshold for 4 % with score: 0.693

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VQRAIGDRL	245	3.178
<b>QM</b>	2	ELKVLGGKL	119	2.485
<b>QM</b>	3	GQQVLSRFL	188	2.079
<b>QM</b>	4	LVVDFGAQY	18	1.482

**ALLELE: HLA-B7**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	APKLDPALL	75	1.000
<b>ANNs+QM</b>	2	FVAATGANL	275	1.000
<b>ANNs+QM</b>	3	RTYGHPIVL	464	1.000
<b>ANNs+QM</b>	4	APDGFDVVA	148	0.990

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

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	APKLDPALL	75	1.000
<b>ANNs+QM</b>	2	LPDDLKFTL	363	1.000
<b>ANNs+QM</b>	3	APDGFDVVA	148	0.970
<b>ANNs+QM</b>	4	FIRAFEGAV	313	0.890

**ALLELE: HLA-B8**

Threshold for 4 % with score: 4

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	TVDAAETFL	285	0.710

<b>ANNs+QM</b>	2	YADGAPKLD	71	0.700
<b>ANNs+QM</b>	3	KLDPALLDL	77	0.700
<b>ANNs+QM</b>	4	AAPDGFDDV	147	0.640

<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	ARQPVALVL	55	2.996
<b>QM</b>	2	RAVGRELGL	384	2.996
<b>QM</b>	3	RTYGHPIVL	464	2.996
<b>QM</b>	4	CVFVDHGLL	255	1.792

<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	AFEAFDRRL	165	8.640
<b>QM</b>	2	LPDDLKFTL	363	8.630
<b>QM</b>	3	VYADGAPKL	70	7.370
<b>QM</b>	4	APKLDPALL	75	6.090

<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	AAETFLEAL	288	2.580
<b>QM</b>	2	LKFTLVEPL	367	2.485
<b>QM</b>	3	GQQVLSRFL	188	1.982
<b>QM</b>	4	GAPKLDPAL	74	1.887

<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	LVVDFGAQY	18	2.416
<b>QM</b>	2	LSGGPASVY	63	2.079
<b>QM</b>	3	VYADGAPKL	70	1.800
<b>QM</b>	4	LPDDLKFTL	363	1.617

<b>ALLELE: H2-Db</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	KSHHNVGGL	355	1.000
<b>ANNs+QM</b>	2	VAEVNRVVL	504	1.000
<b>ANNs+QM</b>	3	GAPKLDAPAL	74	0.990
<b>ANNs+QM</b>	4	AAPDGFVV	147	0.910

<b>ALLELE: H2-Dd</b>				
Threshold for 4 % with score: 11.800				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VGEVTAKRL	412	16.130
<b>QM</b>	2	GGVDSAVAA	234	15.550
<b>QM</b>	3	GAPKLDAPAL	74	15.420
<b>QM</b>	4	PETPARPVL	10	13.580

<b>ALLELE: H2-Kb</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AAETFLEAL	288	1.000

<b>ANNs+QM</b>	2	GAPKLDAPAL	74	0.990
<b>ANNs+QM</b>	3	YADGAPKLD	71	0.980
<b>ANNs+QM</b>	4	APDGFVVA	148	0.980

<b>ALLELE: H2-Kd</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	GFQAMAQAL	95	1.000
<b>ANNs+QM</b>	2	KSHHNVGGL	355	1.000
<b>ANNs+QM</b>	3	PFPGPGLGI	401	1.000
<b>ANNs+QM</b>	4	VYADGAPKL	70	0.990

<b>ALLELE: H2-Kk</b>				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	FEGAVRDVL	317	4.094
<b>QM</b>	2	VDSAVAAAL	236	2.485
<b>QM</b>	3	LEALSGVSA	293	2.303
<b>QM</b>	4	ADSIVREEL	426	2.079

