

Tmpdir made /var/www/services/services/NetMHCII-2.3/tmp/netMHCIIv6S2Un
 # Input is in FSA format

Peptide length 15
 NetMHCII version 2.3.

Strong binder threshold 2.00. Weak binder threshold 10.00.

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Allele      pos      peptide      core Of 1-log50k(aff)
affinity(nM) %Rank Relia Identity Bind Level

DRB1_0101   1      GTLYSASLGGPVIKV  YSASLGGPV  3      0.8114      7.7
1.60 0.73   PBP2X      SB
DRB1_0101   2      TLYSASLGGPVIKVG  YSASLGGPV  2      0.8065      8.1
1.80 0.71   PBP2X      SB
DRB1_0101   3      KDVTTLTSAPIQTYL  YTTLSAPIQ  3      0.8043      8.3
1.90 0.77   PBP2X      SB
DRB1_0101   1      SKTFTLISNRINLLF  FTLISNRIN  3      0.8792      3.7
0.25 0.60   PBP2b      SB
DRB1_0101   2      KTFTLISNRINLLFF  FTLISNRIN  2      0.8694      4.1
0.40 0.56   PBP2b      SB
DRB1_0101   3      QSKTFTLISNRINLL  FTLISNRIN  4      0.8692      4.1
0.40 0.59   PBP2b      SB
DRB1_0101   4      IHIFSQMNATSVFNT  FSQMNATSV  3      0.8457      5.3
0.70 0.85   PBP2b      SB
DRB1_0101   5      IIHIFSQMNATSVFN  FSQMNATSV  4      0.8448      5.4
0.70 0.79   PBP2b      SB
DRB1_0101   6      KIIHIFSQMNATSVF  FSQMNATSV  5      0.8432      5.5
0.80 0.64   PBP2b      SB
DRB1_0101   7      TFTLISNRINLLFFL  FTLISNRIN  1      0.8368      5.8
0.90 0.52   PBP2b      SB
DRB1_0101   8      GQSKTFTLISNRINL  FTLISNRIN  5      0.8339      6.0
1.00 0.64   PBP2b      SB
DRB1_0101   9      HIFSQMNATSVFNTA  FSQMNATSV  2      0.8298      6.3
1.10 0.87   PBP2b      SB
DRB1_0101  10      KKIIHIFSQMNATSV  FSQMNATSV  6      0.8072      8.1
1.80 0.45   PBP2b      SB
DRB1_0101   1      ESDL SMGLANRIAYK  LSMGLANRI  3      0.8689      4.1
0.40 0.90   MurG      SB
DRB1_0101   2      SDLSMGLANRIAYKF  LSMGLANRI  2      0.8640      4.4
0.40 0.89   MurG      SB
DRB1_0101   3      HESDLSMGLANRIAY  LSMGLANRI  4      0.8504      5.0
0.60 0.90   MurG      SB
DRB1_0101   4      KGGFVSVPPVVAANL  FVSVPPVVA  3      0.8472      5.2
0.70 0.92   MurG      SB
