

MHC Class-II Binding Peptide Prediction Results

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INPUT & PARAMETER INFORMATION

Antigen Name	test
Scanned on	Tue Feb 23 17:14:00 2010
Length of input sequence	99 amino acids
Number of nanomers from input sequence	91
Number of nanomers with obligatory P1 anchor residue	18
Threshold setting	3
Number of alleles in query	51
Number of top scorers to be displayed	9

ALLELE: DRB1_0101	Threshold for 3 % with score: 0.14	Highest Score achievable by any peptide: 6
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Rank	Sequence	At Position	Score	% of Highest Score
1	WRGAAGTAA	42	2.1900	36.50
2	VRFQEANK	55	0.4000	6.67
3	VVRFQEAN	54	-1.7200	0
4	MKTDAATLA	3	-2.2100	0
5	LQGQWRGAA	38	-2.4000	0
6	FERISGDLK	17	-2.7000	0
7	FQEAANKQK	57	-3.0000	0

ALLELE: DRB1_0102	Threshold for 3 % with score: 0.7	Highest Score achievable by any peptide: 6
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Rank	Sequence	At Position	Score	% of Highest Score
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1	VRFQEANK	55	1.4000	23.33
2	WRGAAGTAA	42	1.1900	19.83
3	IRQAGVQYS	75	1.0000	16.67
4	VVRFQEANK	54	-0.7200	0
5	MKTDAATLA	3	-1.2100	0
6	LQGQWRGAA	38	-1.4000	0
7	LAQEAGNFE	10	-2.5000	0
8	VQYSRADEE	80	-2.6000	0

ALLELE: DRB1_0301	Threshold for 3 % with score: 2.96	Highest Score achievable by any peptide: 9.5
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.4000	46.32
2	ISGDLKTQI	20	4.0000	42.11
3	MKTDAATLA	3	3.3000	34.74
4	VRFQEANK	55	2.8000	29.47
5	LQGQWRGAA	38	2.5000	26.32
6	VQYSRADEE	80	1.8000	18.95
7	ISTNIRQAG	71	1.2000	12.63
8	WRGAAGTAA	42	0.6000	6.32

ALLELE: DRB1_0305	Threshold for 3 % with score: 1.7	Highest Score achievable by any peptide: 9.1
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.0000	32.97
2	MKTDAATLA	3	2.3000	25.27
3	ISGDLKTQI	20	2.1000	23.08
4	VRFQEANK	55	1.7000	18.68
5	WRGAAGTAA	42	1.6000	17.58
6	LQGQWRGAA	38	1.5000	16.48
7	FERISGDLK	17	-0.3000	0
8	VQYSRADEE	80	-0.6000	0

ALLELE: DRB1_0306	Threshold for 3 % with score: 2.08	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.1000	46.59
2	MKTDAATLA	3	3.3000	37.50
3	ISGDLKTQI	20	3.1000	35.23
4	VRFQEAANK	55	2.7000	30.68
5	LQGQWRGAA	38	1.1000	12.50
6	VQYSRADEE	80	0.7000	7.95
7	WRGAAGTAA	42	0.6000	6.82
8	ISTNIRQAG	71	-0.1000	0

ALLELE: DRB1_0307	Threshold for 3 % with score: 2.08	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.1000	46.59
2	MKTDAATLA	3	3.3000	37.50
3	ISGDLKTQI	20	3.1000	35.23
4	VRFQEAANK	55	2.7000	30.68
5	LQGQWRGAA	38	1.1000	12.50
6	VQYSRADEE	80	0.7000	7.95
7	WRGAAGTAA	42	0.6000	6.82
8	ISTNIRQAG	71	-0.1000	0

ALLELE: DRB1_0308	Threshold for 3 % with score: 2.08	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.1000	46.59
2	MKTDAATLA	3	3.3000	37.50
3	ISGDLKTQI	20	3.1000	35.23
4	VRFQEAANK	55	2.7000	30.68
5	LQGQWRGAA	38	1.1000	12.50

