



NetMHCII 2.0 Server - prediction results

Technical University of Denmark

Input is in FSA format
NetMHCII version 2.0.

Strong binder threshold 50.00. Weak binder threshold 500.00.

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB1_0101	107	KIGWRRLEAQAVLSR	WRRLEAQAV	0.9056	2.8	SB	0.01 Sequence
DRB1_0101	108	IGWRRLEAQAVLSRL	WRRLEAQAV	0.9020	2.9	SB	0.05 Sequence
DRB1_0101	106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.9008	2.9	SB	0.05 Sequence
DRB1_0101	109	GWRRLEAQAVLSRLL	WRRLEAQAV	0.8958	3.1	SB	0.10 Sequence
DRB1_0101	105	RPKIGWRRLEAQAVL	WRRLEAQAV	0.8942	3.1	SB	0.10 Sequence
DRB1_0101	110	WRRLEAQAVLSRLLN	WRRLEAQAV	0.8887	3.3	SB	0.30 Sequence
DRB1_0101	116	QAVLSRLLNAPVSVS	LSRLLNAPV	0.8793	3.7	SB	0.80 Sequence
DRB1_0101	104	NRPKIGWRRLEAQAV	WRRLEAQAV	0.8703	4.1	SB	1.00 Sequence
DRB1_0101	117	AVLSRLLNAPVSVSA	LSRLLNAPV	0.8647	4.3	SB	2.00 Sequence
DRB1_0101	115	AQAVLSRLLNAPVSV	LSRLLNAPV	0.8640	4.4	SB	2.00 Sequence
DRB1_0101	118	VLSRLLNAPVSVSAT	LSRLLNAPV	0.8469	5.2	SB	4.00 Sequence
DRB1_0101	83	VVVLITQHGYRVGNA	LITQHGYRV	0.8336	6.0	SB	4.00 Sequence
DRB1_0101	80	LRHVVLITQHGYRV	VVVLITQHG	0.8254	6.6	SB	4.00 Sequence
DRB1_0101	114	EAQAVLSRLLNAPVS	LSRLLNAPV	0.8241	6.7	SB	4.00 Sequence
DRB1_0101	81	RHVVLITQHGYRVG	LITQHGYRV	0.8195	7.1	SB	8.00 Sequence
DRB1_0101	82	HVVVLITQHGYRVGN	LITQHGYRV	0.8193	7.1	SB	8.00 Sequence
DRB1_0101	119	LSRLLNAPVSVSATT	LSRLLNAPV	0.8175	7.2	SB	8.00 Sequence
DRB1_0101	143	GEGLAAIATALVVSL	LAAIATALV	0.8079	8.0	SB	8.00 Sequence
DRB1_0101	84	VVLITQHGYRVGNAV	LITQHGYRV	0.8044	8.3	SB	8.00 Sequence
DRB1_0101	142	RGEGLAAIATALVVS	LAAIATALV	0.8023	8.5	SB	8.00 Sequence
DRB1_0101	89	QHGYRVGNNAVQVIG	YRVGNNAVQ	0.7996	8.7	SB	8.00 Sequence
DRB1_0101	88	TQHGYRVGNNAVQVI	YRVGNNAVQ	0.7917	9.5	SB	8.00 Sequence
DRB1_0101	68	DPRWQGVSGADMLRH	WQGVSGADM	0.7901	9.7	SB	8.00 Sequence
DRB1_0101	141	GRGEGLAAIATALVV	LAAIATALV	0.7887	9.8	SB	8.00 Sequence
DRB1_0101	113	LEAQAVLSRLLNAPV	LSRLLNAPV	0.7831	10.4	SB	8.00 Sequence
DRB1_0101	69	PRWQGVSGADMLRHV	WQGVSGADM	0.7793	10.9	SB	16.00 Sequence
DRB1_0101	144	EGLAAIATALVVSLR	LAAIATALV	0.7755	11.3	SB	16.00 Sequence
DRB1_0101	85	VLITQHGYRVGNNAV	LITQHGYRV	0.7685	12.2	SB	16.00 Sequence
DRB1_0101	140	TGRGEGLAAIATALV	LAAIATALV	0.7665	12.5	SB	16.00 Sequence
DRB1_0101	90	HGYRVGNNAVQVIGN	YRVGNNAVQ	0.7575	13.8	SB	16.00 Sequence
DRB1_0101	120	SRLLNAPVSVSATTT	LNAPVSVSA	0.7559	14.0	SB	16.00 Sequence
DRB1_0101	46	ALCDAVLSAAGLGI	DAVLSAAGL	0.7547	14.2	SB	16.00 Sequence
DRB1_0101	41	DVAVHALCDAVLSAA	VHALCDAVL	0.7515	14.7	SB	16.00 Sequence
DRB1_0101	70	RWQGVSGADMLRHVV	WQGVSGADM	0.7515	14.7	SB	16.00 Sequence
DRB1_0101	79	MLRHVVVLITQHGYR	VVVLITQHG	0.7433	16.1	SB	16.00 Sequence
DRB1_0101	86	LITQHGYRVGNNAVQ	LITQHGYRV	0.7397	16.7	SB	16.00 Sequence
DRB1_0101	95	GNAVQVIGNRPNKIG	VVQVIGNRP	0.7379	17.0	SB	16.00 Sequence
DRB1_0101	42	VAVHALCDAVLSAAG	VHALCDAVL	0.7330	18.0	SB	16.00 Sequence
DRB1_0101	67	DDPRWQGVSGADMLR	WQGVSGADM	0.7284	18.9	SB	16.00 Sequence
DRB1_0101	87	ITQHGYRVGNNAVQV	YRVGNNAVQ	0.7269	19.2	SB	16.00 Sequence

DRB1_0101	44	VHALCDAVLSAAGLG	DAVLSAAGL	0.7262	19.3	SB	16.00	Sequence
DRB1_0101	45	HALCDAVLSAAGLGD	DAVLSAAGL	0.7199	20.7	SB	16.00	Sequence
DRB1_0101	91	GYRVGNNAVQVIGNR	YRVGNNAVQ	0.7059	24.1	SB	32.00	Sequence
DRB1_0101	43	AVHALCDAVLSAAGL	VHALCDAVL	0.7050	24.3	SB	32.00	Sequence
DRB1_0101	47	LCDAVLSAAGLDIG	DAVLSAAGL	0.6989	26.0	SB	32.00	Sequence
DRB1_0101	40	GDVAVHALCDAVLSA	VHALCDAVL	0.6948	27.2	SB	32.00	Sequence
DRB1_0101	94	VGNNAVQVIGNRPKI	VVQVIGNRP	0.6904	28.5	SB	32.00	Sequence
DRB1_0101	96	NAVQVIGNRPKIGW	VVQVIGNRP	0.6862	29.8	SB	32.00	Sequence
DRB1_0101	78	DMLRHVVVLITQHGY	VVLITQHG	0.6847	30.3	SB	32.00	Sequence
DRB1_0101	121	RLLNAPVSVSATTTD	LNAPVSVSA	0.6841	30.5	SB	32.00	Sequence
DRB1_0101	71	WQGVSGADMLRHVVV	WQGVSGADM	0.6716	34.9	SB	32.00	Sequence
DRB1_0101	111	RRLEAQAVLSRLLNA	AQAVLSRLL	0.6687	36.0	SB	32.00	Sequence
DRB1_0101	139	LTGRGEGLAAIATAL	GEGLAAIAT	0.6588	40.1	SB	32.00	Sequence
DRB1_0101	98	VVQVIGNRPKIGWRR	VIGNRPKIG	0.6568	41.0	SB	32.00	Sequence
DRB1_0101	112	RLEAQAVLSRLLNAP	AQAVLSRLL	0.6518	43.3	SB	32.00	Sequence
DRB1_0101	92	YRVGNNAVQVIGNRP	YRVGNNAVQ	0.6491	44.5	SB	32.00	Sequence
DRB1_0101	97	AVQVIGNRPKIGWR	VVQVIGNRP	0.6472	45.5	SB	32.00	Sequence
DRB1_0101	74	VSGADMLRHVVVLIT	ADMLRHVVV	0.6430	47.6	SB	32.00	Sequence
DRB1_0101	66	VDDPRWQGVSGADML	WQGVSGADM	0.6406	48.9	SB	32.00	Sequence
DRB1_0101	77	ADMLRHVVVLITQHG	VVVVLITQHG	0.6344	52.2	WB	32.00	Sequence
DRB1_0101	39	DGDVAVHALCDAVLS	VHALCDAVL	0.6304	54.6	WB	32.00	Sequence
DRB1_0101	73	GVSGADMLRHVVVLI	ADMLRHVVV	0.6215	60.1	WB	32.00	Sequence
DRB1_0101	48	CAVLSAAGLDIGE	DAVLSAAGL	0.6182	62.3	WB	32.00	Sequence
DRB1_0101	75	SGADMLRHVVVLITQ	ADMLRHVVV	0.6163	63.5	WB	32.00	Sequence
DRB1_0101	19	RPCWLVLGLLFPSADG	WLVGLLFPS	0.6133	65.6	WB	32.00	Sequence
DRB1_0101	76	GADMLRHVVVLITQH	MLRHVVVLI	0.5999	75.9	WB	50.00	Sequence
DRB1_0101	137	LGLTGRGEGLAAIAT	TGRGEGLAA	0.5929	81.8	WB	50.00	Sequence
DRB1_0101	21	CWLVLGLLFPSADGCA	VGLLFPSAD	0.5924	82.3	WB	50.00	Sequence
DRB1_0101	17	PGRPCWLVLGLLFPSA	WLVGLLFPS	0.5882	86.1	WB	50.00	Sequence
DRB1_0101	122	LLNAPVSVSATTTDG	LNAPVSVSA	0.5870	87.2	WB	50.00	Sequence
DRB1_0101	18	GRPCWLVLGLLFPSAD	WLVGLLFPS	0.5847	89.4	WB	50.00	Sequence
DRB1_0101	138	GLTGRGEGLAAIATA	GEGLAAIAT	0.5814	92.7	WB	50.00	Sequence
DRB1_0101	38	SDGDVAVHALCDAVL	VHALCDAVL	0.5765	97.8	WB	50.00	Sequence
DRB1_0101	20	PCWLVLGLLFPSADGC	LVGLLFPSA	0.5765	97.8	WB	50.00	Sequence
DRB1_0101	93	RVGNNAVQVIGNRPK	VVQVIGNRP	0.5757	98.5	WB	50.00	Sequence
DRB1_0101	72	QGVSGADMLRHVVVL	ADMLRHVVV	0.5720	102.6	WB	50.00	Sequence
DRB1_0101	123	LNAPVSVSATTTDGL	PVSVSATTT	0.5650	110.7	WB	50.00	Sequence
DRB1_0101	136	GLGLTGRGEGLAIA	GLTGRGEGL	0.5589	118.2	WB	50.00	Sequence
DRB1_0101	135	DGLGLTGRGEGLAIA	GLTGRGEGL	0.5579	119.5	WB	50.00	Sequence
DRB1_0101	22	WLVGLLFPSADGCAG	LVGLLFPSA	0.5551	123.2	WB	50.00	Sequence
DRB1_0101	23	LVGLLFPSADGCAGH	LLFPSADGC	0.5399	145.3	WB	50.00	Sequence
DRB1_0101	99	VQVIGNRPKIGWRRR	VIGNRPKIG	0.5397	145.5	WB	50.00	Sequence
DRB1_0101	49	DAVLSAAGLDIGE	DAVLSAAGL	0.5393	146.2	WB	50.00	Sequence
DRB1_0101	16	EPGRPCWLVLGLLFPS	WLVGLLFPS	0.5390	146.6	WB	50.00	Sequence
DRB1_0101	12	VHPIEPGRPCWLVLG	IEPGRPCWL	0.5360	151.4	WB	50.00	Sequence
DRB1_0101	14	PIEPGRPCWLVLGLLF	PCWLVLGLLF	0.5127	194.9	WB	50.00	Sequence
DRB1_0101	13	HPIEPGRPCWLVLGLL	IEPGRPCWL	0.5054	210.8	WB	50.00	Sequence
DRB1_0101	65	GVDDPRWQGVSGADM	WQGVSGADM	0.5011	220.9	WB	50.00	Sequence
DRB1_0101	15	IEPGRPCWLVLGLLFP	PCWLVLGLLF	0.4966	232.1	WB	50.00	Sequence
DRB1_0101	24	VGLLFPSADGCAGHS	FPSADGCAG	0.4746	294.3	WB	50.00	Sequence
DRB1_0101	11	DVHPIEPGRPCWLVLG	IEPGRPCWL	0.4603	343.7	WB	50.00	Sequence
DRB1_0101	134	TDGLGLTGRGEGLAA	GLTGRGEGL	0.4596	346.1	WB	50.00	Sequence
DRB1_0101	1	NQLPRVGLGTDVHPI	PRVGLGTDV	0.4567	357.1	WB	50.00	Sequence
DRB1_0101	10	TDVHPIEPGRPCWLVL	IEPGRPCWL	0.4419	419.1	WB	50.00	Sequence
DRB1_0101	100	QVIGNRPKIGWRRLE	VIGNRPKIG	0.4395	430.3	WB	50.00	Sequence
DRB1_0101	25	GLLFPSADGCAGHSD	FPSADGCAG	0.4369	442.8	WB	50.00	Sequence
DRB1_0101	124	NAPVSVSATTTDGLG	PVSVSATT	0.4334	459.8	WB	50.00	Sequence
DRB1_0101	133	TTDGLGLTGRGEGLA	GLGLTGRGE	0.4329	462.3	WB	50.00	Sequence
DRB1_0101	128	SVSATTTDGLGLTGR	ATTTDGLGL	0.4306	473.8	WB	50.00	Sequence