DRB1_0101   5      DLSMGLANRIAYKFA  LSMGLANRI  1      0.8412      5.6
0.80 0.85   MurG      SB
DRB1_0101   6      SKGGFVSVPPVVAAN  FVSVPPVVA  4      0.8390      5.7
0.80 0.90   MurG      SB
DRB1_0101   7      VHESDLSMGLANRIA  LSMGLANRI  5      0.8218      6.9
1.30 0.90   MurG      SB
DRB1_0101   8      GGFVSVPPVVAANLL  FVSVPPVVA  2      0.8217      6.9
  
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1.30	0.90	MurG	SB			
DRB1_0101	9	FSKGGFVSVPPVVA	FVSVPPVVA	5	0.8202	7.0
1.30	0.89	MurG	SB			
DRB1_0101	10	NRIAYKFATTMYTTF	YKFATTMYT	4	0.8181	7.2
1.40	0.81	MurG	SB			
DRB1_0101	11	RIAYKFATTMYTTFE	YKFATTMYT	3	0.8158	7.3
1.50	0.84	MurG	SB			
DRB1_0101	1	VADLSVLLAEKIMAK	LSVLLAEKI	3	0.8084	8.0
1.70	0.85	ATP-F	SB			
DRB1_0101	2	ADLSVLLAEKIMAKN	LSVLLAEKI	2	0.8052	8.2
1.90	0.81	ATP-F	SB			
DRB1_0101	1	TAKVKIMPAAYAGPR	VKIMPAAYA	3	0.8961	3.1
0.10	0.93	AGPAT	SB			
DRB1_0101	2	AKVKIMPAAYAGPRS	VKIMPAAYA	2	0.8877	3.4
0.15	0.90	AGPAT	SB			
DRB1_0101	3	KTAKVKIMPAAYAGP	VKIMPAAYA	4	0.8840	3.5
0.17	0.92	AGPAT	SB			
DRB1_0101	4	AKTAKVKIMPAAYAG	VKIMPAAYA	5	0.8826	3.6
0.20	0.90	AGPAT	SB			
DRB1_0101	5	KVKIMPAAYAGPRSI	VKIMPAAYA	1	0.8698	4.1
0.40	0.89	AGPAT	SB			
DRB1_0101	6	VFYTYLRSLLVFLIW	YTYLRSLLV	2	0.8510	5.0
0.60	0.87	AGPAT	SB			
DRB1_0101	7	WSLIYRLPAMVLVAI	IYRLPAMVL	3	0.8350	6.0
0.90	0.69	AGPAT	SB			
DRB1_0101	8	SLIYRLPAMVLVAIV	IYRLPAMVL	2	0.8338	6.0
1.00	0.69	AGPAT	SB			
DRB1_0101	9	IAKTAKVKIMPAAYA	VKIMPAAYA	6	0.8337	6.0
1.00	0.89	AGPAT	SB			
DRB1_0101	10	WWSLIYRLPAMVLVA	IYRLPAMVL	4	0.8302	6.3
1.10	0.69	AGPAT	SB			
DRB1_0101	11	FYTYLRSLLVFLIWA	YTYLRSLLV	1	0.8269	6.5
1.10	0.86	AGPAT	SB			
DRB1_0101	12	DDNYILVAPHRTLWD	YILVAPHRT	3	0.8164	7.3
1.50	0.87	AGPAT	SB			
DRB1_0101	13	EDDNYILVAPHRTLW	YILVAPHRT	4	0.8153	7.4
1.50	0.88	AGPAT	SB			
DRB1_0101	14	DNYILVAPHRTLWDP	YILVAPHRT	2	0.8128	7.6
1.60	0.88	AGPAT	SB			
DRB1_0101	15	SWWSLIYRLPAMVLV	IYRLPAMVL	5	0.8094	7.9
1.70	0.65	AGPAT	SB			
DRB1_0103	1	SKLKNLKKIRITLGE	NLKKIRITL	4	0.3069	1806.3
0.40	0.46	PBP2X	SB			