6	VQYSRADEE	80	0.7000	7.95
7	WRGAAGTAA	42	0.6000	6.82
8	ISTNIRQAG	71	-0.1000	0

ALLELE: DRB1_0309	Threshold for 3 % with score: 2.4	Highest Score achievable by any peptide: 9.5
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.4000	35.79
2	ISGDLKTQI	20	3.0000	31.58
3	MKTDAATLA	3	2.3000	24.21
4	VRFQEAANK	55	1.8000	18.95
5	WRGAAGTAA	42	1.6000	16.84
6	LQGQWRGAA	38	1.5000	15.79
7	VQYSRADEE	80	0.8000	8.42
8	ISTNIRQAG	71	0.2000	2.11

ALLELE: DRB1_0311	Threshold for 3 % with score: 2.08	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.1000	46.59
2	MKTDAATLA	3	3.3000	37.50
3	ISGDLKTQI	20	3.1000	35.23
4	VRFQEAANK	55	2.7000	30.68
5	LQGQWRGAA	38	1.1000	12.50
6	VQYSRADEE	80	0.7000	7.95
7	WRGAAGTAA	42	0.6000	6.82
8	ISTNIRQAG	71	-0.1000	0

ALLELE: DRB1_0401	Threshold for 3 % with score: 1.48	Highest Score achievable by any peptide: 8.6
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Rank	Sequence	At Position	Score	% of Highest Score
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1	IRQAGVQYS	75	2.8000	32.56
2	VRFQEAAANK	55	2.5000	29.07
3	MKTDAATLA	3	1.4000	16.28
4	WRGAAGTAA	42	0.8000	9.30
5	FQEAAANKQK	57	0.7000	8.14
6	MAEMKTDAA	0	0.3000	3.49
7	VQYSRADEE	80	-0.2000	0
8	FERISGDLK	17	-0.5000	0

ALLELE: DRB1_0402	Threshold for 3 % with score: 1.8	Highest Score achievable by any peptide: 9.6
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.9000	51.04
2	VRFQEAAANK	55	2.3000	23.96
3	VVRFQEAAAN	54	-0.7000	0
4	MAEMKTDAA	0	-0.8000	0
5	LDEISTNIR	68	-0.9200	0
6	LKTQIDQVE	24	-1.0000	0

ALLELE: DRB1_0404	Threshold for 3 % with score: 1.8	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.6000	40.91
2	VRFQEAAANK	55	2.7000	30.68
3	MAEMKTDAA	0	1.3000	14.77
4	MKTDAATLA	3	0.4000	4.55
5	WRGAAGTAA	42	0.3000	3.41
6	LDEISTNIR	68	0.2000	2.27
7	IDQVESTAG	28	-0.4000	0

ALLELE: DRB1_0405	Threshold for 3 % with score: 2.0	Highest Score achievable by any peptide: 9.4
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.6000	27.66
2	WRGAAGTAA	42	1.3000	13.83
3	VVRFQEAAAN	54	1.0000	10.64
4	VRFQEAAANK	55	1.0000	10.64
5	VQYSRADEE	80	0.4000	4.26
6	MAEMKTDAA	0	0.3000	3.19
7	LKTQIDQVE	24	0.1000	1.06
8	IDQVESTAG	28	-0.1000	0

ALLELE: DRB1_0408	Threshold for 3 % with score: 1.2	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.6000	29.55
2	VRFQEAAANK	55	1.7000	19.32
3	WRGAAGTAA	42	1.3000	14.77
4	MAEMKTDAA	0	0.3000	3.41
5	FQEAAANKQK	57	-0.3000	0
6	MKTDAAATLA	3	-0.6000	0
7	LDEISTNIR	68	-0.8000	0
8	VVRFQEAAAN	54	-1.0000	0

