



# nHLAPred

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

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Antigen Name	Untitled
Scanned on	Wed Dec 23 09:35:28 2009
Length of input sequence	300 amino acids
Number of nonamers from input sequence	292
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
ANNS+QM	1	GTYDTAHSI	88	0.560
ANNS+QM	2	YSGDDALNL	192	0.470
ANNS+QM	3	GATGFISVI	206	0.430
ANNS+QM	4	IAHLAAGQL	214	0.420

ALLELE: HLA-A2				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	LLRAVLEAV	69	0.990
ANNS+QM	2	TLKAGLRL	258	0.990
ANNS+QM	3	DLHSGAQIM	176	0.930
ANNS+QM	4	GFISVIAHL	209	0.910

ALLELE: HLA-A*0201				
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Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNs+QM	1	TLKAGLRL	258	0.990
ANNs+QM	2	GLQAHFTAV	124	0.980
ANNs+QM	3	LLRAVLEAV	69	0.960
ANNs+QM	4	ATPEQIDAL	281	0.920

ALLELE: HLA-A*0202				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNs+QM	1	GLQAHFTAV	124	1.000
ANNs+QM	2	GFISVIAHL	209	0.990
ANNs+QM	3	ASHPNIVGV	162	0.980
ANNs+QM	4	TLKAGLRL	258	0.980

ALLELE: HLA-A*0203				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNs+QM	1	GTYDTAHSI	88	0.920
ANNs+QM	2	GATGFISVI	206	0.910
ANNs+QM	3	TLKAGLRL	258	0.840
ANNs+QM	4	LLRAVLEAV	69	0.440

ALLELE: HLA-A*0206				
Threshold for .5 % with score: .5				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNs+QM	1	GLQAHFTAV	124	0.990
ANNs+QM	2	GATGFISVI	206	0.950
ANNs+QM	3	ASHPNIVGV	162	0.930
ANNs+QM	4	ATPEQIDAL	281	0.920

ALLELE: HLA-A*0205				
Threshold for 4 % with score: 5.950				
Prediction method	Rank	Sequence	Residue No.	Peptide Score

<b>QM</b>	1	ATPEQIDAL	281	13.500
<b>QM</b>	2	TLSKAGLRL	258	9.450
<b>QM</b>	3	GVKDAKADL	169	8.860
<b>QM</b>	4	AVGDRARVI	76	7.780

ALLELE: HLA-A*1101				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	AHLAAGQLR	215	0.870
<b>ANNS+QM</b>	2	AVLEAVGDR	72	0.860
<b>ANNS+QM</b>	3	AVGDRARVI	76	0.690
<b>ANNS+QM</b>	4	PTTTDGEKI	59	0.670

ALLELE: HLA-A11				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	AHLAAGQLR	215	1.000
<b>ANNS+QM</b>	2	AVLEAVGDR	72	0.990
<b>ANNS+QM</b>	3	VPIEPTIR	151	0.900
<b>ANNS+QM</b>	4	GTYDTAHSI	88	0.880

ALLELE: HLA-A24				
Threshold for 4 % with score: 7.670				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	DDALNLPWL	195	9.110
<b>QM</b>	2	GTYDTAHSI	88	8.810
<b>QM</b>	3	YSGDALNL	192	7.850
<b>QM</b>	4	AVGDRARVI	76	7.220

ALLELE: HLA-A*2402				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	PTTTDGEKI	59	0.720
<b>ANNS+QM</b>	2	QLRELSAF	221	0.490

<b>ANNS+QM</b>	3	GATGFISVI	206	0.350
<b>ANNS+QM</b>	4	ASHPNIVGV	162	0.230

ALLELE: HLA-A3				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	QLRELLSAF	221	1.000
<b>ANNS+QM</b>	2	HSIRLAKAC	94	0.990
<b>ANNS+QM</b>	3	GTYDTAHSI	88	0.970
<b>ANNS+QM</b>	4	QAHTAVAD	126	0.910

