

MHC Class-II Binding Peptide Prediction Results

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INPUT & PARAMETER INFORMATION

Antigen Name	test
Scanned on	Thu Feb 4 16:28:51 2010
Length of input sequence	102 amino acids
Number of nanomers from input sequence	94
Number of nanomers with obligatory P1 anchor residue	24
Threshold setting	3
Number of alleles in query	51
Number of top scorers to be displayed	10

ALLELE: DRB1_0101 Threshold for 3 % with score: 0.14 Highest Score achievable by any peptide: 6

Rank	Sequence	At Position	Score	% of Highest Score
1	YLAGDAAAA	85	0.3000	5.00
2	LQTAAGFSA	47	0.2000	3.33
3	VEALTARLA	16	0.0900	1.50
4	VVTAEGVEE	62	-0.4000	0
5	VSLQTAAGF	45	-0.6000	0
6	VITAVPPA	33	-0.9300	0
7	VVPEGLAAA	4	-1.0000	0
8	ITAVVPPAA	34	-1.1800	0
9	LAAAHASAA	23	-1.2000	0

ALLELE: DRB1_0102 Threshold for 3 % with score: 0.7 Highest Score achievable by any peptide: 6

Rank	Sequence	At Position	Score	% of Highest Score
1	LQTAAGFSA	47	1.2000	20.00
2	VEALTARLA	16	1.0900	18.17
3	VVTAEGVEE	62	0.6000	10.00
4	VSLQTAAGF	45	0.4000	6.67
5	VITAVVPPA	33	0.0700	1.17
6	ITAVVPPAA	34	-0.1800	0
7	LAAAHASAA	23	-0.2000	0
8	YLAGDAAAA	85	-0.7000	0

ALLELE: DRB1_0301 Threshold for 3 % with score: 2.96 Highest Score achievable by any peptide: 9.5

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	3.0000	31.58
2	LGRAGVGVG	71	2.9000	30.53
3	VGVGESGAS	76	2.6000	27.37
4	LAGDAAAAA	86	2.5000	26.32
5	MTLRVVPEG	0	2.3000	24.21
6	VVPEGLAAA	4	1.6000	16.84
7	VSLQTAAGF	45	1.6000	16.84
8	LRVVPEGLA	2	1.4000	14.74
9	VVTAEGVEE	62	1.3000	13.68
10	ITAVVPPAA	34	1.2000	12.63

ALLELE: DRB1_0305 Threshold for 3 % with score: 1.7 Highest Score achievable by any peptide: 9.1

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	2.0000	21.98
2	YLAGDAAAA	85	1.5000	16.48
3	LAGDAAAAA	86	1.5000	16.48

4	VGVGESGAS	76	1.2000	13.19
5	FSAQGVEHA	53	0.7000	7.69
6	VVPEGLAAA	4	0.6000	6.59
7	LGRAGVGVG	71	0.5000	5.49
8	LRVVPEGLA	2	0.4000	4.40
9	ITAVVPPAA	34	0.2000	2.20

ALLELE: DRB1_0306 Threshold for 3 % with score: 2.08 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LAGDAAAAA	86	2.5000	28.41
2	VVPEGLAAA	4	1.6000	18.18
3	VITAVVPPA	33	1.6000	18.18
4	VGVGESGAS	76	0.8000	9.09
5	YLAGDAAAA	85	0.5000	5.68
6	VVPPAADPV	37	0.4000	4.55
7	FSAQGVEHA	53	0.1000	1.14
8	LGRAGVGVG	71	0.1000	1.14

ALLELE: DRB1_0307 Threshold for 3 % with score: 2.08 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LAGDAAAAA	86	2.5000	28.41
2	VVPEGLAAA	4	1.6000	18.18
3	VITAVVPPA	33	1.6000	18.18
4	VGVGESGAS	76	0.8000	9.09
5	YLAGDAAAA	85	0.5000	5.68
6	VVPPAADPV	37	0.4000	4.55
7	FSAQGVEHA	53	0.1000	1.14
8	LGRAGVGVG	71	0.1000	1.14