DRB1_0101	2	QLPRVGLGTDVHPIE	GLGTDVHPI	0.4271	491.9	WB	50.00	Sequence
DRB1_0101	37	HSDGDVAVHALCDAV	DGDVAVHAL	0.4198	532.3		50.00	Sequence
DRB1_0101	50	AVLSAAGLDIGEVEF	VLSAAGLD	0.4198	532.8		50.00	Sequence
DRB1_0101	9	GTDVHPIEPGRPCWL	VHPIEPGRP	0.4154	558.4		50.00	Sequence
DRB1_0101	3	LPRVGLGTDVHPIEP	GLGTDVHPI	0.4041	631.2		50.00	Sequence
DRB1_0101	4	PRVGLGTDVHPIEPG	GLGTDVHPI	0.4009	653.4		50.00	Sequence
DRB1_0101	36	GHSDDGDVAVHALCDA	DGDVAVHAL	0.3991	666.1		50.00	Sequence
DRB1_0101	126	PVSVSATTDDGLGLT	VSATTDDGL	0.3890	743.0		50.00	Sequence
DRB1_0101	125	APVSVSATTDDGLGL	PVSVSATT	0.3780	837.3		50.00	Sequence
DRB1_0101	0	VNQLPRVGLGTDVHP	PRVGLGTDV	0.3722	891.2		50.00	Sequence
DRB1_0101	101	VIGNRPKIGWRRLEA	VIGNRPKIG	0.3721	892.6		50.00	Sequence
DRB1_0101	26	LLFPSADGCAGHSDG	FPSADGCAG	0.3692	920.4		50.00	Sequence
DRB1_0101	132	TTTDGLGLTGRGEG	GLGLTGRGE	0.3683	929.9		50.00	Sequence
DRB1_0101	5	RVGLGTDVHPIEPGR	GLGTDVHPI	0.3627	987.8		50.00	Sequence
DRB1_0101	129	VSATTDDGLGLTGRG	ATTTDGLGL	0.3626	988.6		50.00	Sequence
DRB1_0101	35	AGHSDGDVAVHALCD	DGDVAVHAL	0.3612	1003.8		50.00	Sequence
DRB1_0101	127	VSVSATTDDGLGLTG	VSATTDDGL	0.3598	1018.9		50.00	Sequence
DRB1_0101	34	CAGHSDGDVAVHALC	DGDVAVHAL	0.3546	1078.4		50.00	Sequence
DRB1_0101	6	VGLGTDVHPIEPGRP	GLGTDVHPI	0.3432	1219.3		50.00	Sequence
DRB1_0101	51	VLSAAGLDIGEVEFG	VLSAAGLD	0.3274	1447.6		50.00	Sequence
DRB1_0101	7	GLGTDVHPIEPGRPC	VHPIEPGRP	0.3246	1491.5		50.00	Sequence
DRB1_0101	130	SATTDDGLGLTGRGE	ATTTDGLGL	0.3246	1492.4		50.00	Sequence
DRB1_0101	102	IGNRPKIGWRRLEAQ	NRPKIGWRR	0.3066	1813.4		50.00	Sequence
DRB1_0101	131	ATTTDGLGLTGRGEG	GLGLTGRGE	0.3016	1913.2		50.00	Sequence
DRB1_0101	103	GMRPKIGWRRLEAQA	KIGWRRLEA	0.3013	1919.7		50.00	Sequence
DRB1_0101	8	LGTDVHPIEPGRPCW	VHPIEPGRP	0.2983	1983.0		50.00	Sequence
DRB1_0101	52	LSAAGLDIGEVEFGV	GLGDIGEVEF	0.2925	2112.1		50.00	Sequence
DRB1_0101	33	GCAGHSDGDVAVHAL	DGDVAVHAL	0.2907	2152.4		50.00	Sequence
DRB1_0101	27	LFPSADGCAGHSDGD	FPSADGCAG	0.2727	2614.5		50.00	Sequence
DRB1_0101	53	SAAGLDIGEVEFGVD	GLGDIGEVEF	0.2719	2639.0		50.00	Sequence
DRB1_0101	61	GEVFGVDDPRWQGV	FGVDDPRWQ	0.2550	3166.6		50.00	Sequence
DRB1_0101	60	IGVFGVDDPRWQGV	FGVDDPRWQ	0.2524	3256.4		50.00	Sequence
DRB1_0101	54	AAGLDIGEVEFGVDD	GDIGEVEFGV	0.2500	3344.0		50.00	Sequence
DRB1_0101	55	AGLDIGEVEFGVDDP	GDIGEVEFGV	0.2427	3620.3		50.00	Sequence
DRB1_0101	56	GLGDIGEVEFGVDDP	DIGEVEFGVD	0.2373	3837.0		50.00	Sequence
DRB1_0101	28	FPSADGCAGHSDGDV	FPSADGCAG	0.2232	4468.1		50.00	Sequence
DRB1_0101	62	EVFGVDDPRWQGVSG	FGVDDPRWQ	0.2215	4551.1		50.00	Sequence
DRB1_0101	32	DGCAGHSDGDVAVHA	AGHSDGDVA	0.2165	4805.0		50.00	Sequence
DRB1_0101	57	LGDIGEVEFGVDDPRW	GDIGEVEFGV	0.2160	4829.3		50.00	Sequence
DRB1_0101	59	DIGEVEFGVDDPRWQ	FGVDDPRWQ	0.2142	4925.7		50.00	Sequence
DRB1_0101	58	GDIGEVEFGVDDPRW	FGVDDPRWQ	0.2091	5207.5		50.00	Sequence
DRB1_0101	31	ADGCAGHSDGDVAVH	CAGHSDGDV	0.2059	5389.0		50.00	Sequence
DRB1_0101	63	VFGVDDPRWQGVSGA	FGVDDPRWQ	0.2001	5738.7		50.00	Sequence
DRB1_0101	30	SADGCAGHSDGDVAV	CAGHSDGDV	0.1969	5939.7		50.00	Sequence
DRB1_0101	29	PSADGCAGHSDGDVA	ADGCAGHSD	0.1801	7126.5		50.00	Sequence
DRB1_0101	64	FGVDDPRWQGVSGAD	FGVDDPRWQ	0.1689	8043.9		50.00	Sequence

Allele: DRB1_0101. Number of high binders 59. Number of weak binders 41. Number of peptides 145

Allele	pos	peptide	core	1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB1_0301	98	VVQVIGNRPKIGWRR	VVQVIGNRP	0.5758			98.5	WB 4.00 Sequence
DRB1_0301	97	AVVQVIGNRPKIGWR	VVQVIGNRP	0.5530			126.0	WB 4.00 Sequence
DRB1_0301	5	RVGLGTDVHPIEPGR	RVGLGTDVH	0.5098			201.0	WB 8.00 Sequence
DRB1_0301	3	LPRVGLGTDVHPIEP	RVGLGTDVH	0.5028			216.9	WB 8.00 Sequence
DRB1_0301	96	NAVQVIGNRPKIGW	VVQVIGNRP	0.5017			219.4	WB 8.00 Sequence