ALLELE: HLA-A*3101				
Threshold for 4 % with score: -1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AVLEAVGDR	72	2.079
<b>QM</b>	2	VPIEPDTIR	151	-0.916
<b>QM</b>	3	NIVGVKDAK	166	-0.916

ALLELE: HLA-A31				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	DGEKIELLR	63	0.990
<b>ANNS+QM</b>	2	VPIEPDTIR	151	0.970
<b>ANNS+QM</b>	3	AHLAAGQLR	215	0.890
<b>ANNS+QM</b>	4	TLSKAGLRL	258	0.790

ALLELE: HLA-A*0301				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	GLQAHTAV	124	1.000
<b>ANNS+QM</b>	2	AVGDRARVI	76	0.970
<b>ANNS+QM</b>	3	GTYDTAHSI	88	0.930
<b>ANNS+QM</b>	4	GDIATARKI	232	0.930

ALLELE: HLA-A*3302				
Threshold for 4 % with score: -0.105				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AVLEAVGDR	72	2.708
QM	2	GSGDIATAR	230	2.708
QM	3	DGEKIELLR	63	2.197
QM	4	VPIEPDTIR	151	1.099

ALLELE: HLA-A68.1				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AVLEAVGDR	72	5.991
QM	2	GSGDIATAR	230	3.401
QM	3	VPIEPDTIR	151	2.708
QM	4	AVGDRARVI	76	2.079

ALLELE: HLA-A20 Cattle				
Threshold for 4 % with score: 3.401				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	AKACAAEGA	99	4.605
QM	2	AVLEAVGDR	72	3.689
QM	3	VPIEPDTIR	151	3.689
QM	4	GSGDIATAR	230	3.689

ALLELE: HLA-A2.1				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	LLRAVLEAV	69	1.000
ANNS+QM	2	TLKAGLRL	258	1.000
ANNS+QM	3	YDTAHSIRL	90	0.970
ANNS+QM	4	QIDALAADM	285	0.970

ALLELE: HLA-B14				
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Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	YDTAHSIRL	90	1.000
<b>ANNs+QM</b>	2	DDALNLPWL	195	0.980
<b>ANNs+QM</b>	3	AAGQLRELL	218	0.940
<b>ANNs+QM</b>	4	QRGLQAHFT	122	0.930

ALLELE: HLA-B*2702				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	QRGLQAHFT	122	2.996
<b>QM</b>	2	QLRELLSAF	221	1.099
<b>QM</b>	3	TPFSGDGSL	21	0.405
<b>QM</b>	4	GTYDTAHSI	88	0.405

ALLELE: HLA-B27				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	GATGFISVI	206	0.420
<b>ANNs+QM</b>	2	QRGLQAHFT	122	0.180
<b>ANNs+QM</b>	3	AVLEAVGDR	72	0.070
<b>ANNs+QM</b>	4	GTYDTAHSI	88	0.070

ALLELE: HLA-B*2705				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	QRGLQAHFT	122	0.840
<b>ANNs+QM</b>	2	TLSKAGLRL	258	0.330
<b>ANNs+QM</b>	3	TAARLANHL	33	0.250
<b>ANNs+QM</b>	4	QAHFTAVAD	126	0.250

ALLELE: HLA-B*3501				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score

<b>ANNs+QM</b>	1	TPFSGDGSL	21	1.000
<b>ANNs+QM</b>	2	VPIEPDTIR	151	0.820
<b>ANNs+QM</b>	3	TAVADATEL	130	0.740
<b>ANNs+QM</b>	4	GATGFISVI	206	0.320

<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	TDGEKIELL	62	5.298
<b>QM</b>	2	LDTATAARL	29	3.689
<b>QM</b>	3	YDTAHSIRL	90	3.689
<b>QM</b>	4	DDALNLPWL	195	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	KIELLRAVL	66	1.361
<b>QM</b>	2	VGFDVAARL	4	0.956
<b>QM</b>	3	GFISVIAHL	209	0.956
<b>QM</b>	4	TPFSGDGSL	21	0.693

