



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

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Antigen Name	Untitled
Scanned on	Wed Apr 14 00:45:05 2010
Length of input sequence	486 amino acids
Number of nonamers from input sequence	478
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	MAEYTAACA	199	1.000
<b>ANNs+QM</b>	2	VLDALAAAA	281	1.000
<b>ANNs+QM</b>	3	HAEVAAMAS	362	1.000
<b>ANNs+QM</b>	4	AGETVGAAV	429	1.000

ALLELE: HLA-A2				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AQVRVGFRL	233	1.000
<b>ANNs+QM</b>	2	SLHAEVAAM	360	1.000

<b>ANNs+QM</b>	3	VLDEPAELL	155	0.980
<b>ANNs+QM</b>	4	FQLHWAPSL	170	0.970

<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	PLGPGAPVL	4	1.000
<b>ANNs+QM</b>	2	VLDEPAELL	155	1.000
<b>ANNs+QM</b>	3	FQLHWAPSL	170	1.000
<b>ANNs+QM</b>	4	VLDALAAAA	281	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	PVPGPVGVL	274	4.660
<b>ANNs+QM</b>	2	PLGPGAPVL	4	1.000
<b>ANNs+QM</b>	3	PLLAAAAAA	81	0.960
<b>ANNs+QM</b>	4	LAAAAAAGV	83	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	LPGGAPVLV	5	0.990
<b>ANNs+QM</b>	2	AFSDDLTL	260	0.970
<b>ANNs+QM</b>	3	VLDPLGPGA	1	0.950
<b>ANNs+QM</b>	4	AQPGDTVLL	449	0.930

<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	NIGSAVLDV	147	1.000
<b>ANNs+QM</b>	2	RVLTGGVAV	208	1.000
<b>ANNs+QM</b>	3	IPVPGPVG	273	0.970
<b>ANNs+QM</b>	4	EPAARELGV	243	0.900

<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	PLGPGAPVL	4	11.490
<b>QM</b>	2	ATPLLAAAA	79	10.740
<b>QM</b>	3	AVLIGRDRA	375	10.340
<b>QM</b>	4	AQVRVGFRL	233	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	ALAAAALAR	284	1.000
<b>ANNs+QM</b>	2	AMLIAGGRR	133	0.810
<b>ANNs+QM</b>	3	GLLKGASLH	354	0.770
<b>ANNs+QM</b>	4	KTTTTSMMLH	124	0.740

<b>ALLELE: HLA-A11</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AMLIAGGRR	133	1.000

<b>ANNs+QM</b>	2	ALAAAALAR	284	1.000
<b>ANNs+QM</b>	3	MTAAVAAR	438	1.000
<b>ANNs+QM</b>	4	AEYTAAKAR	200	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	VQQITGYAL	61	13.760
<b>QM</b>	2	FQLHWAPSL	170	9.610
<b>QM</b>	3	RVVWIAGGL	347	9.470
<b>QM</b>	4	DVLDEPAEL	154	9.290

<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	GFSPATPLL	75	1.000
<b>ANNs+QM</b>	2	AFSDDLTL	260	1.000
<b>ANNs+QM</b>	3	GYADRGEAF	469	0.990
<b>ANNs+QM</b>	4	LRPHAERGL	44	0.470

<b>ALLELE: HLA-A3</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ALAAAALAR	284	1.000
<b>ANNs+QM</b>	2	TSFRVGRHR	306	1.000
<b>ANNs+QM</b>	3	AEYTAAKAR	200	0.990
<b>ANNs+QM</b>	4	MTAAVAAR	438	0.990

<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	AMLIAGGRR	133	1.386
<b>QM</b>	2	ALAAAALAR	284	1.386
<b>QM</b>	3	MTAAVAAAR	438	0.000

<b>ALLELE: HLA-A31</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	TSFRVGRHR	306	0.990
<b>ANNs+QM</b>	2	AMLIAGGRR	133	0.970
<b>ANNs+QM</b>	3	MTAAVAAAR	438	0.900
<b>ANNs+QM</b>	4	GAVLIGRDR	374	0.890

<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	AMLIAGGRR	133	0.980
<b>ANNs+QM</b>	2	AVMTAAVAA	436	0.940
<b>ANNs+QM</b>	3	GLLKGASLH	354	0.920
<b>ANNs+QM</b>	4	AGLDDSRRAA	217	0.900

<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	AMLIAGGRR	133	2.708
<b>QM</b>	2	TSFRVGRHR	306	2.708