DRB1_0301	4	PRVGLGTDVHPIEPG RVGLGTDVH	0.5007	221.9	WB 8.00	Sequence
DRB1_0301	83	VVLITQHGYRVGNA VVLITQHG	0.4816	272.9	WB 8.00	Sequence
DRB1_0301	82	HVVVITQHGYRVGN VVLITQHG	0.4696	310.5	WB 16.00	Sequence
DRB1_0301	2	QLPRVGLGTDVHPIE RVGLGTDVH	0.4660	322.9	WB 16.00	Sequence
DRB1_0301	43	AVHALCDAVLSAAGL AVHALCDAV	0.4540	367.9	WB 16.00	Sequence
DRB1_0301	61	GEVFGVDDPRWQGVV EVFGVDDPR	0.4480	392.4	WB 16.00	Sequence
DRB1_0301	60	IGEVFGVDDPRWQGV EVFGVDDPR	0.4358	448.1	WB 16.00	Sequence
DRB1_0301	95	GNAVQVIGNRPKIG VVQVIGNRP	0.4317	468.4	WB 16.00	Sequence
DRB1_0301	72	QGVSGADMLRHVVVL GVSGADMLR	0.4313	470.1	WB 16.00	Sequence
DRB1_0301	81	RHVVLITQHGYRVG VVLITQHG	0.4286	483.9	WB 16.00	Sequence
DRB1_0301	42	VAVHALCDAVLSAAG AVHALCDAV	0.4196	533.6	16.00	Sequence
DRB1_0301	116	QAVLSRLLNAPVSVS AVLSRLLNA	0.4179	543.8	16.00	Sequence
DRB1_0301	71	WQGVSGADMLRHVVV QGVSGADML	0.4166	551.6	16.00	Sequence
DRB1_0301	117	AVLSRLLNAPVSVSA AVLSRLLNA	0.4150	560.6	16.00	Sequence
DRB1_0301	70	RWQGVSGADMLRHVV QGVSGADML	0.4026	641.4	16.00	Sequence
DRB1_0301	112	RLEAQAVLSRLLNAP RLEAQAVLS	0.4026	641.8	16.00	Sequence
DRB1_0301	113	LEAQAVLSRLLNAPV LEAQAVLSR	0.3995	663.4	16.00	Sequence
DRB1_0301	115	AQAVLSRLLNAPVSV AVLSRLLNA	0.3983	672.3	16.00	Sequence
DRB1_0301	84	VVLITQHGYRVGNAV VLITQHGYR	0.3954	693.5	32.00	Sequence
DRB1_0301	114	EAQAVLSRLLNAPVS AVLSRLLNA	0.3942	702.7	32.00	Sequence
DRB1_0301	73	GVSGADMLRHVVVLI GVSGADMLR	0.3910	727.5	32.00	Sequence
DRB1_0301	80	LRHVVLITQHGYRV VVLITQHG	0.3908	728.8	32.00	Sequence
DRB1_0301	41	DVAVHALCDAVLSAA AVHALCDAV	0.3889	744.0	32.00	Sequence
DRB1_0301	59	DIGEVFGVDDPRWQG EVFGVDDPR	0.3880	750.9	32.00	Sequence
DRB1_0301	6	VGLGTDVHPIEPGRP LGTDVHPIE	0.3859	768.3	32.00	Sequence
DRB1_0301	45	HALCDAVLSAAGLGD ALCDAVLSA	0.3769	847.0	32.00	Sequence
DRB1_0301	99	VQVIGNRPKIGWRRR VQVIGNRPK	0.3697	915.6	32.00	Sequence
DRB1_0301	118	VLSRLLNAPVSVSAT SLLNAPVS	0.3687	926.1	32.00	Sequence
DRB1_0301	69	PRWQGVSGADMLRHV QGVSGADML	0.3672	941.2	32.00	Sequence
DRB1_0301	62	EVFGVDDPRWQGVV EVFGVDDPR	0.3613	1002.9	32.00	Sequence
DRB1_0301	94	VGNVAVQVIGNRPKI VVQVIGNRP	0.3580	1039.2	32.00	Sequence
DRB1_0301	44	VHALCDAVLSAAGLG HALCDAVLS	0.3580	1039.3	32.00	Sequence
DRB1_0301	76	GADMLRHVVVLITQH GADMLRHVV	0.3575	1044.4	32.00	Sequence
DRB1_0301	119	LSRLLNAPVSVSATT LSRLLNAPV	0.3553	1070.7	32.00	Sequence
DRB1_0301	74	VSGADMLRHVVVLIT GADMLRHVV	0.3503	1129.6	32.00	Sequence
DRB1_0301	111	RRLEAQAVLSRLLNA RLEAQAVLS	0.3492	1143.5	32.00	Sequence
DRB1_0301	75	SGADMLRHVVVLITQ GADMLRHVV	0.3429	1224.0	32.00	Sequence
DRB1_0301	7	GLGTDVHPIEPGRPC LGTDVHPIE	0.3408	1252.1	32.00	Sequence
DRB1_0301	40	GDVAVHALCDAVLSA AVHALCDAV	0.3402	1259.8	32.00	Sequence
DRB1_0301	58	GDIGEVFGVDDPRWQ EVFGVDDPR	0.3397	1266.7	32.00	Sequence
DRB1_0301	129	VSATTTDGLGLTGRG VSATTTDGL	0.3339	1349.3	32.00	Sequence
DRB1_0301	126	PVSVSATTTDGLGLT VSATTTDGL	0.3308	1395.1	32.00	Sequence
DRB1_0301	85	VLITQHGYRVGNAV VLITQHGYR	0.3290	1422.2	32.00	Sequence
DRB1_0301	128	SVSATTTDGLGLTGR VSATTTDGL	0.3183	1597.1	32.00	Sequence
DRB1_0301	77	ADMLRHVVVLITQHG ADMLRHVVV	0.3181	1601.1	32.00	Sequence
DRB1_0301	24	VGLLFPSADGCAGHS VGLLFPSAD	0.3172	1615.9	32.00	Sequence
DRB1_0301	127	VSVSATTTDGLGLTG VSATTTDGL	0.3159	1638.8	32.00	Sequence
DRB1_0301	46	ALCDAVLSAAGLGD ALCDAVLSA	0.3104	1740.3	32.00	Sequence
DRB1_0301	110	WRRLEAQAVLSRLLN RLEAQAVLS	0.3084	1777.7	32.00	Sequence
DRB1_0301	35	AGHSDGDVAVHALCD AGHSDGDVA	0.3082	1781.2	32.00	Sequence
DRB1_0301	120	SLLNAPVSVSATTT SLLNAPVS	0.3056	1832.4	32.00	Sequence
DRB1_0301	79	MLRHVVVLITQHGYR LRHVVLIT	0.3043	1858.4	32.00	Sequence
DRB1_0301	1	NQLPRVGLGTDVHPI RVGLGTDVH	0.3040	1864.2	32.00	Sequence
DRB1_0301	26	LLFPSADGCAGHSDG LLFPSADGC	0.2986	1975.4	50.00	Sequence
DRB1_0301	78	DMLRHVVVLITQHGY LRHVVLIT	0.2982	1985.3	50.00	Sequence
DRB1_0301	68	DPRWQGVSGADMLRH GVSGADMLR	0.2936	2087.0	50.00	Sequence
DRB1_0301	23	LVGLLFPSADGCAGH VGLLFPSAD	0.2932	2094.3	50.00	Sequence
DRB1_0301	34	CAGHSDGDVAVHALC AGHSDGDVA	0.2932	2095.1	50.00	Sequence
DRB1_0301	100	QVIGNRPKIGWRRLE QVIGNRPKI	0.2821	2363.5	50.00	Sequence

DRB1_0301	105	RPKIGWRRLEAQAVL	RPKIGWRRL	0.2781	2466.9	50.00	Sequence
DRB1_0301	25	GLLFPADGCAGHSD	LLFPADGC	0.2755	2538.1	50.00	Sequence
DRB1_0301	33	GCAGHSDGDVAVHAL	AGHSDGDVA	0.2709	2667.6	50.00	Sequence
DRB1_0301	125	APVSVSATTDDGLGL	VSATTTDGL	0.2650	2844.3	50.00	Sequence
DRB1_0301	109	GWRRLEAQAVLSRLL	RRLEAQAVL	0.2569	3101.9	50.00	Sequence
DRB1_0301	57	LGDIGEVFGVDDPRW	EVFGVDDPR	0.2568	3107.8	50.00	Sequence
DRB1_0301	8	LGTDVHPIEPGRPCW	LGTDVHPIE	0.2516	3287.9	50.00	Sequence
DRB1_0301	104	NRPKIGWRRLEAQAV	RPKIGWRRL	0.2492	3374.3	50.00	Sequence
DRB1_0301	22	WLVGLLFPADGCAG	VGLLFPAD	0.2477	3428.8	50.00	Sequence
DRB1_0301	93	RVGNNAVQVIGNRPK	VVQVIGNRP	0.2447	3539.7	50.00	Sequence
DRB1_0301	36	GHSDGDVAVHALCDA	SDGDVAVHA	0.2425	3626.5	50.00	Sequence
DRB1_0301	121	RLLNAPVSVSATTDD	RLLNAPVSV	0.2350	3931.9	50.00	Sequence
DRB1_0301	37	HSDGDVAVHALCDAV	SDGDVAVHA	0.2337	3990.5	50.00	Sequence
DRB1_0301	32	DGCAGHSDGDVAVHA	AGHSDGDVA	0.2304	4133.3	50.00	Sequence
DRB1_0301	108	IGWRRLEAQAVLSRL	RRLEAQAVL	0.2284	4225.5	50.00	Sequence
DRB1_0301	39	DGDVAVHALCDAVLS	AVHALCDAV	0.2278	4249.8	50.00	Sequence
DRB1_0301	38	SDGDVAVHALCDAVL	SDGDVAVHA	0.2276	4262.5	50.00	Sequence
DRB1_0301	90	HGYRVGNNAVQVIGN	HGYRVGNAV	0.2249	4384.7	50.00	Sequence
DRB1_0301	0	VNQLPRVGLGTDVHP	RVGLGTDVH	0.2227	4491.7	50.00	Sequence
DRB1_0301	56	GLGDIGEVFGVDDPR	GEVFGVDDP	0.2210	4576.2	50.00	Sequence
DRB1_0301	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.2193	4662.9	50.00	Sequence
DRB1_0301	47	LCDAVLSAAGLDIG	CDAVLSAAG	0.2188	4684.3	50.00	Sequence
DRB1_0301	67	DDPRWQGVSGADMLR	GVSGADMLR	0.2186	4695.6	50.00	Sequence
DRB1_0301	92	YRVGNNAVQVIGNRP	VVQVIGNRP	0.2121	5036.0	50.00	Sequence
DRB1_0301	103	GMRPKIGWRRLEAQA	RPKIGWRRL	0.2092	5197.3	50.00	Sequence
DRB1_0301	107	KIGWRRLEAQAVLSR	IGWRRLEAQ	0.2070	5325.8	50.00	Sequence
DRB1_0301	21	CWLVGLLFPADGCA	VGLLFPAD	0.2060	5381.8	50.00	Sequence
DRB1_0301	89	QHGYRVGNNAVQVIG	HGYRVGNAV	0.2051	5436.6	50.00	Sequence
DRB1_0301	86	LITQHGYRVGNNAVQ	LITQHGYRV	0.1968	5948.5	50.00	Sequence
DRB1_0301	91	GYRVGNNAVQVIGNR	GYRVGNNAV	0.1963	5981.2	50.00	Sequence
DRB1_0301	124	NAPVSVSATTDDGLG	VSATTTDGL	0.1930	6196.8	50.00	Sequence
DRB1_0301	122	LLNAPVSVSATTDDG	LNAPVSVSA	0.1927	6213.7	50.00	Sequence
DRB1_0301	123	LNAPVSVSATTDDGL	LNAPVSVSA	0.1883	6518.2	50.00	Sequence
DRB1_0301	101	VIGNRPKIGWRRLEA	VIGNRPKIG	0.1868	6625.4	50.00	Sequence
DRB1_0301	88	TQHGYRVGNNAVQVI	HGYRVGNAV	0.1851	6747.4	50.00	Sequence
DRB1_0301	144	EGLAAIATALVVSLR	LAAIATALV	0.1847	6775.5	50.00	Sequence
DRB1_0301	102	IGNRPKIGWRRLEAQ	RPKIGWRRL	0.1808	7072.8	50.00	Sequence
DRB1_0301	31	ADGCAGHSDGDVAVH	AGHSDGDVA	0.1796	7160.3	50.00	Sequence
DRB1_0301	48	CDAVLSAAGLDIGE	CDAVLSAAG	0.1702	7927.1	50.00	Sequence
DRB1_0301	106	PKIGWRRLEAQAVLS	IGWRRLEAQ	0.1680	8119.8	50.00	Sequence
DRB1_0301	142	RGEGLAAIATALVVS	GLAAIATAL	0.1667	8230.7	50.00	Sequence
DRB1_0301	53	SAAGLDIGEVFGVD	GLGDIGEVF	0.1636	8514.0	50.00	Sequence
DRB1_0301	55	AGLDIGEVFGVDDP	GLGDIGEVF	0.1625	8613.3	50.00	Sequence
DRB1_0301	52	LSAAGLDIGEVFGV	GLGDIGEVF	0.1615	8715.8	50.00	Sequence
DRB1_0301	143	GEGLAAIATALVVSL	LAAIATALV	0.1608	8774.3	50.00	Sequence
DRB1_0301	27	LFPSADGCAGHSDGD	LFPSADGCA	0.1565	9198.9	50.00	Sequence
DRB1_0301	87	ITQHGYRVGNNAVQV	HGYRVGNAV	0.1537	9474.7	50.00	Sequence
DRB1_0301	51	VLSAAGLDIGEVFG	LSAAGLDI	0.1465	10243.7	50.00	Sequence
DRB1_0301	54	AAGLDIGEVFGVDD	GLGDIGEVF	0.1393	11072.5	50.00	Sequence
DRB1_0301	141	GRGEGLAAIATALVV	RGEGLAAIA	0.1383	11193.5	50.00	Sequence
DRB1_0301	30	SADGCAGHSDGDVAV	AGHSDGDVA	0.1365	11414.9	50.00	Sequence
DRB1_0301	50	AVLSAAGLDIGEVF	LSAAGLDI	0.1350	11603.9	50.00	Sequence
DRB1_0301	134	TDGLGLTGRGEGLAA	TDGLGLTGR	0.1297	12291.2	50.00	Sequence
DRB1_0301	135	DGLGLTGRGEGLAAI	LTGRGEGLA	0.1265	12720.1	50.00	Sequence
DRB1_0301	136	GLGLTGRGEGLAAIA	LGLTGRGEG	0.1245	13003.2	50.00	Sequence
DRB1_0301	20	PCWLVGLLFPADGC	LVGLLFPAS	0.1226	13275.8	50.00	Sequence
DRB1_0301	49	DAVLSAAGLDIGEV	DAVLSAAGL	0.1212	13471.0	50.00	Sequence
DRB1_0301	139	LTGRGEGLAAIATAL	LTGRGEGLA	0.1194	13736.2	50.00	Sequence
DRB1_0301	9	GTDVHPIEPGRPCWL	DVHPIEPGR	0.1186	13862.2	50.00	Sequence