ALLELE: DRB1_0410	Threshold for 3 % with score: 2.6	Highest Score achievable by any peptide: 9.4
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.6000	38.30
2	VVRFQEAAAN	54	2.0000	21.28
3	VRFQEAAANK	55	2.0000	21.28
4	VQYSRADEE	80	1.4000	14.89
5	MAEMKTDAA	0	1.3000	13.83
6	LKTQIDQVE	24	1.1000	11.70
7	IDQVESTAG	28	0.9000	9.57
8	MKTDAAATLA	3	0.4000	4.26
9	WRGAAGTAA	42	0.3000	3.19

ALLELE: DRB1_0421	Threshold for 3 % with score: 2.3	Highest Score achievable by any peptide: 9
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.2000	35.56
2	VRFQEAANK	55	2.6000	28.89
3	MKTDAATLA	3	1.4000	15.56
4	VQYSRADEE	80	1.2000	13.33
5	WRGAAGTAA	42	0.8000	8.89
6	FQEAANKQK	57	0.8000	8.89
7	MAEMKTDAA	0	0.3000	3.33
8	LDEISTNIR	68	0.3000	3.33

ALLELE: DRB1_0423	Threshold for 3 % with score: 1.68	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.6000	40.91
2	VRFQEAANK	55	2.7000	30.68
3	MAEMKTDAA	0	1.3000	14.77
4	MKTDAATLA	3	0.4000	4.55
5	WRGAAGTAA	42	0.3000	3.41
6	LDEISTNIR	68	0.2000	2.27
7	IDQVESTAG	28	-0.4000	0

ALLELE: DRB1_0426	Threshold for 3 % with score: 1.6	Highest Score achievable by any peptide: 8.6
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.8000	32.56
2	VRFQEAANK	55	2.5000	29.07
3	MKTDAATLA	3	1.4000	16.28
4	WRGAAGTAA	42	0.8000	9.30
5	FQEAANKQK	57	0.7000	8.14

6	MAEMKTDAA	0	0.3000	3.49
7	VQYSRADEE	80	-0.2000	0
8	FERISGDLK	17	-0.5000	0

ALLELE: DRB1_0701	Threshold for 3 % with score: 4.1	Highest Score achievable by any peptide: 11.6
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Rank	Sequence	At Position	Score	% of Highest Score
1	WRGAAGTAA	42	2.7000	23.28
2	IRQAGVQYS	75	2.1000	18.10
3	VQYSRADEE	80	0.9000	7.76
4	ISGDLKTQI	20	0.5000	4.31
5	VESTAGSLQ	31	-0.4000	0
6	IDQVESTAG	28	-0.5000	0
7	MKTDAAATLA	3	-0.6000	0
8	VRFQEAANK	55	-0.6000	0

ALLELE: DRB1_0703	Threshold for 3 % with score: 4.0	Highest Score achievable by any peptide: 11.6
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Rank	Sequence	At Position	Score	% of Highest Score
1	WRGAAGTAA	42	2.7000	23.28
2	IRQAGVQYS	75	2.1000	18.10
3	VQYSRADEE	80	0.9000	7.76
4	ISGDLKTQI	20	0.5000	4.31
5	VESTAGSLQ	31	-0.4000	0
6	IDQVESTAG	28	-0.5000	0
7	MKTDAAATLA	3	-0.6000	0
8	VRFQEAANK	55	-0.6000	0

ALLELE: DRB1_0801	Threshold for 3 % with score: 1.8	Highest Score achievable by any peptide: 8.6
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Rank	Sequence	At Position	Score	% of Highest Score
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1	IRQAGVQYS	75	1.9000	22.09
2	VVRFQEAAAN	54	1.5000	17.44
3	LQGQWRGAA	38	-0.1000	0
4	WRGAAGTAA	42	-0.7000	0
5	VQYSRADEE	80	-1.1000	0
6	ISTNIRQAG	71	-1.2000	0
7	YSRADEEQQ	82	-2.1000	0