<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	VGFDVAARL	4	2.485
<b>QM</b>	2	GFISVIAHL	209	2.197
<b>QM</b>	3	ATPEQIDAL	281	2.197
<b>QM</b>	4	TAVADATEL	130	1.792

<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	VGFDVAARL	4	0.875
<b>QM</b>	2	TAARLANHL	33	0.875

<b>QM</b>	3	KIELLRAVL	66	0.875
<b>QM</b>	4	GFISVIAHL	209	0.875

ALLELE: HLA-B40				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GEKIELLRA	64	2.996
<b>QM</b>	2	IEPDTIRAL	153	2.996
<b>QM</b>	3	DDALNLPWL	195	1.609
<b>QM</b>	4	GDIATARKI	232	1.386

ALLELE: HLA-B*4403				
Threshold for 4 % with score: 0.405				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GEKIELLRA	64	2.197
<b>QM</b>	2	GDIATARKI	232	1.727
<b>QM</b>	3	DDALNLPWL	195	1.504
<b>QM</b>	4	IEPDTIRAL	153	1.386

ALLELE: HLA-B*5101				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	VPIEPDTIR	151	0.960
<b>ANNS+QM</b>	2	DGEKIELLR	63	0.930
<b>ANNS+QM</b>	3	GATGFISVI	206	0.870
<b>ANNS+QM</b>	4	MSRLGGVTL	251	0.820

ALLELE: HLA-B*5102				
Threshold for 4 % with score: 9.050				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GLQAHFTAV	124	9.950
<b>QM</b>	2	ASHPNIVGV	162	8.650
<b>QM</b>	3	VPIEPDTIR	151	8.610
<b>QM</b>	4	GTYDTAHSI	88	8.480



ALLELE: HLA-B*5103				
Threshold for 4 % with score: 9.280				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	GLQAHFTAV	124	9.950
QM	2	ASHPNIVGV	162	8.650
QM	3	VPIEPDTIR	151	8.610
QM	4	GTYDTAHSI	88	8.480

ALLELE: HLA-B*5201				
Threshold for 4 % with score: 1.974				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	VGFDVAARL	4	2.708
QM	2	GATGFISVI	206	2.708
QM	3	AVGDRARVI	76	2.303
QM	4	TPFSGDGSL	21	2.015

ALLELE: HLA-B*5301				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	TPFSGDGSL	21	1.000
ANNS+QM	2	VPIEPDTIR	151	0.980
ANNS+QM	3	HPNIVGVKD	164	0.290
ANNS+QM	4	YSGDDALNL	192	0.290

ALLELE: HLA-B*5401				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	TPFSGDGSL	21	0.980
ANNS+QM	2	VPIEPDTIR	151	0.950
ANNS+QM	3	HPNIVGVKD	164	0.820
ANNS+QM	4	DTATAARLA	30	0.510

ALLELE: HLA-B*51				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	TPFSGDGSL	21	1.000
ANNS+QM	2	VPIEPTIR	151	0.990
ANNS+QM	3	GATGFISVI	206	0.970
ANNS+QM	4	YSGDDALNL	192	0.750

ALLELE: HLA-B*5801				
Threshold for 4 % with score: -0.223				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	ASHPNIVGV	162	1.569
QM	2	ATPEQIDAL	281	1.569
QM	3	TTVGFVAA	2	1.099
QM	4	HSIRLAKAC	94	1.099

ALLELE: HLA-B60				
Threshold for 4 % with score: 1.386				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	IEPDTIRAL	153	5.075
QM	2	YDTAHSIRL	90	3.784
QM	3	DDALNLPWL	195	3.689
QM	4	LDTATAARL	29	3.091

ALLELE: HLA-B61				
Threshold for 4 % with score: 0.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	GEKIELLRA	64	3.091
QM	2	IEPDTIRAL	153	2.773
QM	3	GDIATARKI	232	0.788
QM	4	LDTATAARL	29	0.693