DRB1_0103	2	GSKLKNLKKIRITLG	NLKKIRITL	5	0.2977	1996.3
0.60	0.41	PBP2X	SB			
DRB1_0103	3	VGSKLKNLKKIRITL	LKNLKKIRI	4	0.2919	2124.0
0.80	0.28	PBP2X	SB			
DRB1_0103	1	LFTVLLLRLAQMQLY	LLRLAQMQL	5	0.2893	2184.7
0.90	0.35	PBP2b	SB			
DRB1_0103	2	ALFTVLLLRLAQMQL	LFTVLLLRL	1	0.2850	2290.3
1.00	0.31	PBP2b	SB			
DRB1_0103	3	FTVLLLRLAQMQLYD	LLRLAQMQL	4	0.2847	2298.2
1.10	0.38	PBP2b	SB			

DRB1_0103	4	SKTFTLISNRINLLF	TFTLISNRI	2	0.2772	2491.3
1.40	0.54	PBP2b	SB			
DRB1_0103	5	KTFTLISNRINLLFF	TFTLISNRI	1	0.2768	2502.2
1.50	0.53	PBP2b	SB			
DRB1_0103	6	TFTLISNRINLLFFL	TFTLISNRI	0	0.2763	2516.3
1.50	0.46	PBP2b	SB			
DRB1_0103	7	FTLISNRINLLFFLI	XFTLISNRI	-1	0.2758	2529.8
1.50	0.32	PBP2b	SB			
DRB1_0103	8	IVALFTVLLLRLAQM	LFTVLLLRL	3	0.2742	2574.2
1.60	0.37	PBP2b	SB			
DRB1_0103	9	TVLLLRLAQMQLYDA	LLRLAQMQL	3	0.2708	2669.0
1.80	0.42	PBP2b	SB			
DRB1_0103	1	SDFDVIFHSIATGKL	DFDVIFHSI	1	0.2936	2085.4
0.80	0.55	MurG	SB			
DRB1_0103	2	DFDVIFHSIATGKLR	DFDVIFHSI	0	0.2908	2150.6
0.80	0.52	MurG	SB			
DRB1_0103	3	PVVAANLLRIPVVFH	AANLLRIPV	3	0.2906	2154.1
0.80	0.41	MurG	SB			
DRB1_0103	4	EQSDFDVIFHSIATG	DFDVIFHSI	3	0.2878	2221.0
0.90	0.60	MurG	SB			
DRB1_0103	5	QSDFDVIFHSIATGK	DFDVIFHSI	2	0.2870	2240.0
1.00	0.56	MurG	SB			
DRB1_0103	6	SLTIMVKVRPQVLFS	IMVKVRPQV	3	0.2769	2498.9
1.50	0.29	MurG	SB			
DRB1_0103	7	PPVVAANLLRIPVFE	AANLLRIPV	4	0.2769	2500.5
1.50	0.38	MurG	SB			
DRB1_0103	8	QSLTIMVKVRPQVL	LTIMVKVRP	2	0.2767	2504.9
1.50	0.26	MurG	SB			
DRB1_0103	9	VVAANLLRIPVFEHE	AANLLRIPV	2	0.2726	2617.1
1.70	0.41	MurG	SB			
DRB1_0103	10	IEQSDFDVIFHSIAT	DFDVIFHSI	4	0.2710	2665.4
1.80	0.58	MurG	SB			
DRB1_0103	11	LQSLTIMVKVRPQVL	LTIMVKVRP	3	0.2708	2671.0
1.90	0.28	MurG	SB			
DRB1_0103	1	EAVRYPVKMLRKSDR	PVKMLRKSD	5	0.3167	1625.5
0.25	0.28	AGPAT	SB			
DRB1_0103	2	TEAVRYPVKMLRKSD	AVRYPVKML	2	0.3117	1715.7
0.30	0.25	AGPAT	SB			
DRB1_0103	3	AVRYPVKMLRKSDRS	PVKMLRKSD	4	0.3089	1767.0
0.40	0.37	AGPAT	SB			
DRB1_0103	4	GTEAVRYPVKMLRKS	GTEAVRYPV	0	0.3064	1815.8
0.40	0.28	AGPAT	SB			
DRB1_0103	5	VRYPVKMLRKSDRSL	PVKMLRKSD	3	0.3023	1899.2