<b>ALLELE: H2-Ld</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	APKLDAPALL	75	1.000
<b>ANNs+QM</b>	2	GFQAMAQAL	95	1.000
<b>ANNs+QM</b>	3	KSHHNVGGL	355	1.000
<b>ANNs+QM</b>	4	LPDDLKFTL	363	0.940



**ALLELE: HLA-G**

Threshold for 4 % with score: 9.260

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	KLDPALLDL	77	15.850
<b>QM</b>	2	GAPKLDPAL	74	11.510
<b>QM</b>	3	ARQPVALVL	55	10.450
<b>QM</b>	4	ELKVLGGKL	119	10.180

**ALLELE: H-2Qa**

Threshold for 4 % with score: 6.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	RQPFPGPGL	399	7.140
<b>QM</b>	2	KLDPALLDL	77	6.960
<b>QM</b>	3	KSHHNVGGL	355	6.140
<b>QM</b>	4	VQRAIGDRL	245	5.800

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

Threshold for 4 % with score: 5.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	RQPFPGPGL	399	11.330
<b>QM</b>	2	ICGLSGGVD	229	8.670
<b>QM</b>	3	RDVLDGKTA	322	7.000
<b>QM</b>	4	AFEAFDRRL	165	5.940

**ALLELE: HLA-B35**

Threshold for 4 % with score: 8.350

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LPDDLKFTL	363	14.490

<b>QM</b>	2	AAETFLEAL	288	9.650
<b>QM</b>	3	RAVGRELGL	384	8.670
<b>QM</b>	4	FVAATGANL	275	8.540

<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	IWQCPVLL	443	8.110
<b>QM</b>	2	AFEAFDRRL	165	5.950
<b>QM</b>	3	CVFVDHGLL	255	5.410
<b>QM</b>	4	AAETFLEAL	288	5.280

<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	KLDPALLDL	77	19.730
<b>QM</b>	2	LLDLGVPVL	82	19.470
<b>QM</b>	3	VDSAVAAAL	236	19.130
<b>QM</b>	4	YADGAPKLD	71	14.160

<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	TREYGRTEL	112	11.500
<b>QM</b>	2	LRHADSIVR	423	9.550
<b>QM</b>	3	RTYGHPIVL	464	6.130
<b>QM</b>	4	QRDFVAATG	272	6.060

<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	GQQVLSRFL	188	12.930
<b>QM</b>	2	GDGHAICGL	224	12.800
<b>QM</b>	3	LRHADSIVR	423	12.330
<b>QM</b>	4	APKLDPALL	75	12.000

<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	PETPARPVL	10	16.600
<b>QM</b>	2	FEGAVRDVL	317	14.730
<b>QM</b>	3	SHGDAVTAA	140	11.600
<b>QM</b>	4	GDGHAICGL	224	7.890

<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	AVAAALVQR	239	3.780
<b>QM</b>	2	CVFVDHGLL	255	2.920
<b>QM</b>	3	LVVDFGAQY	18	2.750
<b>QM</b>	4	LSGGPASVY	63	2.210

<b>ALLELE: HLA-B44</b>				
Threshold for 4 % with score: 4.900				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GDGHAICGL	224	5.340

<b>QM</b>	2	LEALSGVSA	293	5.110
<b>QM</b>	3	FEGAVRDVL	317	4.500
<b>QM</b>	4	ELKVLGGKL	119	4.000

<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	SVYADGAPK	69	1.000
<b>ANNs+QM</b>	2	AVAAALVQR	239	1.000
<b>ANNs+QM</b>	3	YADGAPKLD	71	0.890
<b>ANNs+QM</b>	4	FVAATGANL	275	0.870

<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	TVDAAETFL	285	0.990
<b>ANNs+QM</b>	2	QLIARRVRE	28	0.980
<b>ANNs+QM</b>	3	YADGAPKLD	71	0.980
<b>ANNs+QM</b>	4	PVAAFEAFD	162	0.980