<b>QM</b>	3	ALAAAALAR	284	2.197
<b>QM</b>	4	APVLVAGGR	9	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	MTAAVAAAR	438	4.605
<b>QM</b>	2	TSFRVGRHR	306	3.807
<b>QM</b>	3	DVLDEPAEL	154	3.178
<b>QM</b>	4	EVAAMASRL	364	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	AMLIAGGRR	133	5.298
<b>QM</b>	2	ALAAAALAR	284	4.787
<b>QM</b>	3	DKAGETVGA	427	4.605
<b>QM</b>	4	APVLVAGGR	9	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	PLGPGAPVL	4	1.000
<b>ANNs+QM</b>	2	VLDEPAELL	155	1.000
<b>ANNs+QM</b>	3	GFSPATPLL	75	0.990
<b>ANNs+QM</b>	4	VLDALAAAA	281	0.990

<b>ALLELE: HLA-B14</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LRPEAGAVL	178	1.000
<b>ANNs+QM</b>	2	LDDSRAAAL	219	1.000
<b>ANNs+QM</b>	3	DRAAVAEAL	381	1.000
<b>ANNs+QM</b>	4	PAELLAVEL	159	0.960

<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	LRPEAGAVL	178	4.094
<b>QM</b>	2	GRVTGQAVA	16	2.996
<b>QM</b>	3	SRHAPDVPV	390	2.996
<b>QM</b>	4	LRPHAERGL	44	2.890

<b>ALLELE: HLA-B27</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	GRDRAAVAE	379	0.900
<b>ANNs+QM</b>	2	LRPHAERGL	44	0.800
<b>ANNs+QM</b>	3	LRPEAGAVL	178	0.790
<b>ANNs+QM</b>	4	DRAAVAEAL	381	0.790

<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	LRPHAERGL	44	1.000

<b>ANNs+QM</b>	2	GRDRAAVAE	379	0.980
<b>ANNs+QM</b>	3	LRPEAGAVL	178	0.940
<b>ANNs+QM</b>	4	GRVTGQAVA	16	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	VPIWGDVEL	91	1.000
<b>ANNs+QM</b>	2	GPVGVLDAL	277	1.000
<b>ANNs+QM</b>	3	APVLVAGGR	9	0.970
<b>ANNs+QM</b>	4	MPATVEVPV	409	0.970

<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	LDDSRAAAL	219	3.689
<b>QM</b>	2	VDRAFSDDL	257	3.689
<b>QM</b>	3	LDALAAAAL	282	3.689
<b>QM</b>	4	VEVPVACVL	413	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	LHAEVAAMA	361	2.054
<b>QM</b>	2	VLDEPAELL	155	1.792
<b>QM</b>	3	GPVGVLDAL	277	1.649
<b>QM</b>	4	WHATMAEYT	195	1.543



ALLELE: HLA-B*3901				
Threshold for 4 % with score: 1.792				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LRPEAGAVL	178	3.401
<b>QM</b>	2	VLDEPAELL	155	2.890
<b>QM</b>	3	DRAAVAEAL	381	2.708
<b>QM</b>	4	RHRAEVVAV	312	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	FQLHWAPSL	170	3.178
<b>QM</b>	2	AQVRVGFRL	233	3.178
<b>QM</b>	3	VQQITGYAL	61	2.996
<b>QM</b>	4	AQPGDTVLL	449	2.996

ALLELE: HLA-B*440				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VEVPVACVL	413	5.075
<b>QM</b>	2	GETVGAAVM	430	3.178
<b>QM</b>	3	DDLTLTPVA	263	1.609
<b>QM</b>	4	LDALAAAAL	282	1.609

ALLELE: HLA-B*4403				
Threshold for 4 % with score: 0.405				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VEVPVACVL	413	3.584

<b>QM</b>	2	DAVQQITGY	59	3.296
<b>QM</b>	3	GETVGAAVM	430	1.792
<b>QM</b>	4	DDLTLTPVA	263	1.504

<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	EPAARELGV	243	1.000
<b>ANNs+QM</b>	2	VGRHRAEVV	310	1.000
<b>ANNs+QM</b>	3	LAYPRVWVI	343	1.000
<b>ANNs+QM</b>	4	MPATVEVPV	409	1.000

<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	IPVPGPVG	273	15.340
<b>QM</b>	2	LGPGAPVLV	5	14.440
<b>QM</b>	3	MPATVEVPV	409	14.080
<b>QM</b>	4	AALARSVG	288	13.520

<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	IPVPGPVG	273	15.340
<b>QM</b>	2	LGPGAPVLV	5	14.440
<b>QM</b>	3	MPATVEVPV	409	14.080
<b>QM</b>	4	AALARSVG	288	13.520

<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	IGSAVLDVDL	148	3.679
<b>QM</b>	2	VGRHRAEVV	310	3.209
<b>QM</b>	3	TGQAVAAVL	19	3.178
<b>QM</b>	4	LGPGAPVLV	5	3.114