DRB1_0301	11	DVHPIEPGRPCWLVG	VHPIEPGRP	0.1180	13943.3	50.00	Sequence
DRB1_0301	140	TGRGEGLAAIATALV	RGEGLAAIA	0.1167	14147.7	50.00	Sequence
DRB1_0301	137	LGLTGRGEGLAAIAT	LGLTGRGEG	0.1148	14433.2	50.00	Sequence
DRB1_0301	133	TTDGLGLTGRGEGLA	TDGLGLTGR	0.1112	15017.7	50.00	Sequence
DRB1_0301	10	TDVHPIEPGRPCWL	VHPIEPGRP	0.1077	15591.9	50.00	Sequence
DRB1_0301	138	GLTGRGEGLAAIATA	GLTGRGEGL	0.1072	15668.4	50.00	Sequence
DRB1_0301	64	FGVDDPRWQGVSGAD	FGVDDPRWQ	0.1055	15965.6	50.00	Sequence
DRB1_0301	29	PSADGCAGHSDGDVA	CAGHSDGDV	0.1026	16484.3	50.00	Sequence
DRB1_0301	12	VHPIEPGRPCWLVLG	VHPIEPGRP	0.1019	16608.6	50.00	Sequence
DRB1_0301	66	VDDPRWQGVSGADML	QGVSGADML	0.1015	16671.8	50.00	Sequence
DRB1_0301	132	TTTDGLGLTGRGEGL	TDGLGLTGR	0.0998	16975.2	50.00	Sequence
DRB1_0301	28	FPSADGCAGHSDGDV	FPSADGCAG	0.0881	19270.9	50.00	Sequence
DRB1_0301	131	ATTTDGLGLTGRGEG	TDGLGLTGR	0.0881	19275.7	50.00	Sequence
DRB1_0301	19	RPCWLVLGLLFPSADG	LVGLLFPSA	0.0872	19469.8	50.00	Sequence
DRB1_0301	130	SATTTDGLGLTGRGE	SATTTDGLG	0.0831	20344.3	50.00	Sequence
DRB1_0301	18	GRPCWLVLGLLFPSAD	RPCWLVLGLL	0.0785	21393.6	50.00	Sequence
DRB1_0301	17	PGRPCWLVLGLLFPSA	RPCWLVLGLL	0.0713	23125.6	50.00	Sequence
DRB1_0301	65	GVDDPRWQGVSGADM	VDDPRWQGV	0.0663	24390.5	50.00	Sequence
DRB1_0301	16	EPGRPCWLVLGLLFPS	RPCWLVLGLL	0.0558	27349.3	50.00	Sequence
DRB1_0301	15	IEPGRPCWLVLGLLFP	RPCWLVLGLL	0.0455	30553.4	50.00	Sequence
DRB1_0301	14	PIEPGRPCWLVLGLLF	RPCWLVLGLL	0.0389	32837.7	50.00	Sequence
DRB1_0301	13	HPIEPGRPCWLVLGLL	HPIEPGRPC	0.0354	34094.4	50.00	Sequence

Allele: DRB1_0301. Number of high binders 0. Number of weak binders 15. Number of peptides 145

Allele	pos	peptide	core	1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity	
DRB1_0401	118	VLSRLLNAPVSVSAT	RLLNAPVSV	0.6603		39.5	SB	4.00	Sequence
DRB1_0401	107	KIGWRRLEAQAVLSR	WRRLEAQAV	0.6436		47.3	SB	4.00	Sequence
DRB1_0401	119	LSRLLNAPVSVSATT	RLLNAPVSV	0.6390		49.7	SB	4.00	Sequence
DRB1_0401	117	AVLSRLLNAPVSVSA	RLLNAPVSV	0.6283		55.8	WB	8.00	Sequence
DRB1_0401	79	MLRHVVVLITQHGYR	RHVVLITQ	0.6183		62.2	WB	8.00	Sequence
DRB1_0401	78	DMLRHVVVLITQHGY	RHVVLITQ	0.6151		64.4	WB	8.00	Sequence
DRB1_0401	120	SRLNAPVSVSATTT	RLLNAPVSV	0.6135		65.5	WB	8.00	Sequence
DRB1_0401	80	LRHVVLITQHGYRV	RHVVLITQ	0.6095		68.4	WB	8.00	Sequence
DRB1_0401	108	IGWRRLEAQAVLSRL	WRRLEAQAV	0.6076		69.8	WB	8.00	Sequence
DRB1_0401	106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.6029		73.5	WB	8.00	Sequence
DRB1_0401	77	ADMLRHVVVLITQHG	RHVVLITQ	0.5803		93.8	WB	8.00	Sequence
DRB1_0401	116	QAVLSRLLNAPVSVS	RLLNAPVSV	0.5802		93.9	WB	8.00	Sequence
DRB1_0401	109	GWRRLEAQAVLSRLL	WRRLEAQAV	0.5718		102.8	WB	8.00	Sequence
DRB1_0401	121	RLLNAPVSVSATTTD	RLLNAPVSV	0.5673		107.9	WB	16.00	Sequence
DRB1_0401	89	QHGYRVGNNAVQVIG	YRVGNNAVQ	0.5643		111.5	WB	16.00	Sequence
DRB1_0401	81	RHVVLITQHGYRVG	RHVVLITQ	0.5594		117.6	WB	16.00	Sequence
DRB1_0401	88	TQHGYRVGNNAVQVI	QHGYRVGNA	0.5568		121.0	WB	16.00	Sequence
DRB1_0401	110	WRRLEAQAVLSRLLN	WRRLEAQAV	0.5538		125.0	WB	16.00	Sequence
DRB1_0401	105	RPKIGWRRLEAQAVL	WRRLEAQAV	0.5347		153.6	WB	16.00	Sequence
DRB1_0401	115	AQAVLSRLLNAPVSV	VLSRLLNAP	0.5305		160.8	WB	16.00	Sequence
DRB1_0401	76	GADMLRHVVVLITQH	RHVVLITQ	0.5283		164.5	WB	16.00	Sequence
DRB1_0401	87	ITQHGYRVGNNAVQV	QHGYRVGNA	0.5200		180.1	WB	16.00	Sequence
DRB1_0401	90	HGYRVGNNAVQVIGN	GYRVGNNAV	0.5063		209.0	WB	16.00	Sequence
DRB1_0401	111	RRLEAQAVLSRLLNA	RLEAQAVLS	0.5045		212.9	WB	16.00	Sequence
DRB1_0401	104	NRPKIGWRRLEAQAV	WRRLEAQAV	0.4990		226.0	WB	16.00	Sequence
DRB1_0401	112	RLEAQAVLSRLLNAP	RLEAQAVLS	0.4914		245.5	WB	16.00	Sequence
DRB1_0401	22	WLVGLLFPSADGCAG	WLVGLLFPS	0.4822		271.2	WB	32.00	Sequence
DRB1_0401	86	LITQHGYRVGNNAVQ	QHGYRVGNA	0.4743		295.2	WB	32.00	Sequence
DRB1_0401	75	SGADMLRHVVVLITQ	RHVVLITQ	0.4635		331.8	WB	32.00	Sequence