ALLELE: DRB1_0802	Threshold for 3 % with score: 1.0	Highest Score achievable by any peptide: 8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	1.9000	23.75
2	VRFQEAAANK	55	0.7000	8.75
3	LQGQWRGAA	38	-0.1000	0
4	VVRFQEAAAN	54	-0.5000	0
5	WRGAAGTAA	42	-0.7000	0
6	FQEAAANKQK	57	-1.7000	0
7	FERISGDLK	17	-2.3000	0
8	MAEMKTDAE	0	-2.4000	0

ALLELE: DRB1_0804	Threshold for 3 % with score: 1.6	Highest Score achievable by any peptide: 8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.9000	36.25
2	VRFQEAAANK	55	1.7000	21.25
3	LQGQWRGAA	38	0.9000	11.25
4	VVRFQEAAAN	54	0.5000	6.25
5	MAEMKTDAE	0	-1.4000	0
6	ISTNIRQAG	71	-1.5000	0
7	WRGAAGTAA	42	-1.7000	0
8	VESTAGSLQ	31	-2.2000	0

ALLELE: DRB1_0806	Threshold for 3 % with score: 2.4	Highest Score achievable by any peptide: 8.6
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.9000	33.72
2	VVRFQEAAAN	54	2.5000	29.07
3	VRFQEAAANK	55	1.0000	11.63
4	LQGQWRGAA	38	0.9000	10.47
5	VQYSRADEE	80	-0.1000	0
6	ISTNIRQAG	71	-0.2000	0
7	MAEMKTDAA	0	-1.4000	0
8	VESTAGSLQ	31	-1.4000	0

ALLELE: DRB1_0813	Threshold for 3 % with score: 1.9	Highest Score achievable by any peptide: 8.7
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.9000	33.33
2	WRGAAGTAA	42	2.1000	24.14
3	VRFQEAAANK	55	0.7000	8.05
4	MKTDAAATLA	3	-0.5000	0
5	VVRFQEAAAN	54	-0.5000	0
6	ISGDLKTQI	20	-0.7000	0
7	LQGQWRGAA	38	-0.8000	0
8	FERISGDLK	17	-1.1000	0

ALLELE: DRB1_0817	Threshold for 3 % with score: 2.8	Highest Score achievable by any peptide: 10.1
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.0000	19.80
2	VVRFQEAAAN	54	1.5000	14.85
3	WRGAAGTAA	42	0.4000	3.96
4	YSRADEEQQ	82	-1.0000	0
5	ISTNIRQAG	71	-1.1000	0
6	VQYSRADEE	80	-1.4000	0

ALLELE: DRB1_1101	Threshold for 3 % with score: 1.1	Highest Score achievable by any peptide: 8.3
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.0000	24.10
2	VRFQEAANK	55	1.3000	15.66
3	LQGQWRGAA	38	0.6000	7.23
4	WRGAAGTAA	42	0.4000	4.82
5	VVRFQEAN	54	-0.6000	0
6	FQEANKQK	57	-1.1000	0
7	YSRADEEQQ	82	-1.8000	0
8	FERISGLK	17	-2.0000	0

ALLELE: DRB1_1102	Threshold for 3 % with score: 1.8	Highest Score achievable by any peptide: 8.4
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.7000	44.05
2	VRFQEAANK	55	3.3000	39.29
3	LQGQWRGAA	38	1.5000	17.86
4	VVRFQEAN	54	0.8000	9.52
5	WRGAAGTAA	42	-0.2000	0
6	ISTNIRQAG	71	-0.6000	0
7	MAEMKTDAA	0	-1.1000	0
8	MKTDAAATLA	3	-1.2000	0

ALLELE: DRB1_1104	Threshold for 3 % with score: 2.0	Highest Score achievable by any peptide: 8.3
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.0000	36.14
2	VRFQEAANK	55	2.3000	27.71
3	LQGQWRGAA	38	1.6000	19.28
4	VVRFQEAN	54	0.4000	4.82