<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	SPATPLLAA	77	1.000
<b>ANNs+QM</b>	2	VPIWGDVEL	91	1.000
<b>ANNs+QM</b>	3	IPVPGPVG	273	1.000
<b>ANNs+QM</b>	4	GPVGVDAL	277	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	SPATPLLAA	77	1.000
<b>ANNs+QM</b>	2	TPLLAAAAA	80	1.000
<b>ANNs+QM</b>	3	IPVPGPVG	273	1.000
<b>ANNs+QM</b>	4	MPATVEVPV	409	1.000

<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	VPIWGDVEL	91	1.000

<b>ANNs+QM</b>	2	IWGDVELAW	93	1.000
<b>ANNs+QM</b>	3	LAYPRVWVI	343	1.000
<b>ANNs+QM</b>	4	EPAARELGV	243	0.980

<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	ATVEVPVAC	411	1.792
<b>QM</b>	2	ITGYALVVA	64	1.281
<b>QM</b>	3	ASPGFSPAT	72	1.099
<b>QM</b>	4	ATPLLAAA	79	1.099

<b>ALLELE: HLA-B60</b>				
Threshold for 4 % with score: 1.386				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VEVPVACVL	413	5.864
<b>QM</b>	2	LDALAAAAL	282	3.689
<b>QM</b>	3	LDDSRAAAL	219	2.996
<b>QM</b>	4	VDRAFSDDL	257	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	GETVGAAVM	430	2.868
<b>QM</b>	2	VEVPVACVL	413	2.773
<b>QM</b>	3	DDLTLTPVA	263	1.609
<b>QM</b>	4	LAAAAAAGV	83	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	AQVRVGFRL	233	2.079
<b>QM</b>	2	AQPGDTVLL	449	1.751
<b>QM</b>	3	VLVAGGRVT	11	1.482
<b>QM</b>	4	VQQITGYAL	61	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	GPVGVLDAI	277	1.000
<b>ANNs+QM</b>	2	YTAAKARVL	202	0.990
<b>ANNs+QM</b>	3	VPIWGDVEL	91	0.940
<b>ANNs+QM</b>	4	ASRLVGAVL	369	0.930

<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	SPATPLLAA	77	1.000
<b>ANNs+QM</b>	2	VPIWGDVEL	91	1.000
<b>ANNs+QM</b>	3	GPVGVLDAI	277	1.000
<b>ANNs+QM</b>	4	MPATVEVPV	409	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	EPAARELGV	243	0.750

<b>ANNs+QM</b>	2	FSPATPLLA	76	0.730
<b>ANNs+QM</b>	3	YTAAKARVL	202	0.730
<b>ANNs+QM</b>	4	VLDEPAELL	155	0.690

<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	VEVPVACVL	413	4.605
<b>QM</b>	2	LAYPRVWI	343	3.912
<b>QM</b>	3	AQVRVGFRL	233	3.401
<b>QM</b>	4	DVLDEPAEL	154	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	VPIWGDVEL	91	8.760
<b>QM</b>	2	SLHAEVAAM	360	7.970
<b>QM</b>	3	AFSDDLTL	260	7.700
<b>QM</b>	4	GFSPATPLL	75	6.640

<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	VDRAFSDDL	257	1.792
<b>QM</b>	2	RVVWIAGGL	347	1.792
<b>QM</b>	3	EVAAMASRL	364	1.792
<b>QM</b>	4	YTAAKARVL	202	1.577

ALLELE: HLA-Cw*0702				
Threshold for 4 % with score: 1.212				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DAVQQITGY	59	2.175
<b>QM</b>	2	GPVGVLDAL	277	2.156
<b>QM</b>	3	DRAAVAEAL	381	1.751
<b>QM</b>	4	SPATPLLAA	77	1.058

ALLELE: H2-Db				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	PLGPGAPVL	4	1.000
<b>ANNs+QM</b>	2	CGNIGSAVL	145	1.000
<b>ANNs+QM</b>	3	MAQPGDTVL	448	0.970
<b>ANNs+QM</b>	4	RVLTGGVAV	208	0.830

ALLELE: H2-Dd				
Threshold for 4 % with score: 11.800				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TGGVAVAGL	211	19.270
<b>QM</b>	2	TGQAVAAVL	19	17.660
<b>QM</b>	3	GGLLKGASL	353	15.690
<b>QM</b>	4	LRPEAGAVL	178	14.460

ALLELE: H2-Kb				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ASPGFSPAT	72	1.000