DRB1_0401	20	PCWLVLGLLFPSADGC	WLVGLLFPS	0.4616	338.7	WB	32.00	Sequence
DRB1_0401	91	GYRVGNNAVQVIGNR	YRVGNNAVQ	0.4609	341.4	WB	32.00	Sequence
DRB1_0401	21	CWLVLGLLFPSADGCA	WLVGLLFPS	0.4599	345.1	WB	32.00	Sequence
DRB1_0401	43	AVHALCDAVLSAAGL	HALCDAVLS	0.4564	358.2	WB	32.00	Sequence
DRB1_0401	44	VHALCDAVLSAAGLG	HALCDAVLS	0.4465	398.7	WB	32.00	Sequence
DRB1_0401	19	RPCWLVLGLLFPSADG	WLVGLLFPS	0.4376	439.5	WB	32.00	Sequence
DRB1_0401	114	EAQAVLSRLLNAPVS	VLSRLLNAP	0.4373	440.5	WB	32.00	Sequence
DRB1_0401	42	VAVHALCDAVLSAAG	HALCDAVLS	0.4273	491.2	WB	32.00	Sequence
DRB1_0401	45	HALCDAVLSAAGLGD	HALCDAVLS	0.4114	583.4		32.00	Sequence
DRB1_0401	141	GRGEGLAAIATALVV	GEGLAAIAT	0.4062	617.1		32.00	Sequence
DRB1_0401	142	RGEGLAAIATALVVS	GEGLAAIAT	0.4052	623.6		32.00	Sequence
DRB1_0401	143	GEGLAAIATALVVSL	GEGLAAIAT	0.4039	632.6		32.00	Sequence
DRB1_0401	92	YRVGNNAVQVIGNRP	YRVGNNAVQ	0.3969	682.4		32.00	Sequence
DRB1_0401	140	TGRGEGLAAIATALV	GEGLAAIAT	0.3937	706.3		32.00	Sequence
DRB1_0401	85	VLITQHGYRVGNNAV	QHGYRVGNA	0.3916	722.3		32.00	Sequence
DRB1_0401	113	LEAQAVLSRLLNAPV	LEAQAVLSR	0.3914	724.0		32.00	Sequence
DRB1_0401	83	VVLITQHGYRVGNA	VVLITQHG	0.3846	779.4		50.00	Sequence
DRB1_0401	41	DVAVHALCDAVLSAA	HALCDAVLS	0.3830	793.3		50.00	Sequence
DRB1_0401	2	QLPRVGLGTDVHPIE	RVGLGTDVH	0.3711	901.9		50.00	Sequence
DRB1_0401	4	PRVGLGTDVHPIEPG	RVGLGTDVH	0.3647	966.5		50.00	Sequence
DRB1_0401	69	PRWQGVSGADMLRHV	WQGVSGADM	0.3636	977.8		50.00	Sequence
DRB1_0401	68	DPRWQGVSGADMLRH	WQGVSGADM	0.3614	1001.8		50.00	Sequence
DRB1_0401	82	HVVVITQHGYRVGN	VVVITQHG	0.3577	1042.5		50.00	Sequence
DRB1_0401	3	LPRVGLGTDVHPIEP	RVGLGTDVH	0.3568	1053.0		50.00	Sequence
DRB1_0401	5	RVGLGTDVHPIEPGR	RVGLGTDVH	0.3563	1058.7		50.00	Sequence
DRB1_0401	18	GRPCWLVLGLLFPSAD	WLVGLLFPS	0.3554	1069.2		50.00	Sequence
DRB1_0401	144	EGLAAIATALVVSLR	LAAIATALV	0.3547	1077.6		50.00	Sequence
DRB1_0401	139	LTGRGEGLAAIATAL	GEGLAAIAT	0.3523	1105.6		50.00	Sequence
DRB1_0401	74	VSGADMLRHVVVLIT	DMLRHVVVL	0.3507	1124.8		50.00	Sequence
DRB1_0401	61	GEVFGVDDPRWQGV	EVFGVDDPR	0.3480	1158.0		50.00	Sequence
DRB1_0401	23	LVGLLFPSADGCAGH	GLLFPSADG	0.3453	1191.9		50.00	Sequence
DRB1_0401	62	EVFGVDDPRWQGV	EVFGVDDPR	0.3416	1240.5		50.00	Sequence
DRB1_0401	60	IGEVFGVDDPRWQGV	EVFGVDDPR	0.3341	1345.5		50.00	Sequence
DRB1_0401	1	NQLPRVGLGTDVHPI	RVGLGTDVH	0.3331	1360.1		50.00	Sequence
DRB1_0401	73	GVSADMLRHVVVLI	DMLRHVVVL	0.3321	1376.1		50.00	Sequence
DRB1_0401	70	RWQGVSGADMLRHVV	WQGVSGADM	0.3318	1380.6		50.00	Sequence
DRB1_0401	71	WQGVSGADMLRHVVV	WQGVSGADM	0.3285	1430.0		50.00	Sequence
DRB1_0401	67	DDPRWQGVSGADMLR	WQGVSGADM	0.3257	1473.3		50.00	Sequence
DRB1_0401	40	GDVAVHALCDAVLSA	HALCDAVLS	0.3159	1639.7		50.00	Sequence
DRB1_0401	17	PGRPCWLVLGLLFPSA	WLVGLLFPS	0.3154	1648.6		50.00	Sequence
DRB1_0401	103	GNRPKIGWRRLEAQA	KIGWRRLEA	0.3146	1661.6		50.00	Sequence
DRB1_0401	138	GLTGRGEGLAAIATA	GEGLAAIAT	0.3102	1744.1		50.00	Sequence
DRB1_0401	96	NAVQVIGNRPKIGW	NAVQVIGN	0.3068	1807.6		50.00	Sequence
DRB1_0401	59	DIGEVFGVDDPRWQG	EVFGVDDPR	0.3061	1822.9		50.00	Sequence
DRB1_0401	0	VNQLPRVGLGTDVHP	RVGLGTDVH	0.3053	1838.2		50.00	Sequence
DRB1_0401	84	VVLITQHGYRVGNAV	QHGYRVGNA	0.3033	1878.4		50.00	Sequence
DRB1_0401	95	GNAVQVIGNRPKIG	NAVQVIGN	0.2960	2031.9		50.00	Sequence
DRB1_0401	93	RVGNNAVQVIGNRPK	RVGNNAVQV	0.2932	2094.3		50.00	Sequence
DRB1_0401	24	VGLLFPSADGCAGHS	GLLFPSADG	0.2847	2297.2		50.00	Sequence
DRB1_0401	66	VDDPRWQGVSGADML	WQGVSGADM	0.2800	2417.3		50.00	Sequence
DRB1_0401	122	LLNAPVSVSATTTDG	LLNAPVSVS	0.2679	2755.5		50.00	Sequence
DRB1_0401	94	VGNNAVQVIGNRPKI	NAVQVIGN	0.2674	2770.3		50.00	Sequence
DRB1_0401	58	GDIGEVFGVDDPRWQ	EVFGVDDPR	0.2610	2969.6		50.00	Sequence
DRB1_0401	6	VGLGTDVHPIEPGRP	VGLGTDVHP	0.2604	2988.8		50.00	Sequence
DRB1_0401	123	LNAPVSVSATTTDGL	PVSVSATT	0.2558	3141.7		50.00	Sequence
DRB1_0401	72	QGVSGADMLRHVVVL	VSGADMLRH	0.2552	3159.6		50.00	Sequence
DRB1_0401	102	IGNRPKIGWRRLEAQ	KIGWRRLEA	0.2526	3250.5		50.00	Sequence
DRB1_0401	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.2500	3343.6		50.00	Sequence
DRB1_0401	25	GLLFPSADGCAGHSD	GLLFPSADG	0.2481	3414.4		50.00	Sequence

DRB1_0401	97	AVVQVIGNRPKIGWR VVQVIGNRP	0.2451	3525.0	50.00	Sequence
DRB1_0401	16	EPGRPCWLVLGLLFPS WLVLGLLFPS	0.2390	3765.8	50.00	Sequence
DRB1_0401	46	ALCDAVLSAAGLGDI ALCDAVLSA	0.2388	3775.9	50.00	Sequence
DRB1_0401	137	LGLTGRGEGLAAIAT GRGEGLAAI	0.2383	3793.1	50.00	Sequence
DRB1_0401	65	GVDDPRWQGVSGADM WQGVSGADM	0.2375	3826.9	50.00	Sequence
DRB1_0401	125	APVSVSATTDDGLGL PVSVSATTT	0.2370	3846.8	50.00	Sequence
DRB1_0401	39	DGDVAVHALCDAVLS HALCDAVLS	0.2365	3870.5	50.00	Sequence
DRB1_0401	124	NAPVSVSATTDDGLG PVSVSATTT	0.2326	4037.4	50.00	Sequence
DRB1_0401	126	PVSVSATTDDGLGLT PVSVSATTT	0.2283	4230.0	50.00	Sequence
DRB1_0401	98	VVQVIGNRPKIGWRR VQVIGNRPK	0.2190	4676.5	50.00	Sequence
DRB1_0401	57	LGDIGEVFGVDDPRW EVFGVDDPR	0.2063	5367.2	50.00	Sequence
DRB1_0401	99	VQVIGNRPKIGWRR VQVIGNRPK	0.1773	7342.6	50.00	Sequence
DRB1_0401	35	AGHSDGDVAVHALCD GHSDGDVAV	0.1694	7997.0	50.00	Sequence
DRB1_0401	136	GLGLTGRGEGLAIA LTGRGEGLA	0.1661	8290.4	50.00	Sequence
DRB1_0401	34	CAGHSDGDVAVHALC GHSDGDVAV	0.1649	8394.5	50.00	Sequence
DRB1_0401	36	GHSDGDVAVHALCDA GHSDGDVAV	0.1639	8492.6	50.00	Sequence
DRB1_0401	127	VSVSATTDDGLGLTG VSVSATTDD	0.1547	9380.8	50.00	Sequence
DRB1_0401	101	VIGNRPKIGWRRLEA KIGWRRLEA	0.1544	9408.4	50.00	Sequence
DRB1_0401	33	GCAGHSDGDVAVHAL GHSDGDVAV	0.1484	10035.3	50.00	Sequence
DRB1_0401	38	SDGDVAVHALCDAVL VHALCDAVL	0.1466	10240.6	50.00	Sequence
DRB1_0401	51	VLSAAGLDIGEVFG LSAAGLDI	0.1383	11191.1	50.00	Sequence
DRB1_0401	52	LSAAGLDIGEVFGV GLGDIGEVF	0.1341	11718.0	50.00	Sequence
DRB1_0401	49	DAVLSAAGLDIGEV DAVLSAAGL	0.1333	11813.8	50.00	Sequence
DRB1_0401	56	GLGDIGEVFGVDDPR GEVFGVDDP	0.1322	11955.4	50.00	Sequence
DRB1_0401	26	LLFPSADGCAGHSDG LLFPSADGC	0.1317	12019.6	50.00	Sequence
DRB1_0401	100	QVIGNRPKIGWRRLE QVIGNRPKI	0.1290	12386.0	50.00	Sequence
DRB1_0401	135	DGLGLTGRGEGLAAI LTGRGEGLA	0.1280	12515.6	50.00	Sequence
DRB1_0401	64	FGVDDPRWQGVSGAD FGVDDPRWQ	0.1280	12517.6	50.00	Sequence
DRB1_0401	7	GLGTDVHPIEPGRPC GLGTDVHPI	0.1242	13049.3	50.00	Sequence
DRB1_0401	32	DGCAGHSDGDVAVHA GHSDGDVAV	0.1231	13199.9	50.00	Sequence
DRB1_0401	47	LCDAVLSAAGLDIG DAVLSAAGL	0.1192	13772.2	50.00	Sequence
DRB1_0401	50	AVLSAAGLDIGEVF VLSAAGLD	0.1190	13802.8	50.00	Sequence
DRB1_0401	48	CDAVLSAAGLDIGE DAVLSAAGL	0.1172	14065.9	50.00	Sequence
DRB1_0401	37	HSDGDVAVHALCDAV HSDGDVAVH	0.1167	14152.4	50.00	Sequence
DRB1_0401	27	LFPSADGCAGHSDGD LFPSADGCA	0.1135	14647.5	50.00	Sequence
DRB1_0401	53	SAAGLDIGEVFGVD GLGDIGEVF	0.1116	14949.8	50.00	Sequence
DRB1_0401	55	AGLDIGEVFGVDDP GLGDIGEVF	0.1095	15291.4	50.00	Sequence
DRB1_0401	54	AAGLDIGEVFGVDD GLGDIGEVF	0.1063	15829.9	50.00	Sequence
DRB1_0401	134	TDGLGLTGRGEGLAA LTGRGEGLA	0.1054	15986.6	50.00	Sequence
DRB1_0401	128	VSVSATTDDGLGLTGR VSATTDDGL	0.1016	16650.0	50.00	Sequence
DRB1_0401	15	IEPGRPCWLVLGLLFP RPCWLVLGLL	0.1011	16737.9	50.00	Sequence
DRB1_0401	129	VSATTDDGLGLTGRG VSATTDDGL	0.0974	17432.9	50.00	Sequence
DRB1_0401	130	SATTDDGLGLTGRGE ATTTDGLGL	0.0946	17962.5	50.00	Sequence
DRB1_0401	131	ATTTDGLGLTGRGEG ATTTDGLGL	0.0945	17977.1	50.00	Sequence
DRB1_0401	31	ADGCAGHSDGDVAVH GHSDGDVAV	0.0895	18983.6	50.00	Sequence
DRB1_0401	30	SADGCAGHSDGDVAV GHSDGDVAV	0.0889	19117.8	50.00	Sequence
DRB1_0401	29	PSADGCAGHSDGDVA PSADGCAGH	0.0887	19141.8	50.00	Sequence
DRB1_0401	133	TTDGLGLTGRGEGLA TDGLGLTGR	0.0885	19185.0	50.00	Sequence
DRB1_0401	132	TTDGLGLTGRGEGL TTDGLGLT	0.0860	19722.7	50.00	Sequence
DRB1_0401	14	PIEPGRPCWLVLGLL RPCWLVLGLL	0.0784	21398.5	50.00	Sequence
DRB1_0401	28	FPSADGCAGHSDGDV PSADGCAGH	0.0733	22633.3	50.00	Sequence
DRB1_0401	8	LGTDVHPIEPGRPCW TDVHPIEPG	0.0625	25437.7	50.00	Sequence
DRB1_0401	9	GTDVHPIEPGRPCWL VHPIEPGRP	0.0602	26053.0	50.00	Sequence
DRB1_0401	10	TDVHPIEPGRPCWLV VHPIEPGRP	0.0564	27167.9	50.00	Sequence
DRB1_0401	13	HPIEPGRPCWLVLGLL RPCWLVLGLL	0.0550	27565.9	50.00	Sequence
DRB1_0401	11	DVHPIEPGRPCWLVG VHPIEPGRP	0.0511	28751.2	50.00	Sequence
DRB1_0401	12	VHPIEPGRPCWLVLG VHPIEPGRP	0.0489	29456.8	50.00	Sequence