ALLELE: DRB1_0308 Threshold for 3 % with score: 2.08 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LAGDAAAAA	86	2.5000	28.41
2	VVPEGLAAA	4	1.6000	18.18
3	VITAVVPPA	33	1.6000	18.18
4	VGVGESGAS	76	0.8000	9.09
5	YLAGDAAAA	85	0.5000	5.68
6	VVPPAADPV	37	0.4000	4.55
7	FSAQGVEHA	53	0.1000	1.14
8	LGRAGVGVG	71	0.1000	1.14

ALLELE: DRB1_0309 Threshold for 3 % with score: 2.4 Highest Score achievable by any peptide: 9.5

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	2.0000	21.05
2	LGRAGVGVG	71	1.9000	20.00
3	VGVGESGAS	76	1.6000	16.84
4	YLAGDAAAA	85	1.5000	15.79
5	LAGDAAAAA	86	1.5000	15.79
6	MLRVVPEG	0	1.3000	13.68
7	FSAQGVEHA	53	0.7000	7.37
8	VVPEGLAAA	4	0.6000	6.32
9	VSLQTAAGF	45	0.6000	6.32
10	LRVVPEGLA	2	0.4000	4.21

ALLELE: DRB1_0311 Threshold for 3 % with score: 2.08 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LAGDAAAAA	86	2.5000	28.41
2	VVPEGLAAA	4	1.6000	18.18
3	VITAVVPPA	33	1.6000	18.18
4	VGVGESGAS	76	0.8000	9.09

5	YLAGDAAAA	85	0.5000	5.68
6	VVPPAADPV	37	0.4000	4.55
7	FSAQGVEHA	53	0.1000	1.14
8	LGRAGVGVG	71	0.1000	1.14

ALLELE: DRB1_0401 Threshold for 3 % with score: 1.48 Highest Score achievable by any peptide: 8.6

Rank	Sequence	At Position	Score	% of Highest Score
1	VVPEGLAAA	4	1.8000	20.93
2	FSAQGVEHA	53	1.6000	18.60
3	VTAEGVEEL	63	0.6000	6.98
4	LAGDAAAAA	86	0.6000	6.98
5	VITAVVPPA	33	0.3000	3.49
6	VSLQTAAGF	45	-0.5000	0
7	YLAGDAAAA	85	-0.6000	0
8	LAAAHASAA	23	-1.2000	0
9	VVPPAADPV	37	-1.2000	0

ALLELE: DRB1_0402 Threshold for 3 % with score: 1.8 Highest Score achievable by any peptide: 9.6

Rank	Sequence	At Position	Score	% of Highest Score
1	VEALTARLA	16	1.2000	12.50
2	LTARLAAAH	19	1.0800	11.25
3	VITAVVPPA	33	1.0000	10.42
4	MLRVVPEG	0	0.9000	9.38
5	LQTAAGFSA	47	0.2000	2.08
6	VGVGESGAS	76	-0.1000	0
7	LAAAHASAA	23	-0.4000	0
8	VEHAVVTAE	58	-0.4000	0
9	VSLQTAAGF	45	-0.7000	0

ALLELE: DRB1_0404 Threshold for 3 % with score: 1.8 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	1.0000	11.36
2	LAAAHASAA	23	0.5000	5.68
3	VVPEGLAAA	4	0.2000	2.27
4	VEALTARLA	16	0.2000	2.27
5	VEHAVVTAE	58	-0.1000	0
6	LGRAGVGVG	71	-0.1000	0
7	VSLQTAAGF	45	-0.3000	0
8	LQTAAGFSA	47	-0.3500	0
9	LRVVPEGLA	2	-0.4000	0

ALLELE: DRB1_0405 Threshold for 3 % with score: 2.0 Highest Score achievable by any peptide: 9.4

Rank	Sequence	At Position	Score	% of Highest Score
1	VEHAVVTAE	58	1.9000	20.21
2	VVTAEGVEE	62	0.8000	8.51
3	LAAASAAVE	9	0.3000	3.19
4	LGRAGVGVG	71	0.2000	2.13
5	FSAQGVEHA	53	-0.1000	0
6	VSLQTAAGF	45	-0.4000	0
7	LAAAHASAA	23	-0.5000	0
8	VVPEGLAAA	4	-0.8000	0