<b>ANNs+QM</b>	2	YTAAKARVL	202	0.980
<b>ANNs+QM</b>	3	AFSDDLTL	260	0.980
<b>ANNs+QM</b>	4	LRPHAERGL	44	0.970

<b>ALLELE: H2-Kd</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LRPHAERGL	44	1.000
<b>ANNs+QM</b>	2	GFSPATPLL	75	1.000
<b>ANNs+QM</b>	3	YTAAKARVL	202	0.980
<b>ANNs+QM</b>	4	TGGVAVAGL	211	0.970

<b>ALLELE: H2-Kk</b>				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VEVPVACVL	413	4.094
<b>QM</b>	2	GETVGAAVM	430	2.996
<b>QM</b>	3	DDLTLTPVA	263	2.079
<b>QM</b>	4	VDRAFSDDL	257	1.792

<b>ALLELE: H2-Ld</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	APSLRPEAG	175	1.000
<b>ANNs+QM</b>	2	ASRLVGAVL	369	1.000
<b>ANNs+QM</b>	3	MAQPGDTVL	448	1.000
<b>ANNs+QM</b>	4	YTAAKARVL	202	0.990



**ALLELE: HLA-G**

Threshold for 4 % with score: 9.260

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	LRPEAGAVL	178	14.840
<b>QM</b>	2	PVPGPVGVL	274	14.840
<b>QM</b>	3	EVAAMASRL	364	14.780
<b>QM</b>	4	AQPGDTVLL	449	14.710

**ALLELE: H-2Qa**

Threshold for 4 % with score: 6.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DRAAVAEAL	381	11.720
<b>QM</b>	2	AQVRVGFRL	233	11.220
<b>QM</b>	3	FQLHWAPSL	170	8.050
<b>QM</b>	4	VEVPVACVL	413	7.550

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

Threshold for 4 % with score: 5.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	SRHAPDVPV	390	11.000
<b>QM</b>	2	IAGGLLKGA	351	9.490
<b>QM</b>	3	LRPHAERGL	44	6.330
<b>QM</b>	4	IPVPGPVG	273	6.330

**ALLELE: HLA-B35**

Threshold for 4 % with score: 8.350

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GPVGVLDAL	277	15.830

<b>QM</b>	2	FQLHWAPSL	170	12.700
<b>QM</b>	3	AQVRVGFRL	233	11.220
<b>QM</b>	4	GLLKGLASL	353	9.640

<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	ASPGFSPAT	72	6.860
<b>QM</b>	2	SVGVPAGAI	293	4.320
<b>QM</b>	3	VLDEPAELL	155	3.830
<b>QM</b>	4	AGLDDSRRAA	217	3.120

<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	VLDEPAELL	155	22.490
<b>QM</b>	2	PLLAAAAAA	81	17.400
<b>QM</b>	3	LDALAAAAL	282	16.890
<b>QM</b>	4	VLDALAAAA	281	16.600

<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	LRPHAERGL	44	10.830
<b>QM</b>	2	LRPEAGAVL	178	7.500
<b>QM</b>	3	VPIWGDVEL	91	5.940
<b>QM</b>	4	ARSVGVPAG	291	5.340

<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	VDRAFSDDL	257	15.350
<b>QM</b>	2	SRHAPDVPV	390	12.250
<b>QM</b>	3	DRAAVAEAL	381	11.560
<b>QM</b>	4	LRPHAERGL	44	11.430

<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	VEVPVACVL	413	13.930
<b>QM</b>	2	GPVGVLDAL	277	10.560
<b>QM</b>	3	AEYTAAKAR	200	9.930
<b>QM</b>	4	MAQPGDTVL	448	9.750

<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	TSFRVGRHR	306	5.970
<b>QM</b>	2	HWAPSLRPE	173	5.940
<b>QM</b>	3	DSKATNPHA	329	4.610
<b>QM</b>	4	MTAAVAAAR	438	4.370

<b>ALLELE: HLA-B44</b>				
Threshold for 4 % with score: 4.900				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AEYTAAKAR	200	9.890

<b>QM</b>	2	GETVGAAVM	430	6.040
<b>QM</b>	3	GYADRGAEF	469	5.860
<b>QM</b>	4	LDALAAAAL	282	5.590

<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	MTAAVAAAR	438	1.000
<b>ANNs+QM</b>	2	ALAAAALAR	284	0.980
<b>ANNs+QM</b>	3	AMLIAGGRR	133	0.950
<b>ANNs+QM</b>	4	AEYTAAKAR	200	0.950

<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	LAAAAAAGV	83	0.990
<b>ANNs+QM</b>	2	YTAAKARVL	202	0.980
<b>ANNs+QM</b>	3	EPAARELGV	243	0.980
<b>ANNs+QM</b>	4	IPVPGPVG	273	0.980