Allele: DRB1_0401. Number of high binders 3. Number of weak binders 34. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity	
DRB1_0404	82	HVVVLITQHGYRVGN	HVVVLITQH	0.8062	8.1	SB	0.30	Sequence
DRB1_0404	81	RHVVLITQHGYRVG	HVVVLITQH	0.8058	8.2	SB	0.30	Sequence
DRB1_0404	80	LRHVVLITQHGYRV	HVVVLITQH	0.7965	9.0	SB	0.40	Sequence
DRB1_0404	79	MLRHVVVLITQHGYR	HVVVLITQH	0.7806	10.7	SB	0.80	Sequence
DRB1_0404	78	DMLRHVVVLITQHGY	HVVVLITQH	0.7474	15.4	SB	2.00	Sequence
DRB1_0404	117	AVLSRLLNAPVSVSA	VLSRLLNAP	0.7251	19.6	SB	2.00	Sequence
DRB1_0404	116	QAVLSRLLNAPVSVS	VLSRLLNAP	0.7244	19.7	SB	2.00	Sequence
DRB1_0404	115	AQAVLSRLLNAPVSV	VLSRLLNAP	0.7130	22.3	SB	4.00	Sequence
DRB1_0404	77	ADMLRHVVVLITQHG	HVVVLITQH	0.7115	22.7	SB	4.00	Sequence
DRB1_0404	118	VLSRLLNAPVSVSAT	VLSRLLNAP	0.7047	24.4	SB	4.00	Sequence
DRB1_0404	114	EAQAVLSRLLNAPVS	VLSRLLNAP	0.6642	37.8	SB	8.00	Sequence
DRB1_0404	95	GNAVQVIGNRPKIG	AVVQVIGNR	0.6546	42.0	SB	8.00	Sequence
DRB1_0404	96	NAVQVIGNRPKIGW	AVVQVIGNR	0.6524	43.0	SB	8.00	Sequence
DRB1_0404	94	VGNVQVIGNRPKI	AVVQVIGNR	0.6325	53.3	WB	8.00	Sequence
DRB1_0404	76	GADMLRHVVVLITQH	HVVVLITQH	0.6275	56.3	WB	8.00	Sequence
DRB1_0404	119	LSRLLNAPVSVSATT	RLLNAPVSV	0.6144	64.8	WB	8.00	Sequence
DRB1_0404	113	LEAQAVLSRLLNAPV	VLSRLLNAP	0.6055	71.4	WB	16.00	Sequence
DRB1_0404	93	RVGNVQVIGNRPK	AVVQVIGNR	0.5841	90.0	WB	16.00	Sequence
DRB1_0404	97	AVVQVIGNRPKIGWR	AVVQVIGNR	0.5829	91.2	WB	16.00	Sequence
DRB1_0404	22	WLVGLLFPSADGCAG	LVGLLFPSA	0.5814	92.7	WB	16.00	Sequence
DRB1_0404	21	CWLVGLLFPSADGCA	LVGLLFPSA	0.5809	93.2	WB	16.00	Sequence
DRB1_0404	19	RPCWLVGLLFPSADG	LVGLLFPSA	0.5790	95.2	WB	16.00	Sequence
DRB1_0404	20	PCWLVGLLFPSADGC	LVGLLFPSA	0.5777	96.4	WB	16.00	Sequence
DRB1_0404	120	SRLNAPVSVSATTT	RLLNAPVSV	0.5674	107.9	WB	16.00	Sequence
DRB1_0404	43	AVHALCDAVLSAAGL	AVHALCDAV	0.5616	114.8	WB	16.00	Sequence
DRB1_0404	42	VAVHALCDAVLSAAG	AVHALCDAV	0.5545	124.0	WB	16.00	Sequence
DRB1_0404	18	GRPCWLVGLLFPSAD	LVGLLFPSA	0.5479	133.1	WB	16.00	Sequence
DRB1_0404	41	DVAVHALCDAVLSAA	AVHALCDAV	0.5405	144.2	WB	16.00	Sequence
DRB1_0404	23	LVGLLFPSADGCAGH	LVGLLFPSA	0.5362	151.1	WB	16.00	Sequence
DRB1_0404	143	GEGLAAIATALVVS	GLAAIATAL	0.5216	177.0	WB	32.00	Sequence
DRB1_0404	40	GDVAVHALCDAVLSA	AVHALCDAV	0.5186	182.8	WB	32.00	Sequence
DRB1_0404	144	EGLAAIATALVVS	GLAAIATAL	0.5159	188.3	WB	32.00	Sequence
DRB1_0404	142	RGEGLAAIATALVVS	GLAAIATAL	0.5093	202.1	WB	32.00	Sequence
DRB1_0404	83	VVLITQHGYRVGNA	VVLITQHG	0.5088	203.3	WB	32.00	Sequence
DRB1_0404	112	RLEAQAVLSRLLNAP	AVLSRLLNA	0.5068	207.6	WB	32.00	Sequence
DRB1_0404	75	SGADMLRHVVVLITQ	DMLRHVVVL	0.5045	213.1	WB	32.00	Sequence
DRB1_0404	92	YRVGNVQVIGNRNP	AVVQVIGNR	0.5023	218.1	WB	32.00	Sequence
DRB1_0404	121	RLLNAPVSVSATTTD	RLLNAPVSV	0.5006	222.1	WB	32.00	Sequence
DRB1_0404	141	GRGEGLAAIATALV	GLAAIATAL	0.4749	293.3	WB	32.00	Sequence
DRB1_0404	17	PGRPCWLVGLLFPSA	LVGLLFPSA	0.4718	303.3	WB	32.00	Sequence
DRB1_0404	74	VSGADMLRHVVVLIT	DMLRHVVVL	0.4645	328.4	WB	32.00	Sequence
DRB1_0404	44	VHALCDAVLSAAGLG	ALCDAVLSA	0.4534	370.1	WB	32.00	Sequence
DRB1_0404	39	DGDVAVHALCDAVLS	AVHALCDAV	0.4519	376.3	WB	32.00	Sequence
DRB1_0404	140	TGRGEGLAAIATALV	GLAAIATAL	0.4282	486.3	WB	32.00	Sequence
DRB1_0404	45	HALCDAVLSAAGLGD	ALCDAVLSA	0.4245	506.3		32.00	Sequence
DRB1_0404	98	VVQVIGNRPKIGWRR	QVIGNRPKI	0.4244	506.7		32.00	Sequence
DRB1_0404	91	GYRVGNVQVIGNR	RVGNVQV	0.4046	627.7		50.00	Sequence
DRB1_0404	111	RRLEAQAVLSRLLNA	AVLSRLLNA	0.4045	628.3		50.00	Sequence
DRB1_0404	73	GVSGADMLRHVVVLI	DMLRHVVVL	0.4044	629.1		50.00	Sequence
DRB1_0404	24	VGLLFPSADGCAGHS	VGLLFPSAD	0.3945	700.3		50.00	Sequence
DRB1_0404	46	ALCDAVLSAAGLGD	DAVLSAAGL	0.3902	733.4		50.00	Sequence
DRB1_0404	90	HGYRVGNVQVIGN	RVGNVQV	0.3732	882.0		50.00	Sequence
DRB1_0404	38	SDGDVAVHALCDAVL	AVHALCDAV	0.3671	942.2		50.00	Sequence

