



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

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Antigen Name	Untitled
Scanned on	Tue Feb 16 16:40:10 2010
Length of input sequence	969 amino acids
Number of nonamers from input sequence	961
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	AVEPLVQML	863	1.000
<b>ANNs+QM</b>	2	DTDEETLKA	929	0.870
<b>ANNs+QM</b>	3	YADRLDDL	283	0.540
<b>ANNs+QM</b>	4	ALFSARAAS	316	0.430

ALLELE: HLA-A2				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	YLNQMSVPA	486	0.990
<b>ANNs+QM</b>	2	VLHALGFDA	110	0.860

<b>ANNs+QM</b>	3	MLAPLAPHI	870	0.820
<b>ANNs+QM</b>	4	RITAYADRL	279	0.420

<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	GRARIEFKL	509	3.440
<b>ANNs+QM</b>	2	YLNQMSVPA	486	1.000
<b>ANNs+QM</b>	3	MLAPLAPHI	870	1.000
<b>ANNs+QM</b>	4	ATPRKVIVV	952	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	ALFSARAAS	316	0.980
<b>ANNs+QM</b>	2	MLAPLAPHI	870	0.980
<b>ANNs+QM</b>	3	LAPPDGAAV	58	0.940
<b>ANNs+QM</b>	4	PIFIADYVL	424	0.930

<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	YLNQMSVPA	486	0.990
<b>ANNs+QM</b>	2	MLAPLAPHI	870	0.990
<b>ANNs+QM</b>	3	KVRGRVVVA	919	0.990
<b>ANNs+QM</b>	4	WCPGLGTVL	242	0.980

<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	ATPRKVIVV	952	1.000
<b>ANNs+QM</b>	2	KVRGRVVVA	919	0.800
<b>ANNs+QM</b>	3	MLAPLAPHI	870	0.730
<b>ANNs+QM</b>	4	LAPPDGAAV	58	0.610

<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	AVEPLVQML	863	11.420
<b>QM</b>	2	ADSESPPL	570	11.020
<b>QM</b>	3	AKRAIVDRL	495	10.930
<b>QM</b>	4	WDFARAFGL	451	10.100

<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	SVPAAKRAI	491	0.690
<b>ANNs+QM</b>	2	TTANKARPI	187	0.660
<b>ANNs+QM</b>	3	TVLANEEVT	248	0.660
<b>ANNs+QM</b>	4	TAGPGGVPR	6	0.650

<b>ALLELE: HLA-A11</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	GMSVPAAKR	489	1.000

<b>ANNs+QM</b>	2	TTANKARPI	187	0.970
<b>ANNs+QM</b>	3	TAGPGGVPR	6	0.960
<b>ANNs+QM</b>	4	TVLANEEVT	248	0.950

<b>ALLELE: HLA-A24</b>				
Threshold for 4 % with score: 7.670				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	EFGKIGKSL	736	11.130
<b>QM</b>	2	NVPNPVGS�	50	10.890
<b>QM</b>	3	PIFIADYVL	424	10.480
<b>QM</b>	4	TWQENWARL	38	9.700

<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	EFGKIGKSL	736	1.000
<b>ANNs+QM</b>	2	VYDSDGRPH	535	0.820
<b>ANNs+QM</b>	3	YSRFWHKVL	668	0.810
<b>ANNs+QM</b>	4	TWQENWARL	38	0.750

<b>ALLELE: HLA-A3</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	KKHRDAVPR	853	1.000
<b>ANNs+QM</b>	2	TWQENWARL	38	0.980
<b>ANNs+QM</b>	3	ALFSARAAS	316	0.980
<b>ANNs+QM</b>	4	KTGVFLGSY	405	0.970

ALLELE: HLA-A*3101				
Threshold for 4 % with score: -1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GMSVPAAKR	489	0.693
<b>QM</b>	2	TAGPGGVPR	6	-1.609
<b>QM</b>	3	WAKLTAGER	215	-1.609

ALLELE: HLA-A31				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	TAGPGGVPR	6	0.990
<b>ANNs+QM</b>	2	GEAIAAYRR	381	0.990
<b>ANNs+QM</b>	3	LAKATEWVH	578	0.930
<b>ANNs+QM</b>	4	FARAFGLPI	453	0.870

ALLELE: HLA-A*0301				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	ALFSARAAS	316	0.970
<b>ANNs+QM</b>	2	KKHRDAVPR	853	0.950
<b>ANNs+QM</b>	3	APPDGAAVP	59	0.930
<b>ANNs+QM</b>	4	TTANKARPI	187	0.890

ALLELE: HLA-A*3302				
Threshold for 4 % with score: -0.105				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GMSVPAAKR	489	2.708
<b>QM</b>	2	TAGPGGVPR	6	1.099