5	WRGAAGTAA	42	-0.6000	0
6	ISTNIRQAG	71	-1.4000	0
7	VESTAGSLQ	31	-1.8000	0
8	MKTDAATLA	3	-1.9000	0

ALLELE: DRB1_1106	Threshold for 3 % with score: 2.0	Highest Score achievable by any peptide: 8.3
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.0000	36.14
2	VRFQEAANK	55	2.3000	27.71
3	LQGQWRGAA	38	1.6000	19.28
4	VVRFQEAAN	54	0.4000	4.82
5	WRGAAGTAA	42	-0.6000	0
6	ISTNIRQAG	71	-1.4000	0
7	VESTAGSLQ	31	-1.8000	0
8	MKTDAATLA	3	-1.9000	0

ALLELE: DRB1_1107	Threshold for 3 % with score: 2.1	Highest Score achievable by any peptide: 9.1
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.0000	43.96
2	MKTDAATLA	3	3.3000	36.26
3	ISGDLKTQI	20	3.1000	34.07
4	VRFQEAANK	55	2.7000	29.67
5	LQGQWRGAA	38	2.5000	27.47
6	WRGAAGTAA	42	0.6000	6.59
7	VQYSRADEE	80	0.4000	4.40
8	ISTNIRQAG	71	-0.2000	0

ALLELE: DRB1_1114	Threshold for 3 % with score: 1.3	Highest Score achievable by any peptide: 8.4
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.7000	32.14
2	VRFQEAAANK	55	2.3000	27.38
3	WRGAAGTAA	42	0.8000	9.52
4	LQGQWRGAA	38	0.5000	5.95
5	VVRFQEAAAN	54	-0.2000	0
6	FQEAAANKQK	57	-0.9000	0
7	YSRADEEQQ	82	-1.5000	0
8	ISTNIRQAG	71	-1.6000	0

ALLELE: DRB1_1120	Threshold for 3 % with score: 2.1	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.1000	35.23
2	VRFQEAAANK	55	2.4000	27.27
3	WRGAAGTAA	42	0.8000	9.09
4	VVRFQEAAAN	54	0.6000	6.82
5	LQGQWRGAA	38	0.5000	5.68
6	ISTNIRQAG	71	-0.2000	0
7	FQEAAANKQK	57	-0.8000	0
8	VQYSRADEE	80	-1.4000	0

ALLELE: DRB1_1121	Threshold for 3 % with score: 1.8	Highest Score achievable by any peptide: 8.4
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.7000	44.05
2	VRFQEAAANK	55	3.3000	39.29
3	LQGQWRGAA	38	1.5000	17.86
4	VVRFQEAAAN	54	0.8000	9.52
5	WRGAAGTAA	42	-0.2000	0
6	ISTNIRQAG	71	-0.6000	0
7	MAEMKTDAA	0	-1.1000	0
8	MKTDAAATLA	3	-1.2000	0

ALLELE: DRB1_1128	Threshold for 3 % with score: 2.15	Highest Score achievable by any peptide: 8.7
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.4000	27.59
2	VRFQEANK	55	1.4000	16.09
3	LQGQWRGAA	38	0.6000	6.90
4	WRGAAGTAA	42	0.4000	4.60
5	VVRFQEAAAN	54	0.2000	2.30
6	FQEANKQK	57	-1.0000	0
7	ISTNIRQAG	71	-1.0000	0
8	FERISGDLK	17	-1.9000	0

ALLELE: DRB1_1301	Threshold for 3 % with score: 2.6	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.1000	46.59
2	VRFQEANK	55	3.4000	38.64
3	VVRFQEAAAN	54	1.6000	18.18
4	LQGQWRGAA	38	1.5000	17.05
5	ISTNIRQAG	71	0.8000	9.09
6	WRGAAGTAA	42	-0.2000	0
7	VQYSRADEE	80	-0.4000	0
8	ISGDLKTQI	20	-0.5000	0

ALLELE: DRB1_1302	Threshold for 3 % with score: 2.1	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.1000	35.23
2	VRFQEANK	55	2.4000	27.27
3	WRGAAGTAA	42	0.8000	9.09
4	VVRFQEAAAN	54	0.6000	6.82
5	LQGQWRGAA	38	0.5000	5.68