ALLELE: HLA-B62				
Threshold for 4 % with score: 0.693				

Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	QLRELLSAF	221	5.576
<b>QM</b>	2	LLRAVLEAV	69	2.485
<b>QM</b>	3	DLHSGAQIM	176	1.386
<b>QM</b>	4	GLQAHFTAV	124	0.875

ALLELE: HLA-B7				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	VPIEPDTIR	151	0.970
<b>ANNS+QM</b>	2	TPFSGDGSL	21	0.900
<b>ANNS+QM</b>	3	YDTAHSIRL	90	0.880
<b>ANNS+QM</b>	4	MSRLGGVTL	251	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	TPFSGDGSL	21	1.000
<b>ANNS+QM</b>	2	VPIEPDTIR	151	0.960
<b>ANNS+QM</b>	3	HPNIVGVKD	164	0.770
<b>ANNS+QM</b>	4	DTATAARLA	30	0.690

ALLELE: HLA-B8				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	DTATAARLA	30	0.730
<b>ANNS+QM</b>	2	DGEKIELLR	63	0.690
<b>ANNS+QM</b>	3	VTTVGFVDA	1	0.680
<b>ANNS+QM</b>	4	TLSKAGLRL	258	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	TAVADATEL	130	3.689

QM	2	GFISVIAHL	209	2.996
QM	3	VGFDVAARL	4	1.792
QM	4	TAARLANHL	33	1.792

ALLELE: HLA-Cw*0401				
Threshold for 4 % with score: 4.370				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	TLSKAGLRL	258	7.640
QM	2	GVKDAKADL	169	7.370
QM	3	GFISVIAHL	209	6.640
QM	4	IEPDTIRAL	153	6.280

ALLELE: HLA-Cw*0602				
Threshold for 4 % with score: 1.482				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	TDGEKIELL	62	2.079
QM	2	TAARLANHL	33	1.982
QM	3	KIELLRAVL	66	1.887
QM	4	GATGFISVI	206	1.887

ALLELE: HLA-Cw*0702				
Threshold for 4 % with score: 1.212				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	DDALNLPWL	195	1.569
QM	2	QLRELLSAF	221	1.569
QM	3	IEPDTIRAL	153	1.394
QM	4	ATPEQIDAL	281	1.058

ALLELE: H2-Db				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	DDALNLPWL	195	1.000
ANNS+QM	2	AAGQLRELL	218	1.000
ANNS+QM	3	QAHFTAVAD	126	0.890

<b>ANNS+QM</b>	4	MSRLGGVTL	251	0.880
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<b>ALLELE: H2-Dd</b>				
Threshold for 4 % with score: 11.800				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	VGFDVAARL	4	20.130
<b>QM</b>	2	IEPDTIRAL	153	16.890
<b>QM</b>	3	GTYDTAHSI	88	12.860
<b>QM</b>	4	ATPEQIDAL	281	12.090

<b>ALLELE: H2-Kb</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	AAGQLRELL	218	1.000
<b>ANNS+QM</b>	2	IEPDTIRAL	153	0.950
<b>ANNS+QM</b>	3	DTATAARLA	30	0.920
<b>ANNS+QM</b>	4	TDGEKIELL	62	0.850

<b>ALLELE: H2-Kd</b>				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNS+QM</b>	1	GFISVIAHL	209	1.000
<b>ANNS+QM</b>	2	AAGQLRELL	218	0.980
<b>ANNS+QM</b>	3	TPFSGDGSL	21	0.970
<b>ANNS+QM</b>	4	GDIATARKI	232	0.790

<b>ALLELE: H2-Kk</b>				
Threshold for 4 % with score: 1.609				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	GDIATARKI	232	4.605
<b>QM</b>	2	IEPDTIRAL	153	2.996
<b>QM</b>	3	GEKIELLRA	64	2.303
<b>QM</b>	4	DDALNLPWL	195	2.079

ALLELE: H2-Ld				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
ANNS+QM	1	TPFSGDGSL	21	1.000
ANNS+QM	2	YSGDDALNL	192	1.000
ANNS+QM	3	MSRLGGVTL	251	1.000
ANNS+QM	4	YDTAHSIRL	90	0.790