ALLELE: DRB1_0408 Threshold for 3 % with score: 1.2 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	FSAQGVEHA	53	-0.1000	0
2	LAAAHASAA	23	-0.5000	0
3	VVPEGLAAA	4	-0.8000	0
4	VEALTARLA	16	-0.8000	0
5	VEHAVVTAE	58	-1.1000	0

6	LGRAGVGVG	71	-1.1000	0
7	VSLQTAAGF	45	-1.3000	0
8	LQTAAGFSA	47	-1.3500	0

ALLELE: DRB1_0410 Threshold for 3 % with score: 2.6 Highest Score achievable by any peptide: 9.4

Rank	Sequence	At Position	Score	% of Highest Score
1	VEHAVVTAE	58	2.9000	30.85
2	VVTAEGVEE	62	1.8000	19.15
3	LAAASAAVE	9	1.3000	13.83
4	LGRAGVGVG	71	1.2000	12.77
5	VITAVVPPA	33	1.0000	10.64
6	VSLQTAAGF	45	0.6000	6.38
7	LAAAHASAA	23	0.5000	5.32
8	VVPEGLAAA	4	0.2000	2.13
9	VEALTARLA	16	0.2000	2.13

ALLELE: DRB1_0421 Threshold for 3 % with score: 2.3 Highest Score achievable by any peptide: 9

Rank	Sequence	At Position	Score	% of Highest Score
1	VVPEGLAAA	4	1.8000	20.00
2	FSAQGVEHA	53	1.6000	17.78
3	VTAEGVEEL	63	1.5600	17.33
4	VSLQTAAGF	45	1.4000	15.56
5	LAGDAAAAA	86	0.6000	6.67
6	VITAVVPPA	33	0.3000	3.33
7	LGRAGVGVG	71	0.2000	2.22
8	VVPPAADPV	37	-0.2000	0
9	VEHAVVTAE	58	-0.2000	0

ALLELE: DRB1_0423 Threshold for 3 % with score: 1.68 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	1.0000	11.36
2	LAAAHASAA	23	0.5000	5.68
3	VVPEGLAAA	4	0.2000	2.27
4	VEALTARLA	16	0.2000	2.27
5	VEHAVVTAE	58	-0.1000	0
6	LGRAGVGVG	71	-0.1000	0
7	VSLQTAAGF	45	-0.3000	0
8	LQTAAGFSA	47	-0.3500	0
9	LRVVPEGLA	2	-0.4000	0

ALLELE: DRB1_0426 Threshold for 3 % with score: 1.6 Highest Score achievable by any peptide: 8.6

Rank	Sequence	At Position	Score	% of Highest Score
1	VVPEGLAAA	4	1.8000	20.93
2	FSAQGVEHA	53	1.6000	18.60
3	VTAEGVEEL	63	0.6000	6.98
4	LAGDAAAAA	86	0.6000	6.98
5	VITAVVPPA	33	0.3000	3.49
6	VSLQTAAGF	45	-0.5000	0
7	YLAGDAAAA	85	-0.6000	0
8	LAAAHASAA	23	-1.2000	0
9	VVPPAADPV	37	-1.2000	0

ALLELE: DRB1_0701 Threshold for 3 % with score: 4.1 Highest Score achievable by any peptide: 11.6

Rank	Sequence	At Position	Score	% of Highest Score
1	VGESGASYL	78	3.6000	31.03
2	VTAEGVEEL	63	2.0000	17.24
3	VVTAEGVEE	62	1.8000	15.52
4	LQTAAGFSA	47	1.7000	14.66
5	VVPPAADPV	37	0.9000	7.76

6	VSLQTAAGF	45	0.3000	2.59
7	LRVVPEGLA	2	0.1000	0.86

ALLELE: DRB1_0703 Threshold for 3 % with score: 4.0 Highest Score achievable by any peptide: 11.6