0.50	0.39	AGPAT	SB			
DRB1_0103	6	PGTEAVRYPVKMLRK	GTEAVRYPV	1	0.2888	2198.2
0.90	0.33	AGPAT	SB			
DRB1_0103	7	NPGTEAVRYPVKMLR	GTEAVRYPV	2	0.2860	2264.4
1.00	0.34	AGPAT	SB			
DRB1_0103	8	LIYRLPAMVLVAIVL	IYRLPAMVL	1	0.2818	2370.3
1.20	0.22	AGPAT	SB			
DRB1_0103	9	RYPVKMLRKSDRSLI	PVKMLRKSD	2	0.2761	2520.6
1.50	0.44	AGPAT	SB			
DRB1_0103	10	YPVKMLRKSDRSLIM	PVKMLRKSD	1	0.2759	2525.4
1.50	0.44	AGPAT	SB			

DRB1_0103	11	DGIEEVAHRIEKEFD	GIEEVAHRI	1	0.2697	2700.7
1.90 0.61		AGPAT SB				
DRB1_0301	1	KFLDYVVGDRRVPRE	VVGDRRVPR	5	0.8176	7.2
0.08 0.78		PBP2X SB				
DRB1_0301	2	LDYVVGDRRVPRENR	VVGDRRVPR	3	0.8102	7.8
0.10 0.94		PBP2X SB				
DRB1_0301	3	FLDYVVGDRRVPREN	VVGDRRVPR	4	0.8052	8.2
0.12 0.89		PBP2X SB				
DRB1_0301	4	KKFLDYVVGDRRVPR	VVGDRRVPR	6	0.8009	8.6
0.12 0.68		PBP2X SB				
DRB1_0301	5	DYVVGDRRVPRENRE	VVGDRRVPR	2	0.7742	11.5
0.25 0.94		PBP2X SB				
DRB1_0301	6	FIIIGTDRKFGVNL	IGTDRKFGV	4	0.7358	17.4
0.60 0.56		PBP2X SB				
DRB1_0301	7	IIIGTDRKFGVNLS	IGTDRKFGV	3	0.7224	20.2
0.70 0.62		PBP2X SB				
DRB1_0301	8	NFIIIGTDRKFGVN	IGTDRKFGV	5	0.7194	20.8
0.70 0.55		PBP2X SB				
DRB1_0301	9	FTSVSNDGVMLEPQF	VSNDGVMLE	3	0.7149	21.9
0.80 0.95		PBP2X SB				
DRB1_0301	10	AFTSVSNDGVMLEPQ	VSNDGVMLE	4	0.7064	24.0
0.90 0.95		PBP2X SB				
DRB1_0301	11	YVVGDRRVPRENRER	VVGDRRVPR	1	0.7046	24.4
0.90 0.85		PBP2X SB				
DRB1_0301	12	TSVSNDGVMLEPQFI	VSNDGVMLE	2	0.6910	28.3
1.10 0.93		PBP2X SB				
DRB1_0301	13	RAFTSVSNDGVMLEP	VSNDGVMLE	5	0.6806	31.7
1.30 0.95		PBP2X SB				
DRB1_0301	14	VNFIIIGTDRKFGV	IGTDRKFGV	6	0.6805	31.7
1.30 0.46		PBP2X SB				
DRB1_0301	15	KKKFLDYVVGDRRV	LDYVVGDRR	4	0.6652	37.4
1.60 0.41		PBP2X SB				
DRB1_0301	16	IIIGTDRKFGVNLSK	IGTDRKFGV	2	0.6552	41.7
1.80 0.69		PBP2X SB				
DRB1_0301	1	SHAITRDIINLYQKM	ITRDIINLY	3	0.7109	22.8
0.90 0.90		PBP2b SB				
DRB1_0301	2	TSHAITRDIINLYQK	ITRDIINLY	4	0.7027	24.9
1.00 0.92		PBP2b SB				
DRB1_0301	3	HAITRDIINLYQKMY	ITRDIINLY	2	0.6895	28.8
1.10 0.84		PBP2b SB				
DRB1_0301	4	EGKIISDKTTAKGTK	IISDKTTAK	3	0.6752	33.6