<b>QM</b>	3	WAKLTAGER	215	1.099
<b>QM</b>	4	DVPDYSPLV	556	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	TAGPGGVPR	6	2.708
<b>QM</b>	2	TVLANEEVT	248	2.485
<b>QM</b>	3	LVLAPEHDL	348	2.485
<b>QM</b>	4	DVPDYSPLV	556	2.485

<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	KKHRDAVPR	853	8.294
<b>QM</b>	2	AKRAIVDRL	495	6.215
<b>QM</b>	3	GMSVPAAKR	489	5.298
<b>QM</b>	4	TAGPGGVPR	6	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	YLNMGMSVPA	486	0.980
<b>ANNs+QM</b>	2	ITAYADRLL	280	0.970
<b>ANNs+QM</b>	3	ALFSARAAS	316	0.960
<b>ANNs+QM</b>	4	VLHALGFDA	110	0.870

<b>ALLELE: HLA-B14</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	PRYRYTAEI	23	1.000
<b>ANNs+QM</b>	2	GRSTGAVAL	309	1.000
<b>ANNs+QM</b>	3	GRARIEFKL	509	1.000
<b>ANNs+QM</b>	4	LRLGNTTSL	884	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	GRSTGAVAL	309	4.094
<b>QM</b>	2	SREKTGVFL	402	4.094
<b>QM</b>	3	GRARIEFKL	509	4.094
<b>QM</b>	4	TRVADGVFL	805	4.094

<b>ALLELE: HLA-B27</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	PRYRYTAEI	23	1.000
<b>ANNs+QM</b>	2	GRSTGAVAL	309	1.000
<b>ANNs+QM</b>	3	GRARIEFKL	509	1.000
<b>ANNs+QM</b>	4	TRVADGVFL	805	1.000

<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	PRYRYTAEI	23	1.000

<b>ANNs+QM</b>	2	GRSTGAVAL	309	1.000
<b>ANNs+QM</b>	3	SREKTGVFL	402	1.000
<b>ANNs+QM</b>	4	TRVADGVEL	805	1.000

<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	FPYPSGEGE	77	1.000
<b>ANNs+QM</b>	2	FPKADAAYL	897	1.000
<b>ANNs+QM</b>	3	TPRKVIVVA	953	0.990
<b>ANNs+QM</b>	4	APPDGAAVP	59	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	TDEKVQAFL	941	5.704
<b>QM</b>	2	WDFARAFGL	451	3.689
<b>QM</b>	3	ADSEPSPLL	570	3.689
<b>QM</b>	4	VDLDLGDGL	587	3.689

<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	EFESGARCL	201	1.792
<b>QM</b>	2	TWQENWARL	38	1.386
<b>QM</b>	3	YADRLLDDL	283	1.361
<b>QM</b>	4	ATEWVHVDL	581	1.361



<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	SREKTGVFL	402	3.807
<b>QM</b>	2	TRVADGVEL	805	3.401
<b>QM</b>	3	LRLGNTTSL	884	3.401
<b>QM</b>	4	GRSTGAVAL	309	2.708

<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	AKRAIVDRL	495	1.974
<b>QM</b>	2	WCPGLGTVL	242	0.875
<b>QM</b>	3	RITAYADRL	279	0.875
<b>QM</b>	4	YADRLDDL	283	0.875

<b>ALLELE: HLA-B*40</b>				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DEAALPVEL	546	3.689
<b>QM</b>	2	LESAGRGRA	503	2.996
<b>QM</b>	3	EETLKA AVL	932	2.996
<b>QM</b>	4	WDFARAFGL	451	2.303

<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	DEAALPVEL	546	3.178

<b>QM</b>	2	DEHTGETRV	799	2.890
<b>QM</b>	3	EETLKA AVL	932	2.197
<b>QM</b>	4	RDWDFARAF	449	2.015

<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	LAPPDGAAV	58	1.000
<b>ANNs+QM</b>	2	FGLPIVEVI	457	1.000
<b>ANNs+QM</b>	3	TPRKVIVVA	953	0.980
<b>ANNs+QM</b>	4	AADTDEETL	927	0.950

<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	NGEPVPIFI	419	13.870
<b>QM</b>	2	LAPPDGAAV	58	12.920
<b>QM</b>	3	FGLPIVEVI	457	12.180
<b>QM</b>	4	GGGTPGEAI	376	12.070

<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	NGEPVPIFI	419	13.870
<b>QM</b>	2	LAPPDGAAV	58	12.920
<b>QM</b>	3	FGLPIVEVI	457	12.180
<b>QM</b>	4	GGGTPGEAI	376	12.070