6	ISTNIRQAG	71	-0.2000	0
7	FQEAANKQK	57	-0.8000	0
8	VQYSRADEE	80	-1.4000	0

ALLELE: DRB1_1304	Threshold for 3 % with score: 2.6	Highest Score achievable by any peptide: 9
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.7000	41.11
2	VVRFQEAAN	54	2.8000	31.11
3	VRFQEAANK	55	2.6000	28.89
4	LQGQWRGAA	38	1.5000	16.67
5	VQYSRADEE	80	1.2000	13.33
6	ISTNIRQAG	71	0.7000	7.78
7	LKTQIDQVE	24	0.2000	2.22
8	WRGAAGTAA	42	-0.2000	0

ALLELE: DRB1_1305	Threshold for 3 % with score: 2.2	Highest Score achievable by any peptide: 8.7
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.4000	27.59
2	VRFQEAANK	55	1.4000	16.09
3	LQGQWRGAA	38	0.6000	6.90
4	WRGAAGTAA	42	0.4000	4.60
5	VVRFQEAAN	54	0.2000	2.30
6	FQEAANKQK	57	-1.0000	0
7	ISTNIRQAG	71	-1.0000	0
8	FERISGDLK	17	-1.9000	0

ALLELE: DRB1_1307	Threshold for 3 % with score: 0.6	Highest Score achievable by any peptide: 6.8
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Rank	Sequence	At Position	Score	% of Highest Score
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1	IRQAGVQYS	75	1.9000	27.94
2	VRFQEAAANK	55	1.3000	19.12
3	LQGQWRGAA	38	0.5000	7.35
4	VVRFQEAAAN	54	-0.6000	0
5	WRGAAGTAA	42	-0.7000	0
6	FERISGDLK	17	-1.7000	0
7	FQEAAANKQK	57	-1.7000	0
8	ISTNIRQAG	71	-2.5000	0

ALLELE: DRB1_1311	Threshold for 3 % with score: 2.0	Highest Score achievable by any peptide: 8.3
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.0000	36.14
2	VRFQEAAANK	55	2.3000	27.71
3	LQGQWRGAA	38	1.6000	19.28
4	VVRFQEAAAN	54	0.4000	4.82
5	WRGAAGTAA	42	-0.6000	0
6	ISTNIRQAG	71	-1.4000	0
7	VESTAGSLQ	31	-1.8000	0
8	MKTDAATLA	3	-1.9000	0

ALLELE: DRB1_1321	Threshold for 3 % with score: 2.2	Highest Score achievable by any peptide: 8.9
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.0000	22.47
2	VVRFQEAAAN	54	1.4000	15.73
3	LQGQWRGAA	38	0.6000	6.74
4	VRFQEAAANK	55	0.6000	6.74
5	WRGAAGTAA	42	0.4000	4.49
6	YSRADEEQQ	82	-1.0000	0
7	ISTNIRQAG	71	-1.1000	0
8	VQYSRADEE	80	-1.1000	0

ALLELE: DRB1_1322	Threshold for 3 % with score: 1.8	Highest Score achievable by any peptide: 8.4
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	3.7000	44.05
2	VRFQEANK	55	3.3000	39.29
3	LQGQWRGAA	38	1.5000	17.86
4	VVRFQEAAAN	54	0.8000	9.52
5	WRGAAGTAA	42	-0.2000	0
6	ISTNIRQAG	71	-0.6000	0
7	MAEMKTDAA	0	-1.1000	0
8	MKTDAATLA	3	-1.2000	0

ALLELE: DRB1_1323	Threshold for 3 % with score: 1.3	Highest Score achievable by any peptide: 8.4
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	2.7000	32.14
2	VRFQEANK	55	2.3000	27.38
3	WRGAAGTAA	42	0.8000	9.52
4	LQGQWRGAA	38	0.5000	5.95
5	VVRFQEAAAN	54	-0.2000	0
6	FQEANKQK	57	-0.9000	0
7	YSRADEEQQ	82	-1.5000	0
8	ISTNIRQAG	71	-1.6000	0