1.40 0.94		PBP2b SB				
DRB1_0301	5	KEGKIISDKTTAKGT	IISDKTTAK	4	0.6666	36.9
1.60 0.94		PBP2b SB				
DRB1_0301	6	TTSHAITRDIINLYQ	ITRDIINLY	5	0.6621	38.7
1.70 0.89		PBP2b SB				
DRB1_0301	7	AITRDIINLYQKMYP	ITRDIINLY	1	0.6547	41.9
1.80 0.69		PBP2b SB				
DRB1_0301	1	YNLLLDITSKSKGK	LLTDITSKS	3	0.7685	12.2
0.30 0.98		MurG SB				
DRB1_0301	2	ESDLSMGLANRIAYK	LLTDITSKS	5	0.7601	13.4
0.40 0.98		MurG SB				
DRB1_0301	3	FYNLLLDITSKSKG	LLTDITSKS	4	0.7590	13.6

0.40	0.98	MurG	SB				
DRB1_0301	4	FNQFISDTPELT	KHY	FISDTPELT	3	0.7238	19.9
0.70	0.88	MurG	SB				
DRB1_0301	5	VFNQFISDTPELT	KH	FISDTPELT	4	0.7184	21.0
0.70	0.91	MurG	SB				
DRB1_0301	6	NQFISDTPELT	KHYN	FISDTPELT	2	0.7066	23.9
0.90	0.87	MurG	SB				
DRB1_0301	7	KVFNQFISDTPELT	K	FISDTPELT	5	0.6904	28.5
1.10	0.91	MurG	SB				
DRB1_0301	8	NDFYNLLLT	DITSKS	LLTDITSKS	6	0.6821	31.2
1.30	0.95	MurG	SB				
DRB1_0301	9	SDLSMGLANRIAY	KF	MGLANRIAY	4	0.6638	38.0
1.60	0.83	MurG	SB				
DRB1_0301	10	DLSMGLANRIAY	KFA	MGLANRIAY	3	0.6618	38.8
1.70	0.83	MurG	SB				
DRB1_0301	1	LSSVKADVADLS	VLL	VKADVADLS	3	0.6811	31.5
1.30	0.88	ATP-F	SB				
DRB1_0301	2	DLSVLLAEKIMAK	NL	VLLAEKIMA	3	0.6761	33.3
1.40	0.50	ATP-F	SB				
DRB1_0301	3	LSVLLAEKIMAK	NLD	LLAEKIMAK	3	0.6723	34.7
1.50	0.49	ATP-F	SB				
DRB1_0301	4	SSVKADVADLS	VLLA	VKADVADLS	2	0.6604	39.4
1.70	0.81	ATP-F	SB				
DRB1_0301	5	ADLSVLLAEKIMAK	N	VLLAEKIMA	4	0.6597	39.7
1.70	0.52	ATP-F	SB				
DRB1_0301	6	ALSSVKADVADLS	V	VKADVADLS	4	0.6581	40.4
1.70	0.90	ATP-F	SB				
DRB1_0301	1	PVKMLRKSDRSLI	M	LRKSDRSLI	4	0.7421	16.3
0.50	0.62	AGPAT	SB				
DRB1_0301	2	VKMLRKSDRSLI	MFP	LRKSDRSLI	3	0.7283	18.9
0.60	0.64	AGPAT	SB				
DRB1_0301	3	KMLRKSDRSLI	MFPS	LRKSDRSLI	2	0.7062	24.0
0.90	0.62	AGPAT	SB				
DRB1_0301	4	YPVKMLRKSDRSLI	M	LRKSDRSLI	5	0.6929	27.7
1.10	0.63	AGPAT	SB				
DRB1_0301	5	GTEAVRYPVKMLRK	S	VRYPVKMLR	4	0.6712	35.1
1.50	0.90	AGPAT	SB				
DRB1_0301	6	TEAVRYPVKMLRK	SD	VRYPVKMLR	3	0.6665	36.9
1.60	0.92	AGPAT	SB				
DRB1_0301	7	EAVRYPVKMLRK	SDR	VRYPVKMLR	2	0.6620	38.7
1.70	0.80	AGPAT	SB				