<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	FGLPIVEVI	457	5.576
<b>QM</b>	2	NGEPVPIFI	419	3.584
<b>QM</b>	3	ATPRKVIVV	952	2.996
<b>QM</b>	4	VGGAEHAVL	656	2.890

<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	FPYPSGEGL	77	1.000
<b>ANNs+QM</b>	2	RDWDFARAF	449	1.000
<b>ANNs+QM</b>	3	FPKADAAYL	897	1.000
<b>ANNs+QM</b>	4	APPDGAAVP	59	0.970

<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	FPKADAAYL	897	1.000
<b>ANNs+QM</b>	2	PPDGAAVPD	60	0.990
<b>ANNs+QM</b>	3	APPDGAAVP	59	0.970
<b>ANNs+QM</b>	4	TPRKVIVVA	953	0.960

<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	FPKADAAYL	897	1.000

<b>ANNs+QM</b>	2	TPRKVIVVA	953	0.990
<b>ANNs+QM</b>	3	FPYPSGEGEGL	77	0.960
<b>ANNs+QM</b>	4	EETLKAAVL	932	0.900

<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	KTGVFLGSY	405	3.478
<b>QM</b>	2	RCLDGGRDW	207	2.485
<b>QM</b>	3	ITAYADRL	280	1.099
<b>QM</b>	4	ATEWVHVDL	581	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	DEAALPVEL	546	6.557
<b>QM</b>	2	EETLKAAVL	932	5.075
<b>QM</b>	3	VDLDLGDGL	587	3.784
<b>QM</b>	4	ADSESPPL	570	3.689

<b>ALLELE: HLA-B61</b>				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DEHTGETRV	799	3.689
<b>QM</b>	2	LESAGRGRA	503	2.996
<b>QM</b>	3	DEAALPVEL	546	2.773
<b>QM</b>	4	EETLKAAVL	932	2.773

<b>ALLELE: HLA-B62</b>				
Threshold for 4 % with score: 0.693				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	TIVGVSEDF	824	3.178
<b>QM</b>	2	KTGVFLGSY	405	2.079
<b>QM</b>	3	MLAPLAPHI	870	1.569
<b>QM</b>	4	VLHALGFDA	110	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	FPYPSGEGE	77	1.000
<b>ANNs+QM</b>	2	WCPGLGTVL	242	1.000
<b>ANNs+QM</b>	3	FPKADAAYL	897	1.000
<b>ANNs+QM</b>	4	APPDGAAVP	59	0.980

<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	FPYPSGEGE	77	1.000
<b>ANNs+QM</b>	2	FPKADAAYL	897	1.000
<b>ANNs+QM</b>	3	TPRKVIVVA	953	1.000
<b>ANNs+QM</b>	4	PPDGAAVPD	60	0.980

<b>ALLELE: HLA-B8</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	LAKATEWVH	578	0.720

<b>ANNs+QM</b>	2	AADTDEETL	927	0.720
<b>ANNs+QM</b>	3	ITAYADRL	280	0.700
<b>ANNs+QM</b>	4	LAPEHDLVD	350	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	FPYPSGEG	77	4.605
<b>QM</b>	2	LRLGNTTSL	884	3.871
<b>QM</b>	3	TRVADGVEL	805	3.689
<b>QM</b>	4	FGLPIVEVI	457	3.219

<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	EFGKIGKSL	736	11.310
<b>QM</b>	2	FPYPSGEG	77	7.370
<b>QM</b>	3	FPKADAAYL	897	6.760
<b>QM</b>	4	ITAYADRL	280	6.550

<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	YADRLDDL	283	2.676
<b>QM</b>	2	AVEPLVQML	863	2.580
<b>QM</b>	3	AKRAIVDRL	495	2.485
<b>QM</b>	4	KTGVFLGSY	405	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	KTGVFLGSY	405	3.466
<b>QM</b>	2	RDWDFARAF	449	1.905
<b>QM</b>	3	GRARIEFKL	509	1.751
<b>QM</b>	4	LDIDTLRAL	813	1.394

<b>ALLELE: H2-Db</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	TWQENWARL	38	1.000
<b>ANNs+QM</b>	2	RCLDGGRDW	207	0.900
<b>ANNs+QM</b>	3	YADRLDDL	283	0.880
<b>ANNs+QM</b>	4	EFESGARCL	201	0.840

<b>ALLELE: H2-Dd</b>				
Threshold for 4 % with score: 11.800				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VGRNVLHAL	106	22.600
<b>QM</b>	2	NGEPVPIFI	419	18.190
<b>QM</b>	3	DGGRDWAKL	210	17.940
<b>QM</b>	4	SVPAAKRAI	491	17.610

<b>ALLELE: H2-Kb</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	AADTDEETL	927	1.000