ALLELE: DRB1_1327	Threshold for 3 % with score: 2.6	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.1000	46.59
2	VRFQEANK	55	3.4000	38.64
3	VVRFQEAAAN	54	1.6000	18.18
4	LQGQWRGAA	38	1.5000	17.05
5	ISTNIRQAG	71	0.8000	9.09

6	WRGAAGTAA	42	-0.2000	0
7	VQYSRADEE	80	-0.4000	0
8	ISGDLKTQI	20	-0.5000	0

ALLELE: DRB1_1328	Threshold for 3 % with score: 2.6	Highest Score achievable by any peptide: 8.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	IRQAGVQYS	75	4.1000	46.59
2	VRFQEANK	55	3.4000	38.64
3	VVRFQEAN	54	1.6000	18.18
4	LQQQWRGAA	38	1.5000	17.05
5	ISTNIRQAG	71	0.8000	9.09
6	WRGAAGTAA	42	-0.2000	0
7	VQYSRADEE	80	-0.4000	0
8	ISGDLKTQI	20	-0.5000	0

ALLELE: DRB1_1501	Threshold for 3 % with score: 3.25	Highest Score achievable by any peptide: 9.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	VVRFQEAN	54	3.0000	30.61
2	WRGAAGTAA	42	2.1000	21.43
3	LQQQWRGAA	38	1.6000	16.33
4	IRQAGVQYS	75	1.3000	13.27
5	MKTDAATLA	3	0.9000	9.18
6	VRFQEANK	55	0.5000	5.10
7	ISGDLKTQI	20	0.1000	1.02
8	ISTNIRQAG	71	-0.6000	0

ALLELE: DRB1_1502	Threshold for 3 % with score: 3.25	Highest Score achievable by any peptide: 9.8
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Rank	Sequence	At Position	Score	% of Highest Score
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1	WRGAAGTAA	42	3.1000	31.63
2	VVRFQEAAAN	54	2.0000	20.41
3	LQGQWRGAA	38	0.6000	6.12
4	IRQAGVQYS	75	0.3000	3.06
5	MKTDAATLA	3	-0.1000	0
6	FERISGDLK	17	-0.5000	0
7	VRFQEAAANK	55	-0.5000	0
8	ISGDLKTQI	20	-0.9000	0

ALLELE: DRB1_1506	Threshold for 3 % with score: 3.1	Highest Score achievable by any peptide: 9.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	VVRFQEAAAN	54	3.0000	30.61
2	WRGAAGTAA	42	2.1000	21.43
3	LQGQWRGAA	38	1.6000	16.33
4	IRQAGVQYS	75	1.3000	13.27
5	MKTDAATLA	3	0.9000	9.18
6	VRFQEAAANK	55	0.5000	5.10
7	ISGDLKTQI	20	0.1000	1.02
8	ISTNIRQAG	71	-0.6000	0

ALLELE: DRB5_0101	Threshold for 3 % with score: 2.3	Highest Score achievable by any peptide: 9.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	VRFQEAAANK	55	4.0000	40.82
2	FERISGDLK	17	3.0000	30.61
3	WRGAAGTAA	42	2.4000	24.49
4	FQEAAANKQK	57	2.3000	23.47
5	IRQAGVQYS	75	1.3000	13.27
6	VESTAGSLQ	31	-0.2000	0
7	VVRFQEAAAN	54	-0.8000	0

ALLELE: DRB5_0105	Threshold for 3 % with score: 2.3	Highest Score achievable by any peptide: 9.8
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Rank	Sequence	At Position	Score	% of Highest Score
1	VRFQEAANK	55	4.0000	40.82
2	FERISGDLK	17	3.0000	30.61
3	WRGAAGTAA	42	2.4000	24.49
4	FQEAANKQK	57	2.3000	23.47
5	IRQAGVQYS	75	1.3000	13.27
6	VESTAGSLQ	31	-0.2000	0
7	VVRFQEAAN	54	-0.8000	0