Rank	Sequence	At Position	Score	% of Highest Score
1	VGESGASYL	78	3.6000	31.03
2	VTAEGVEEL	63	2.0000	17.24
3	VVTAEGVEE	62	1.8000	15.52
4	LQTAAGFSA	47	1.7000	14.66
5	VVPPAADPV	37	0.9000	7.76
6	VSLQTAAGF	45	0.3000	2.59
7	LRVVPEGLA	2	0.1000	0.86

ALLELE: DRB1_0801 Threshold for 3 % with score: 1.8 Highest Score achievable by any peptide: 8.6

Rank	Sequence	At Position	Score	% of Highest Score
1	MLRVVPEG	0	2.6000	30.23
2	LTARLAAAH	19	2.6000	30.23
3	LGRAGVGVG	71	1.2000	13.95
4	VVPEGLAAA	4	0.6000	6.98
5	VVTAEGVEE	62	0.6000	6.98
6	LAAASAAVE	9	0.3000	3.49
7	LRVVPEGLA	2	0.1000	1.16
8	VITAVVPPA	33	0.1000	1.16

ALLELE: DRB1_0802 Threshold for 3 % with score: 1.0 Highest Score achievable by any peptide: 8

Rank	Sequence	At Position	Score	% of Highest Score
1	LTARLAAAH	19	1.3800	17.25
2	MLRVVPEG	0	1.3000	16.25
3	VVPEGLAAA	4	0.6000	7.50

4	LRVVPEGLA	2	0.1000	1.25
5	VITAVVPPA	33	0.1000	1.25
6	LGRAGVGVG	71	-0.1000	0
7	VEALTARLA	16	-0.8000	0
8	VGVGESGAS	76	-0.9000	0

ALLELE: DRB1_0804 Threshold for 3 % with score: 1.6 Highest Score achievable by any peptide: 8

Rank	Sequence	At Position	Score	% of Highest Score
1	LTARLAAAH	19	2.3800	29.75
2	MLLRVVPEG	0	2.3000	28.75
3	VVPEGLAAA	4	1.6000	20.00
4	LRVVPEGLA	2	1.1000	13.75
5	VITAVVPPA	33	1.1000	13.75
6	LGRAGVGVG	71	0.9000	11.25
7	VEALTARLA	16	0.2000	2.50
8	VGVGESGAS	76	0.1000	1.25
9	VEELGRAGV	68	-0.1000	0

ALLELE: DRB1_0806 Threshold for 3 % with score: 2.4 Highest Score achievable by any peptide: 8.6

Rank	Sequence	At Position	Score	% of Highest Score
1	MLLRVVPEG	0	3.6000	41.86
2	LTARLAAAH	19	3.6000	41.86
3	LGRAGVGVG	71	2.2000	25.58
4	VVPEGLAAA	4	1.6000	18.60
5	VVTAEGVEE	62	1.6000	18.60
6	LAAASAAVE	9	1.3000	15.12
7	LRVVPEGLA	2	1.1000	12.79
8	VITAVVPPA	33	1.1000	12.79
9	VEHAVVTAE	58	0.4000	4.65
10	VEALTARLA	16	0.2000	2.33

ALLELE: DRB1_0813 Threshold for 3 % with score: 1.9 Highest Score achievable by any peptide: 8.7

Rank	Sequence	At Position	Score	% of Highest Score
1	MTLRVVPEG	0	1.5000	17.24
2	LTARLAAAH	19	1.3800	15.86
3	VVPEGLAAA	4	0.6000	6.90
4	VITAVVPPA	33	0.3000	3.45
5	LAAAHASAA	23	-0.5000	0
6	LQTAAGFSA	47	-0.5500	0
7	LRVVPEGLA	2	-0.6000	0
8	FSAQGVEHA	53	-0.8000	0

ALLELE: DRB1_0817 Threshold for 3 % with score: 2.8 Highest Score achievable by any peptide: 10.1