DRB1_0404	47	LCDAVLSAAGLGDIG	LCDAVLSAA	0.3630	984.3	50.00	Sequence
DRB1_0404	16	EPGRPCWLVLGLLFPS	RPCWLVLGLL	0.3597	1020.3	50.00	Sequence
DRB1_0404	2	QLPRVGLGTDVHPIE	RVGLGTDVH	0.3523	1105.8	50.00	Sequence
DRB1_0404	109	GWRRLEAQAVLSRLL	RLEAQAVLS	0.3522	1107.1	50.00	Sequence
DRB1_0404	1	NQLPRVGLGTDVHPI	RVGLGTDVH	0.3398	1265.4	50.00	Sequence
DRB1_0404	110	WRRLEAQAVLSRLLN	RRLEAQAVL	0.3387	1280.2	50.00	Sequence
DRB1_0404	124	NAPVSVSATTTDGLG	PVSVSATTT	0.3383	1286.1	50.00	Sequence
DRB1_0404	108	IGWRRLEAQAVLSRL	RRLEAQAVL	0.3338	1350.4	50.00	Sequence
DRB1_0404	3	LPRVGLGTDVHPIEP	RVGLGTDVH	0.3329	1363.2	50.00	Sequence
DRB1_0404	72	QGVSGADMLRHVVVL	DMLRHVVVL	0.3266	1459.2	50.00	Sequence
DRB1_0404	123	LNAPVSVSATTTDGL	PVSVSATTT	0.3260	1468.9	50.00	Sequence
DRB1_0404	122	LLNAPVSVSATTTDG	LLNAPVSVS	0.3251	1482.9	50.00	Sequence
DRB1_0404	139	LTGRGEGLAAIATAL	GLAAIATAL	0.3243	1496.4	50.00	Sequence
DRB1_0404	4	PRVGLGTDVHPIEPG	RVGLGTDVH	0.3179	1604.5	50.00	Sequence
DRB1_0404	49	DAVLSAAGLDIGE	DAVLSAAGL	0.3170	1619.2	50.00	Sequence
DRB1_0404	69	PRWQGVSGADMLRHV	QGVSGADML	0.3159	1638.3	50.00	Sequence
DRB1_0404	107	KIGWRRLEAQAVLSR	WRRLEAQAV	0.3127	1696.5	50.00	Sequence
DRB1_0404	0	VNQLPRVGLGTDVHP	RVGLGTDVH	0.3123	1704.5	50.00	Sequence
DRB1_0404	89	QHGYRVGNNAVQVIG	RVGNNAVQV	0.3089	1768.2	50.00	Sequence
DRB1_0404	125	APVSVSATTTDGLGL	PVSVSATTT	0.3087	1772.6	50.00	Sequence
DRB1_0404	70	RWQGVSGADMLRHVV	QGVSGADML	0.3082	1781.4	50.00	Sequence
DRB1_0404	48	CDAVLSAAGLDIGE	DAVLSAAGL	0.3075	1794.4	50.00	Sequence
DRB1_0404	25	GLLFPADGCAGHSD	GLLFPADGC	0.3016	1913.9	50.00	Sequence
DRB1_0404	68	DPRWQGVSGADMLRH	QGVSGADML	0.2992	1962.7	50.00	Sequence
DRB1_0404	126	PVSVSATTTDGLGLT	VSVSATTTD	0.2953	2047.4	50.00	Sequence
DRB1_0404	88	TQHGYRVGNNAVQVI	HGYRVGNNAV	0.2917	2129.0	50.00	Sequence
DRB1_0404	106	PKIGWRRLEAQAVLS	GWRRLEAQA	0.2912	2141.4	50.00	Sequence
DRB1_0404	15	IEPGRPCWLVLGLLFP	RPCWLVLGLL	0.2770	2497.6	50.00	Sequence
DRB1_0404	5	RVGLGTDVHPIEPGR	RVGLGTDVH	0.2737	2586.8	50.00	Sequence
DRB1_0404	71	WQGVSGADMLRHVVV	QGVSGADML	0.2728	2612.4	50.00	Sequence
DRB1_0404	67	DDPRWQGVSGADMLR	QGVSGADML	0.2718	2640.0	50.00	Sequence
DRB1_0404	84	VVLITQHGYRVGNNAV	VVLITQHGY	0.2674	2769.4	50.00	Sequence
DRB1_0404	87	ITQHGYRVGNNAVQV	HGYRVGNNAV	0.2668	2786.6	50.00	Sequence
DRB1_0404	99	VQVIGNRPKIGWRRLE	QVIGNRPKI	0.2515	3288.7	50.00	Sequence
DRB1_0404	60	IGEVFGVDDPRWQGV	EVFGVDDPR	0.2424	3630.4	50.00	Sequence
DRB1_0404	127	VSVSATTTDGLGLTG	VSVSATTTD	0.2421	3643.5	50.00	Sequence
DRB1_0404	61	GEVFGVDDPRWQGV	EVFGVDDPR	0.2419	3650.6	50.00	Sequence
DRB1_0404	59	DIGEVEFGVDDPRWQ	EVFGVDDPR	0.2407	3699.1	50.00	Sequence
DRB1_0404	105	RPKIGWRRLEAQAVL	GWRRLEAQA	0.2353	3919.0	50.00	Sequence
DRB1_0404	37	HSDGDVAVHALCDAV	AVHALCDAV	0.2353	3922.0	50.00	Sequence
DRB1_0404	14	PIEPGRPCWLVLGLLF	RPCWLVLGLL	0.2347	3946.8	50.00	Sequence
DRB1_0404	66	VDDPRWQGVSGADML	QGVSGADML	0.2337	3989.8	50.00	Sequence
DRB1_0404	85	VLITQHGYRVGNNAV	VLITQHGYR	0.2229	4480.7	50.00	Sequence
DRB1_0404	50	AVLSAAGLDIGE	LSAAGLDI	0.2229	4483.9	50.00	Sequence
DRB1_0404	26	LLFPSADGCAGHSDG	LLFPSADGC	0.2204	4605.4	50.00	Sequence
DRB1_0404	100	QVIGNRPKIGWRRLE	QVIGNRPKI	0.2195	4651.5	50.00	Sequence
DRB1_0404	86	LITQHGYRVGNNAVQ	HGYRVGNNAV	0.2179	4731.1	50.00	Sequence
DRB1_0404	138	GLTGRGEGLAAIATA	EGLAAIATA	0.2156	4850.4	50.00	Sequence
DRB1_0404	62	EVFGVDDPRWQGV	EVFGVDDPR	0.2139	4942.9	50.00	Sequence
DRB1_0404	58	GDIGEVEFGVDDPRW	EVFGVDDPR	0.2115	5074.2	50.00	Sequence
DRB1_0404	104	NRPKIGWRRLEAQAV	GWRRLEAQA	0.1998	5758.5	50.00	Sequence
DRB1_0404	51	VLSAAGLDIGE	LSAAGLDI	0.1959	6004.1	50.00	Sequence
DRB1_0404	13	HPIEPGRPCWLVLGLL	RPCWLVLGLL	0.1930	6196.5	50.00	Sequence
DRB1_0404	52	LSAAGLDIGE	LSAAGLDI	0.1840	6832.5	50.00	Sequence
DRB1_0404	65	GVDDPRWQGVSGADM	RWQGVSGAD	0.1776	7317.3	50.00	Sequence
DRB1_0404	57	LDIGEVEFGVDDPR	EVFGVDDPR	0.1776	7320.5	50.00	Sequence
DRB1_0404	27	LFPSADGCAGHSDGD	LFPSADGCA	0.1604	8818.7	50.00	Sequence
DRB1_0404	53	SAAGLDIGE	AGLDIGE	0.1598	8869.9	50.00	Sequence
DRB1_0404	56	GLDIGEVEFGVDDPR	EVFGVDDPR	0.1480	10081.8	50.00	Sequence

DRB1_0404	55	AGLGDIGEVEFGVDDP	AGLGDIGEVE	0.1422	10731.4	50.00	Sequence
DRB1_0404	103	GNRPKIGWRRLEAQA	KIGWRRLEA	0.1407	10907.6	50.00	Sequence
DRB1_0404	128	SVSATTTDGLGLTGR	SVSATTTDG	0.1359	11494.1	50.00	Sequence
DRB1_0404	6	VGLGTDVHPIEPGRP	VGLGTDVHP	0.1355	11545.2	50.00	Sequence
DRB1_0404	54	AAGLGDIGEVEFGVDD	GLGDIGEVEF	0.1300	12243.3	50.00	Sequence
DRB1_0404	7	GLGTDVHPIEPGRPC	GLGTDVHPI	0.1137	14605.9	50.00	Sequence
DRB1_0404	28	FPSADGCAGHSDGDV	FPSADGCAG	0.1129	14736.4	50.00	Sequence
DRB1_0404	64	FGVDDPRWQGVSGAD	RWQGVSGAD	0.1114	14981.4	50.00	Sequence
DRB1_0404	12	VHPIEPGRPCWLVLGL	GRPCWLVLGL	0.1094	15307.8	50.00	Sequence
DRB1_0404	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.1074	15644.2	50.00	Sequence
DRB1_0404	137	LGLTGRGEGLAIAIAT	RGEGLAIAIA	0.1071	15695.0	50.00	Sequence
DRB1_0404	101	VIGNRPKIGWRRLEA	VIGNRPKIG	0.1036	16297.2	50.00	Sequence
DRB1_0404	10	TDVHPIEPGRPCWLVL	DVHPIEPGR	0.1009	16779.7	50.00	Sequence
DRB1_0404	11	DVHPIEPGRPCWLVL	DVHPIEPGR	0.1008	16798.2	50.00	Sequence
DRB1_0404	129	VSATTTDGLGLTGRG	VSATTTDGL	0.0995	17046.8	50.00	Sequence
DRB1_0404	102	IGNRPKIGWRRLEAQ	KIGWRRLEA	0.0993	17074.5	50.00	Sequence
DRB1_0404	9	GTDVHPIEPGRPCWL	DVHPIEPGR	0.0944	18006.1	50.00	Sequence
DRB1_0404	136	GLGLTGRGEGLAIAIA	LGLTGRGEG	0.0837	20224.5	50.00	Sequence
DRB1_0404	130	SATTTDGLGLTGRGE	TTDGLGLTG	0.0801	21014.4	50.00	Sequence
DRB1_0404	32	DGCAGHSDGDVAVHA	DGCAGHSDG	0.0799	21070.6	50.00	Sequence
DRB1_0404	8	LGTDVHPIEPGRPCW	VHPIEPGRP	0.0778	21538.8	50.00	Sequence
DRB1_0404	31	ADGCAGHSDGDVAVH	DGCAGHSDG	0.0745	22325.3	50.00	Sequence
DRB1_0404	131	ATTTDGLGLTGRGEG	TTDGLGLT	0.0743	22389.7	50.00	Sequence
DRB1_0404	132	TTDGLGLTGRGEG	TTDGLGLTG	0.0691	23676.3	50.00	Sequence
DRB1_0404	36	GHSDGDVAVHALCDA	VAVHALCDA	0.0684	23853.7	50.00	Sequence
DRB1_0404	29	PSADGCAGHSDGDVA	DGCAGHSDG	0.0682	23898.9	50.00	Sequence
DRB1_0404	30	SADGCAGHSDGDVAV	DGCAGHSDG	0.0682	23917.0	50.00	Sequence
DRB1_0404	135	DGLGLTGRGEGLAIAI	LGLTGRGEG	0.0654	24641.7	50.00	Sequence
DRB1_0404	133	TTDGLGLTGRGEG	TTDGLGLTG	0.0638	25067.4	50.00	Sequence
DRB1_0404	134	TDGLGLTGRGEG	LGLTGRGEG	0.0594	26293.7	50.00	Sequence
DRB1_0404	34	CAGHSDGDVAVHALC	CAGHSDGDV	0.0553	27479.2	50.00	Sequence
DRB1_0404	33	GCAGHSDGDVAVHAL	CAGHSDGDV	0.0547	27659.7	50.00	Sequence
DRB1_0404	35	AGHSDGDVAVHALCD	GHSDGDVAV	0.0520	28484.9	50.00	Sequence

Allele: DRB1_0404. Number of high binders 13. Number of weak binders 31. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB1_0405	76	GADMLRHVVVLITQH	MLRHVVVLI	0.7197	20.8	SB	2.00 Sequence
DRB1_0405	77	ADMLRHVVVLITQHG	MLRHVVVLI	0.7117	22.6	SB	2.00 Sequence
DRB1_0405	78	DMLRHVVVLITQHGY	MLRHVVVLI	0.7078	23.6	SB	4.00 Sequence
DRB1_0405	75	SGADMLRHVVVLITQ	MLRHVVVLI	0.7061	24.0	SB	4.00 Sequence
DRB1_0405	79	MLRHVVVLITQHGYR	MLRHVVVLI	0.6802	31.8	SB	4.00 Sequence
DRB1_0405	74	VSGADMLRHVVVLIT	MLRHVVVLI	0.6760	33.3	SB	4.00 Sequence
DRB1_0405	117	AVLSRLLNAPVSVSA	LSRLLNAPV	0.6620	38.7	SB	8.00 Sequence
DRB1_0405	106	PKIGWRRLEAQAVLS	GWRRLEAQA	0.6594	39.9	SB	8.00 Sequence
DRB1_0405	116	QAVLSRLLNAPVSVS	LSRLLNAPV	0.6559	41.4	SB	8.00 Sequence
DRB1_0405	107	KIGWRRLEAQAVLSR	GWRRLEAQA	0.6524	43.0	SB	8.00 Sequence
DRB1_0405	118	VLSRLLNAPVSVSAT	LSRLLNAPV	0.6509	43.7	SB	8.00 Sequence
DRB1_0405	105	RPKIGWRRLEAQAVL	GWRRLEAQA	0.6386	49.9	SB	8.00 Sequence
DRB1_0405	108	IGWRRLEAQAVLSRL	GWRRLEAQA	0.6324	53.4	WB	8.00 Sequence
DRB1_0405	115	AQAVLSRLLNAPVSV	LSRLLNAPV	0.6301	54.7	WB	8.00 Sequence
DRB1_0405	119	LSRLLNAPVSVSATT	LSRLLNAPV	0.6266	56.9	WB	16.00 Sequence
DRB1_0405	104	NRPKIGWRRLEAQAV	WRRLEAQA	0.6100	68.0	WB	16.00 Sequence
DRB1_0405	114	EAQAVLSRLLNAPVS	LSRLLNAPV	0.6006	75.3	WB	16.00 Sequence
DRB1_0405	109	GWRRLEAQAVLSRLL	GWRRLEAQA	0.5920	82.6	WB	16.00 Sequence