ALLELE: HLA-G				
Threshold for 4 % with score: 9.260				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	GVKDAKADL	169	18.110
QM	2	ATPEQIDAL	281	15.510
QM	3	TLSKAGLRL	258	15.180
QM	4	TAVADATEL	130	13.450

ALLELE: H-2Qa				
Threshold for 4 % with score: 6.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	GTYDTAHSI	88	8.670
QM	2	DDALNLPWL	195	7.670
QM	3	TAARLANHL	33	6.470
QM	4	GFISVIAHL	209	5.820

ALLELE: HLA-B*2706				
Threshold for 4 % with score: 5.000				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	QRGLQAHFT	122	6.000
QM	2	ATPEQIDAL	281	4.940
QM	3	IEPDTIRAL	153	4.670
QM	4	ASHPNIVGV	162	3.930

ALLELE: HLA-B35				
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Threshold for 4 % with score: 8.350				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	TPFSGDGL	21	12.720
QM	2	TLKAGLRL	258	9.670
QM	3	TAVADATEL	130	8.750
QM	4	HPNIVGVKD	164	8.570

ALLELE: Mamu-A*01				
Threshold for 4 % with score: 3.650				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	IEPDTIRAL	153	6.160
QM	2	YDTAHSIRL	90	3.910
QM	3	ATPEQIDAL	281	3.500
QM	4	TPFSGDGL	21	3.150

ALLELE: HLA-A*0204				
Threshold for 4 % with score: 12.070				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	TLKAGLRL	258	15.540
QM	2	QAHFTAVAD	126	13.790
QM	3	LDTATAARL	29	13.280
QM	4	IAHLAAGQL	214	13.200

ALLELE: HLA-B*2703				
Threshold for 4 % with score: 5.130				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
QM	1	QRGLQAHFT	122	5.260
QM	2	YDTAHSIRL	90	3.600
QM	3	GFISVIAHL	209	2.660
QM	4	TDGEKIELL	62	2.330

ALLELE: HLA-B*2704				
Threshold for 4 % with score: 8.790				
Prediction method	Rank	Sequence	Residue No.	Peptide Score

<b>QM</b>	1	YDTAHSIRL	90	14.810
<b>QM</b>	2	QRGLQAHFT	122	12.580
<b>QM</b>	3	QLRELLSAF	221	11.220
<b>QM</b>	4	GVKDAKADL	169	10.010

<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	IEPDTIRAL	153	14.030
<b>QM</b>	2	PEQIDALAA	283	9.260
<b>QM</b>	3	YSGDDALNL	192	8.880
<b>QM</b>	4	TPFSGDGSL	21	8.300

<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	AVLEAVGDR	72	2.760
<b>QM</b>	2	ASHPNIVGV	162	2.740
<b>QM</b>	3	HSIRLAKAC	94	2.620
<b>QM</b>	4	DDALNLPWL	195	1.350

<b>ALLELE: HLA-B44</b>				
Threshold for 4 % with score: 4.900				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>QM</b>	1	AAGQLRELL	218	6.170
<b>QM</b>	2	GDIATARKI	232	5.780
<b>QM</b>	3	IEPDTIRAL	153	4.860
<b>QM</b>	4	GEKIELLRA	64	4.740

<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	AVLEAVGDR	72	0.980
<b>ANNS+QM</b>	2	AVGDRARVI	76	0.960



<b>ANNs+QM</b>	3	GTYDTAHSI	88	0.950
<b>ANNs+QM</b>	4	GDIATARKI	232	0.890

ALLELE: HLA-A*6802				
Threshold for 4 % with score: 4				
Prediction method	Rank	Sequence	Residue No.	Peptide Score
<b>ANNs+QM</b>	1	DTATAARLA	30	0.990
<b>ANNs+QM</b>	2	VAATPEQID	279	0.990
<b>ANNs+QM</b>	3	RAVLEAVGD	71	0.980
<b>ANNs+QM</b>	4	ASHPNIVGV	162	0.970