Rank	Sequence	At Position	Score	% of Highest Score
1	MTLRVVPEG	0	3.7500	37.13
2	LTARLAAAH	19	2.6000	25.74
3	LGRAGVGVG	71	1.3000	12.87
4	VITAVVPPA	33	1.2500	12.38
5	VVTAEGVEE	62	1.1000	10.89
6	VVPEGLAAA	4	0.6000	5.94
7	VEHAVVTAE	58	0.5000	4.95
8	LAAASA AVE	9	0.3000	2.97
9	LRVVPEGLA	2	0.2000	1.98

ALLELE: DRB1_1101 Threshold for 3 % with score: 1.1 Highest Score achievable by any peptide: 8.3

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	1.2500	15.06
2	LRVVPEGLA	2	0.3000	3.61
3	VVPEGLAAA	4	-0.1000	0
4	ITAVVPPAA	34	-0.1500	0

5	VEALTARLA	16	-0.2000	0
6	MTLRVVPEG	0	-0.5500	0
7	VEELGRAGV	68	-0.7000	0
8	YLAGDAAAA	85	-0.7000	0

ALLELE: DRB1_1102 Threshold for 3 % with score: 1.8 Highest Score achievable by any peptide: 8.4

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	1.8000	21.43
2	VEALTARLA	16	1.7000	20.24
3	VVPEGLAAA	4	1.5000	17.86
4	LQTAAGFSA	47	1.1000	13.10
5	MTLRVVPEG	0	0.9000	10.71
6	VSLQTAAGF	45	0.3000	3.57
7	LTARLAAAH	19	0.2800	3.33
8	LGRAGVGVG	71	-0.1000	0
9	VVTAEGVEE	62	-0.4000	0

ALLELE: DRB1_1104 Threshold for 3 % with score: 2.0 Highest Score achievable by any peptide: 8.3

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	2.2500	27.11
2	LRVVPEGLA	2	1.3000	15.66
3	LGRAGVGVG	71	1.0000	12.05
4	VVPEGLAAA	4	0.9000	10.84
5	ITAVVPPAA	34	0.8500	10.24
6	VEALTARLA	16	0.8000	9.64
7	MTLRVVPEG	0	0.4500	5.42
8	VEELGRAGV	68	0.3000	3.61
9	LQTAAGFSA	47	0.1000	1.20

ALLELE: DRB1_1106 Threshold for 3 % with score: 2.0 Highest Score achievable by any peptide: 8.3

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	2.2500	27.11
2	LRVVPEGLA	2	1.3000	15.66
3	LGRAGVGVG	71	1.0000	12.05
4	VVPEGLAAA	4	0.9000	10.84
5	ITAVVPPAA	34	0.8500	10.24
6	VEALTARLA	16	0.8000	9.64
7	MLRVVPEG	0	0.4500	5.42
8	VEELGRAGV	68	0.3000	3.61
9	LQTAAGFSA	47	0.1000	1.20

ALLELE: DRB1_1107 Threshold for 3 % with score: 2.1 Highest Score achievable by any peptide: 9.1

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	3.0000	32.97
2	LAGDAAAAA	86	2.5000	27.47
3	VGVGESGAS	76	2.2000	24.18
4	VVPEGLAAA	4	1.6000	17.58
5	LGRAGVGVG	71	1.5000	16.48
6	LRVVPEGLA	2	1.4000	15.38
7	ITAVVPPAA	34	1.2000	13.19
8	LQTAAGFSA	47	1.0000	10.99
9	MLRVVPEG	0	0.9000	9.89
10	YLAGDAAAA	85	0.5000	5.49

ALLELE: DRB1_1114 Threshold for 3 % with score: 1.3 Highest Score achievable by any peptide: 8.4

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	0.8000	9.52
2	VEALTARLA	16	0.7000	8.33
3	VVPEGLAAA	4	0.5000	5.95

4	FSAQGVEHA	53	0.5000	5.95
5	LQTAAGFSA	47	0.1000	1.19
6	MLLRVVPEG	0	-0.1000	0
7	YLAGDAAAA	85	-0.5000	0
8	VSLQTAAGF	45	-0.7000	0
9	LTARLAAAH	19	-0.7200	0