DRB1_0301	8	PGTEAVRYPVKMLRK		VRYPVKMLR	5	0.6492	44.5
1.90	0.89	AGPAT	SB				
DRB1_0404	1	TQTQMLRAFTSV	SND	MLRAFTSVS	4	0.7483	15.2
0.40	0.64	PBP2X	SB				
DRB1_0404	2	QTQMLRAFTSV	SNDG	MLRAFTSVS	3	0.7467	15.5
0.40	0.70	PBP2X	SB				
DRB1_0404	3	VTQTQMLRAFTSV	SND	MLRAFTSVS	5	0.7420	16.3
0.50	0.63	PBP2X	SB				
DRB1_0404	4	TQMLRAFTSV	SNDGV	MLRAFTSVS	2	0.7338	17.8
0.60	0.70	PBP2X	SB				
DRB1_0404	5	GNKIIKTSV	SVGSNL	IIKTSVSVG	3	0.6994	25.8

1.20	0.72	PBP2X	SB				
DRB1_0404	6	AQGFAYSSNVGMTLL	GFAYSSNVG	2	0.6978	26.3	
1.20	0.86	PBP2X	SB				
DRB1_0404	7	GVTQTQMLRAFTSVS	MLRAFTSVS	6	0.6973	26.4	
1.30	0.53	PBP2X	SB				
DRB1_0404	8	NKIIKTSVSVGSNLK	IIKTSVSVG	2	0.6916	28.1	
1.40	0.74	PBP2X	SB				
DRB1_0404	9	QMLRAFTSVSNDGVM	MLRAFTSVS	1	0.6908	28.4	
1.40	0.69	PBP2X	SB				
DRB1_0404	10	FAQGFAYSSNVGMTL	GFAYSSNVG	3	0.6874	29.4	
1.50	0.86	PBP2X	SB				
DRB1_0404	11	TGNKIIKTSVSVGSN	IIKTSVSVG	4	0.6871	29.5	
1.50	0.69	PBP2X	SB				
DRB1_0404	12	QGFAYSSNVGMTLLE	GFAYSSNVG	1	0.6829	30.9	
1.70	0.83	PBP2X	SB				
DRB1_0404	1	AEQIAVLATSKSDLK	QIAVLATSK	2	0.7967	9.0	
0.08	0.88	PBP2b	SB				
DRB1_0404	2	TAEQIAVLATSKSDL	QIAVLATSK	3	0.7883	9.9	
0.10	0.91	PBP2b	SB				
DRB1_0404	3	EQIAVLATSKSDLKG	QIAVLATSK	1	0.7862	10.1	
0.12	0.88	PBP2b	SB				
DRB1_0404	4	LTAEQIAVLATSKSD	QIAVLATSK	4	0.7708	11.9	
0.20	0.93	PBP2b	SB				
DRB1_0404	5	DLTAEQIAVLATSKS	QIAVLATSK	5	0.7439	16.0	
0.50	0.94	PBP2b	SB				
DRB1_0404	6	KKIIHIFSQMNATSV	IIHIFSQMN	2	0.7318	18.2	
0.60	0.35	PBP2b	SB				
DRB1_0404	7	KIIHIFSQMNATSVF	IIHIFSQMN	1	0.7137	22.2	
0.90	0.31	PBP2b	SB				
DRB1_0404	8	EKKIIHIFSQMNATS	KIIHIFSQM	2	0.7077	23.6	
1.00	0.40	PBP2b	SB				
DRB1_0404	9	QIAVLATSKSDLKGI	QIAVLATSK	0	0.7031	24.8	
1.10	0.63	PBP2b	SB				
DRB1_0404	10	GVYAVVLNPNTGAVL	AVVLNPNTG	3	0.6767	33.1	
1.90	0.52	PBP2b	SB				
DRB1_0404	1	GWWIRMCGAFPIDRK	WIRMCGAFP	2	0.6835	30.7	
1.60	0.86	AGPAT	SB				
DRB1_0404	2	VFYTYLRSLLVFLIW	FYTYLRSLL	1	0.6807	31.7	
1.70	0.56	AGPAT	SB				
DRB1_0404	3	DRSLIMFPSGSRHSS	SLIMFPSGS	2	0.6807	31.7	
1.70	0.70	AGPAT	SB				