<b>ANNs+QM</b>	2	ITAYADRLL	280	0.970
<b>ANNs+QM</b>	3	TTANKARPI	187	0.960
<b>ANNs+QM</b>	4	PAAKRAIVD	493	0.960

<b>ALLELE: H2-Kd</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	FPYPSGEGL	77	1.000
<b>ANNs+QM</b>	2	EFESGARCL	201	1.000
<b>ANNs+QM</b>	3	VYDSDGRPH	535	0.980
<b>ANNs+QM</b>	4	TTANKARPI	187	0.940

<b>ALLELE: H2-Kk</b>				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DEHTGETRV	799	5.991
<b>QM</b>	2	DEAALPVEL	546	4.382
<b>QM</b>	3	EETLKA AVL	932	3.689
<b>QM</b>	4	LESAGRGRA	503	2.996

<b>ALLELE: H2-Ld</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	FPYPSGEGL	77	1.000
<b>ANNs+QM</b>	2	LFGATYLV L	342	1.000
<b>ANNs+QM</b>	3	YSRFWHKVL	668	1.000
<b>ANNs+QM</b>	4	FPKADAAYL	897	1.000



**ALLELE: HLA-G**

Threshold for 4 % with score: 9.260

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	RITAYADRL	279	15.640
<b>QM</b>	2	VGGAEHAVL	656	13.110
<b>QM</b>	3	GVELDIDTL	810	12.780
<b>QM</b>	4	NVPNPVGS�	50	12.170

**ALLELE: H-2Qa**

Threshold for 4 % with score: 6.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VGRNVLHAL	106	13.750
<b>QM</b>	2	EWVHVDL DL	583	11.890
<b>QM</b>	3	LVLAPEHDL	348	10.540
<b>QM</b>	4	FPYPSG EGL	77	9.470

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

Threshold for 4 % with score: 5.000

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AHGPF PKAD	893	7.270
<b>QM</b>	2	GRPHALDEA	540	7.180
<b>QM</b>	3	TRVADGVEL	805	7.000
<b>QM</b>	4	SREKTGVFL	402	6.930

**ALLELE: HLA-B35**

Threshold for 4 % with score: 8.350

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	FPYPSG EGL	77	15.300

<b>QM</b>	2	FPKADAAYL	897	13.220
<b>QM</b>	3	AADTDEETL	927	11.430
<b>QM</b>	4	WDFARAFGL	451	11.360

<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	NVPPNPVGS	50	7.700
<b>QM</b>	2	AVEPLVQML	863	7.440
<b>QM</b>	3	DVPDYSPL	556	5.570
<b>QM</b>	4	ATEWVHVDL	581	5.190

<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	ALFSARAAS	316	16.500
<b>QM</b>	2	KATEWVHVD	580	14.190
<b>QM</b>	3	RITAYADRL	279	14.140
<b>QM</b>	4	GRSTGAVAL	309	13.740

<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	SREKTGVFL	402	11.830
<b>QM</b>	2	TRVADGVEL	805	11.770
<b>QM</b>	3	GRPHALDEA	540	11.020
<b>QM</b>	4	PRYRYTAE	23	7.830

<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	GRPHALDEA	540	15.790
<b>QM</b>	2	TRVADGVEL	805	12.570
<b>QM</b>	3	DEAALPVEL	546	11.800
<b>QM</b>	4	SREKTGVFL	402	10.310

<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	PEHDLVDEL	352	15.720
<b>QM</b>	2	LESAGRGRA	503	11.980
<b>QM</b>	3	DEHTGETRV	799	10.300
<b>QM</b>	4	LDIDTLRAL	813	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	MLAPLAPHI	870	6.310
<b>QM</b>	2	ADSESPPL	570	5.950
<b>QM</b>	3	GMSVPAKR	489	4.580
<b>QM</b>	4	TAGPGGVPR	6	3.810

<b>ALLELE: HLA-B44</b>				
Threshold for 4 % with score: 4.900				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	EETLKA AVL	932	9.250

<b>QM</b>	2	WAKLTAGER	215	7.640
<b>QM</b>	3	DEAALPVEL	546	7.640
<b>QM</b>	4	GEAIAAYRR	381	6.920

<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	TTANKARPI	187	0.980
<b>ANNs+QM</b>	2	SVPAAKRAI	491	0.970
<b>ANNs+QM</b>	3	ALFSARAAS	316	0.960
<b>ANNs+QM</b>	4	KKHRDAVPR	853	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	ITAYADRLI	280	0.990
<b>ANNs+QM</b>	2	SREKTGVFL	402	0.990
<b>ANNs+QM</b>	3	STGAVALFS	311	0.980
<b>ANNs+QM</b>	4	ATPRKVIVV	952	0.980