ALLELE: DRB1_1120		Threshold for 3 % with score: 2.1	Highest Score achievable by any peptide: 8.8	
Rank	Sequence	At Position	Score	% of Highest Score
1	MLLRVVPEG	0	1.3000	14.77
2	VSLQTAAGF	45	1.2000	13.64
3	VITAVVPPA	33	0.8000	9.09
4	VEALTARLA	16	0.7000	7.95
5	VVPEGLAAA	4	0.5000	5.68
6	FSAQGVEHA	53	0.5000	5.68
7	LGRAGVGVG	71	0.3000	3.41
8	LQTAAGFSA	47	0.1000	1.14

ALLELE: DRB1_1121		Threshold for 3 % with score: 1.8	Highest Score achievable by any peptide: 8.4	
Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	1.8000	21.43
2	VEALTARLA	16	1.7000	20.24
3	VVPEGLAAA	4	1.5000	17.86
4	LQTAAGFSA	47	1.1000	13.10
5	MLLRVVPEG	0	0.9000	10.71
6	VSLQTAAGF	45	0.3000	3.57
7	LTARLAAAH	19	0.2800	3.33
8	LGRAGVGVG	71	-0.1000	0
9	VVTAEGVEE	62	-0.4000	0

ALLELE: DRB1_1128 Threshold for 3 % with score: 2.15 Highest Score achievable by any peptide: 8.7

Rank	Sequence	At Position	Score	% of Highest Score
1	LGRAGVGVG	71	1.4000	16.09
2	VITAVVPPA	33	1.2500	14.37
3	MLLRVVPEG	0	0.8500	9.77
4	LRVVPEGLA	2	0.3000	3.45
5	VEELGRAGV	68	0.3000	3.45
6	VSLQTAAGF	45	0.2000	2.30
7	VVPEGLAAA	4	-0.1000	0
8	ITAVVPPAA	34	-0.1500	0
9	VEALTARLA	16	-0.2000	0

ALLELE: DRB1_1301 Threshold for 3 % with score: 2.6 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	MLLRVVPEG	0	2.3000	26.14
2	VSLQTAAGF	45	2.2000	25.00
3	VITAVVPPA	33	1.8000	20.45
4	VEALTARLA	16	1.7000	19.32
5	VVPEGLAAA	4	1.5000	17.05
6	LGRAGVGVG	71	1.3000	14.77
7	LQTAAGFSA	47	1.1000	12.50
8	VVTAEGVEE	62	1.0000	11.36
9	VEELGRAGV	68	0.6000	6.82
10	VEHAVVTAE	58	0.3000	3.41

ALLELE: DRB1_1302 Threshold for 3 % with score: 2.1 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	MLLRVVPEG	0	1.3000	14.77
2	VSLQTAAGF	45	1.2000	13.64
3	VITAVVPPA	33	0.8000	9.09

4	VEALTARLA	16	0.7000	7.95
5	VVPEGLAAA	4	0.5000	5.68
6	FSAQGVEHA	53	0.5000	5.68
7	LGRAGVGVG	71	0.3000	3.41
8	LQTAAGFSA	47	0.1000	1.14

ALLELE: DRB1_1304 Threshold for 3 % with score: 2.6 Highest Score achievable by any peptide: 9

Rank	Sequence	At Position	Score	% of Highest Score
1	VVTAEGVEE	62	2.6000	28.89
2	MTLRVVPEG	0	2.2000	24.44
3	VEHAVVTAE	58	1.9000	21.11
4	VITAVVPPA	33	1.8000	20.00
5	VEALTARLA	16	1.7000	18.89
6	VVPEGLAAA	4	1.5000	16.67
7	LTARLAAAH	19	1.5000	16.67
8	LAAASAAVE	9	1.3000	14.44
9	VSLQTAAGF	45	1.2000	13.33
10	LGRAGVGVG	71	1.2000	13.33

ALLELE: DRB1_1305 Threshold for 3 % with score: 2.2 Highest Score achievable by any peptide: 8.7

Rank	Sequence	At Position	Score	% of Highest Score
1	LGRAGVGVG	71	1.4000	16.09
2	VITAVVPPA	33	1.2500	14.37
3	MTLRVVPEG	0	0.8500	9.77
4	LRVVPEGLA	2	0.3000	3.45
5	VEELGRAGV	68	0.3000	3.45
6	VSLQTAAGF	45	0.2000	2.30
7	VVPEGLAAA	4	-0.1000	0
8	ITAVVPPAA	34	-0.1500	0
9	VEALTARLA	16	-0.2000	0

ALLELE: DRB1_1307 Threshold for 3 % with score: 0.6 Highest Score achievable by any peptide: 6.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LRVVPEGLA	2	0.2000	2.94
2	VITAVVPPA	33	0.1000	1.47
3	VVPEGLAAA	4	-0.1000	0
4	LGRAGVGVG	71	-0.1000	0
5	VEALTARLA	16	-0.4000	0
6	VEELGRAGV	68	-0.7000	0
7	YLAGDAAAA	85	-0.7000	0
8	ITAVVPPAA	34	-1.3000	0
9	LQTAAGFSA	47	-1.4000	0

ALLELE: DRB1_1311 Threshold for 3 % with score: 2.0 Highest Score achievable by any peptide: 8.3

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	2.2500	27.11
2	LRVVPEGLA	2	1.3000	15.66
3	LGRAGVGVG	71	1.0000	12.05
4	VVPEGLAAA	4	0.9000	10.84
5	ITAVVPPAA	34	0.8500	10.24
6	VEALTARLA	16	0.8000	9.64
7	MTLRVVPEG	0	0.4500	5.42
8	VEELGRAGV	68	0.3000	3.61
9	LQTAAGFSA	47	0.1000	1.20

ALLELE: DRB1_1321 Threshold for 3 % with score: 2.2 Highest Score achievable by any peptide: 8.9

Rank	Sequence	At Position	Score	% of Highest Score
1	LGRAGVGVG	71	1.3000	14.61
2	VITAVVPPA	33	1.2500	14.04
3	VVTAEGVEE	62	1.1000	12.36

4	MTLRVVPEG	0	0.7500	8.43
5	VEHAVVTAE	58	0.5000	5.62
6	LRVVPEGLA	2	0.3000	3.37
7	LAAASAAVE	9	0.3000	3.37
8	VVPEGLAAA	4	-0.1000	0
9	ITAVVPPAA	34	-0.1500	0

ALLELE: DRB1_1322 Threshold for 3 % with score: 1.8 Highest Score achievable by any peptide: 8.4

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	1.8000	21.43
2	VEALTARLA	16	1.7000	20.24
3	VVPEGLAAA	4	1.5000	17.86
4	LQTAAGFSA	47	1.1000	13.10
5	MTLRVVPEG	0	0.9000	10.71
6	VSLQTAAGF	45	0.3000	3.57
7	LTARLAAAH	19	0.2800	3.33
8	LGRAGVGVG	71	-0.1000	0
9	VVTAEGVEE	62	-0.4000	0

ALLELE: DRB1_1323 Threshold for 3 % with score: 1.3 Highest Score achievable by any peptide: 8.4

Rank	Sequence	At Position	Score	% of Highest Score
1	VITAVVPPA	33	0.8000	9.52
2	VEALTARLA	16	0.7000	8.33
3	VVPEGLAAA	4	0.5000	5.95
4	FSAQGVEHA	53	0.5000	5.95
5	LQTAAGFSA	47	0.1000	1.19
6	MTLRVVPEG	0	-0.1000	0
7	YLAGDAAAA	85	-0.5000	0
8	VSLQTAAGF	45	-0.7000	0
9	LTARLAAAH	19	-0.7200	0

ALLELE: DRB1_1327 Threshold for 3 % with score: 2.6 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	MLLRVVPEG	0	2.3000	26.14
2	VSLQTAAGF	45	2.2000	25.00
3	VITAVVPPA	33	1.8000	20.45
4	VEALTARLA	16	1.7000	19.32
5	VVPEGLAAA	4	1.5000	17.05
6	LGRAGVGVG	71	1.3000	14.77
7	LQTAAGFSA	47	1.1000	12.50
8	VVTAEGVEE	62	1.0000	11.36
9	VEELGRAGV	68	0.6000	6.82
10	VEHAVVTAE	58	0.3000	3.41

ALLELE: DRB1_1328 Threshold for 3 % with score: 2.6 Highest Score achievable by any peptide: 8.8

Rank	Sequence	At Position	Score	% of Highest Score
1	MLLRVVPEG	0	2.3000	26.14
2	VSLQTAAGF	45	2.2000	25.00
3	VITAVVPPA	33	1.8000	20.45
4	VEALTARLA	16	1.7000	19.32
5	VVPEGLAAA	4	1.5000	17.05
6	LGRAGVGVG	71	1.3000	14.77
7	LQTAAGFSA	47	1.1000	12.50
8	VVTAEGVEE	62	1.0000	11.36
9	VEELGRAGV	68	0.6000	6.82
10	VEHAVVTAE	58	0.3000	3.41

ALLELE: DRB1_1501 Threshold for 3 % with score: 3.25 Highest Score achievable by any peptide: 9.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LQTAAGFSA	47	3.1000	31.63

2	VVPEGLAAA	4	2.0000	20.41
3	LRVVPEGLA	2	1.9000	19.39
4	VVPPAADPV	37	1.7000	17.35
5	VGVGESGAS	76	1.3000	13.27
6	VITAVVPPA	33	1.1000	11.22
7	VVTAEGVEE	62	1.0000	10.20
8	VEELGRAGV	68	0.7000	7.14
9	MTLRVVPEG	0	0.4000	4.08
10	LAAAHASAA	23	0.3000	3.06

ALLELE: DRB1_1502 Threshold for 3 % with score: 3.25 Highest Score achievable by any peptide: 9.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LQTAAGFSA	47	2.1000	21.43
2	VVPEGLAAA	4	1.0000	10.20
3	YLAGDAAAA	85	1.0000	10.20
4	LRVVPEGLA	2	0.9000	9.18
5	VVPPAADPV	37	0.7000	7.14
6	VGVGESGAS	76	0.3000	3.06
7	VITAVVPPA	33	0.1000	1.02
8	VEELGRAGV	68	-0.3000	0

ALLELE: DRB1_1506 Threshold for 3 % with score: 3.1 Highest Score achievable by any peptide: 9.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LQTAAGFSA	47	3.1000	31.63
2	VVPEGLAAA	4	2.0000	20.41
3	LRVVPEGLA	2	1.9000	19.39
4	VVPPAADPV	37	1.7000	17.35
5	VGVGESGAS	76	1.3000	13.27
6	VITAVVPPA	33	1.1000	11.22
7	VVTAEGVEE	62	1.0000	10.20
8	VEELGRAGV	68	0.7000	7.14

9	MTLRVVPEG	0	0.4000	4.08
10	LAAAHASAA	23	0.3000	3.06

ALLELE: DRB5_0101 Threshold for 3 % with score: 2.3 Highest Score achievable by any peptide: 9.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LRVVPEGLA	2	1.4000	14.29
2	LQTAAGFSA	47	1.4000	14.29
3	VEALTARLA	16	1.0000	10.20
4	VSLQTAAGF	45	0.2000	2.04
5	VVTAEGVEE	62	-0.1000	0
6	LGRAGVGVG	71	-0.1000	0
7	ITAVVPPAA	34	-0.3000	0
8	YLAGDAAAA	85	-0.6000	0
9	VGVGESGAS	76	-0.8000	0

ALLELE: DRB5_0105 Threshold for 3 % with score: 2.3 Highest Score achievable by any peptide: 9.8

Rank	Sequence	At Position	Score	% of Highest Score
1	LRVVPEGLA	2	1.4000	14.29
2	LQTAAGFSA	47	1.4000	14.29
3	VEALTARLA	16	1.0000	10.20
4	VSLQTAAGF	45	0.2000	2.04
5	VVTAEGVEE	62	-0.1000	0
6	LGRAGVGVG	71	-0.1000	0
7	ITAVVPPAA	34	-0.3000	0
8	YLAGDAAAA	85	-0.6000	0
9	VGVGESGAS	76	-0.8000	0