DRB1_0405	73	GVSGADMLRHVVVLI	MLRHVVVLI	0.5541	124.5	WB	32.00	Sequence
DRB1_0405	113	LEAQAVLSRLLNAPV	LSRLLNAPV	0.5523	127.0	WB	32.00	Sequence
DRB1_0405	80	LRHVVLITQHGYRV	LRHVVLIT	0.5512	128.5	WB	32.00	Sequence
DRB1_0405	120	SRLNAPVSVSATT	RLLNAPVSV	0.5472	134.2	WB	32.00	Sequence
DRB1_0405	68	DPRWQGVSGADMLRH	WQGVSGADM	0.5311	159.7	WB	32.00	Sequence
DRB1_0405	20	PCWLVLGLLFPSADGC	LVGLLFPSA	0.5266	167.6	WB	32.00	Sequence
DRB1_0405	90	HGYRVGNAVQVIGN	GYRVGNAV	0.5264	168.1	WB	32.00	Sequence
DRB1_0405	110	WRRLEAQAVLSRLLN	RLEAQAVLS	0.5212	177.8	WB	32.00	Sequence
DRB1_0405	21	CWLVLGLLFPSADGCA	LVGLLFPSA	0.5187	182.7	WB	32.00	Sequence
DRB1_0405	69	PRWQGVSGADMLRHV	WQGVSGADM	0.5173	185.5	WB	32.00	Sequence
DRB1_0405	67	DDPRWQGVSGADMLR	WQGVSGADM	0.5152	189.7	WB	32.00	Sequence
DRB1_0405	19	RPCWLVLGLLFPSADG	LVGLLFPSA	0.5148	190.6	WB	32.00	Sequence
DRB1_0405	22	WLVLGLLFPSADGCAG	LVGLLFPSA	0.4955	234.8	WB	32.00	Sequence
DRB1_0405	95	GNVAVQVIGNRPKIG	VVQVIGNRP	0.4947	236.9	WB	32.00	Sequence
DRB1_0405	88	TQHGYRVGNAVQVI	GYRVGNAV	0.4946	237.0	WB	32.00	Sequence
DRB1_0405	89	QHGYRVGNAVQVIG	GYRVGNAV	0.4921	243.5	WB	32.00	Sequence
DRB1_0405	96	NAVQVIGNRPKIGW	VVQVIGNRP	0.4892	251.3	WB	32.00	Sequence
DRB1_0405	91	GYRVGNAVQVIGNR	GYRVGNAV	0.4887	252.8	WB	32.00	Sequence
DRB1_0405	81	RHVVLITQHGYRVG	VVVLITQH	0.4867	258.1	WB	32.00	Sequence
DRB1_0405	93	RVGNAVQVIGNRPK	VVQVIGNRP	0.4859	260.4	WB	32.00	Sequence
DRB1_0405	70	RWQGVSGADMLRHVV	WQGVSGADM	0.4832	268.1	WB	32.00	Sequence
DRB1_0405	66	VDDPRWQGVSGADML	WQGVSGADM	0.4827	269.5	WB	32.00	Sequence
DRB1_0405	121	RLLNAPVSVSATT	RLLNAPVSV	0.4822	271.1	WB	32.00	Sequence
DRB1_0405	111	RRLEAQAVLSRLLNA	RLEAQAVLS	0.4820	271.6	WB	32.00	Sequence
DRB1_0405	87	ITQHGYRVGNAVQV	GYRVGNAV	0.4799	277.8	WB	32.00	Sequence
DRB1_0405	141	GRGEGLAAIATALV	LAAIATALV	0.4771	286.6	WB	32.00	Sequence
DRB1_0405	94	VGNVAVQVIGNRPKI	VVQVIGNRP	0.4769	287.0	WB	32.00	Sequence
DRB1_0405	92	YRVGNAVQVIGNR	VVQVIGNRP	0.4744	294.9	WB	50.00	Sequence
DRB1_0405	140	TGRGEGLAAIATALV	LAAIATALV	0.4705	307.7	WB	50.00	Sequence
DRB1_0405	23	LVGLLFPSADGCAGH	LVGLLFPSA	0.4704	307.9	WB	50.00	Sequence
DRB1_0405	82	HVVVLITQHGYRVGN	HVVVLITQH	0.4639	330.3	WB	50.00	Sequence
DRB1_0405	65	GVDDPRWQGVSGADM	WQGVSGADM	0.4551	363.5	WB	50.00	Sequence
DRB1_0405	112	RLEAQAVLSRLLNAP	RLEAQAVLS	0.4491	388.0	WB	50.00	Sequence
DRB1_0405	18	GRPCWLVLGLLFPSAD	WLVLGLLFPS	0.4398	428.8	WB	50.00	Sequence
DRB1_0405	103	GNRPKIGWRRLEAQA	IGWRRLEAQ	0.4395	430.2	WB	50.00	Sequence
DRB1_0405	86	LITQHGYRVGNAVQV	HGYRVGNAV	0.4382	436.2	WB	50.00	Sequence
DRB1_0405	142	RGEGLAAIATALVVS	EGLAAIATA	0.4369	442.3	WB	50.00	Sequence
DRB1_0405	72	QGVSGADMLRHVVVL	DMLRHVVVL	0.4340	456.9	WB	50.00	Sequence
DRB1_0405	71	WQGVSGADMLRHVVV	WQGVSGADM	0.4308	472.7	WB	50.00	Sequence
DRB1_0405	97	AVQVIGNRPKIGWR	VVQVIGNRP	0.4192	536.0	50.00	Sequence	
DRB1_0405	3	LPRVGLGTDVHPIEP	LPRVGLGTD	0.4169	549.3	50.00	Sequence	
DRB1_0405	2	QLPRVGLGTDVHPIE	LPRVGLGTD	0.4157	556.8	50.00	Sequence	
DRB1_0405	122	LLNAPVSVSATT	LLNAPVSVS	0.4139	567.6	50.00	Sequence	
DRB1_0405	85	VLITQHGYRVGNAV	GYRVGNAV	0.4119	580.2	50.00	Sequence	
DRB1_0405	40	GDVAVHALCDAVLSA	AVHALCDAV	0.4096	594.7	50.00	Sequence	
DRB1_0405	1	NQLPRVGLGTDVHPI	LPRVGLGTD	0.4077	607.3	50.00	Sequence	
DRB1_0405	41	DVAVHALCDAVLSAA	AVHALCDAV	0.4053	623.1	50.00	Sequence	
DRB1_0405	143	GEGLAAIATALVVS	GLAAIATAL	0.4052	623.6	50.00	Sequence	
DRB1_0405	39	DGDVAVHALCDAVLS	AVHALCDAV	0.4030	638.8	50.00	Sequence	
DRB1_0405	0	VNQLPRVGLGTDVHP	LPRVGLGTD	0.4023	643.4	50.00	Sequence	
DRB1_0405	83	VVVLITQHGYRVGNA	VVVLITQH	0.3962	687.7	50.00	Sequence	
DRB1_0405	42	VAVHALCDAVLSAAG	AVHALCDAV	0.3944	700.7	50.00	Sequence	
DRB1_0405	139	LTGRGEGLAAIATAL	GEGLAAIAT	0.3864	764.6	50.00	Sequence	
DRB1_0405	24	VGLLFPSADGCAGHS	VGLLFPSAD	0.3850	775.7	50.00	Sequence	
DRB1_0405	144	EGLAAIATALVVSLR	GLAAIATAL	0.3826	796.3	50.00	Sequence	
DRB1_0405	43	AVHALCDAVLSAAGL	AVHALCDAV	0.3771	845.7	50.00	Sequence	
DRB1_0405	17	PGRPCWLVLGLLFPSA	WLVLGLLFPS	0.3670	943.3	50.00	Sequence	
DRB1_0405	124	NAPVSVSATT	DGLG VSVSATT	0.3623	991.8	50.00	Sequence	
DRB1_0405	125	APVSVSATT	DGLGL VSVSATT	0.3606	1010.0	50.00	Sequence	

DRB1_0405	126	PVSVSATTTDGLGLT	VSVSATTTD	0.3537	1088.7	50.00	Sequence
DRB1_0405	98	VVQVIGNRPKIGWRR	VVQVIGNRP	0.3521	1108.0	50.00	Sequence
DRB1_0405	138	GLTGRGEGLAIIATA	RGEGLAIIA	0.3494	1141.1	50.00	Sequence
DRB1_0405	84	VVLITQHGYRVGNAV	VVLITQHGY	0.3486	1151.2	50.00	Sequence
DRB1_0405	123	LNAPVSVSATTTDGL	VSVSATTTD	0.3438	1212.0	50.00	Sequence
DRB1_0405	64	FGVDDPRWQGVSGAD	PRWQGVSGA	0.3266	1459.1	50.00	Sequence
DRB1_0405	16	EPGRPCWLVLGLLFPS	WLVGLLFPS	0.3265	1460.8	50.00	Sequence
DRB1_0405	38	SDGDVAVHALCDAVL	AVHALCDAV	0.3231	1515.8	50.00	Sequence
DRB1_0405	44	VHALCDAVLSAAGLG	HALCDAVLS	0.3120	1708.8	50.00	Sequence
DRB1_0405	45	HALCDAVLSAAGLGD	HALCDAVLS	0.3006	1934.5	50.00	Sequence
DRB1_0405	127	VSVSATTTDGLGLTG	VSVSATTTD	0.2991	1965.8	50.00	Sequence
DRB1_0405	50	AVLSAAGLGDIGEVF	LSAAGLGD	0.2982	1984.6	50.00	Sequence
DRB1_0405	49	DAVLSAAGLGDIGEV	SAAGLGDIG	0.2944	2068.3	50.00	Sequence
DRB1_0405	137	LGLTGRGEGLAIIAT	GRGEGLAII	0.2862	2260.4	50.00	Sequence
DRB1_0405	58	GDIGEVFGVDDPRWQ	GEVFGVDDP	0.2848	2294.2	50.00	Sequence
DRB1_0405	51	VLSAAGLGDIGEVFG	LSAAGLGD	0.2831	2336.2	50.00	Sequence
DRB1_0405	48	CAVLSAAGLGDIGE	VLSAAGLGD	0.2816	2376.2	50.00	Sequence
DRB1_0405	4	PRVGLGTDVHPIEPG	GLGTDVHPI	0.2773	2487.5	50.00	Sequence
DRB1_0405	25	GLLFPADGCAGHSD	GLLFPADG	0.2749	2554.4	50.00	Sequence
DRB1_0405	59	DIGEVFGVDDPRWQG	IGEVFGVDD	0.2726	2619.4	50.00	Sequence
DRB1_0405	47	LCDAVLSAAGLGDIG	DAVLSAAGL	0.2713	2656.8	50.00	Sequence
DRB1_0405	37	HSDGDVAVHALCDAV	AVHALCDAV	0.2668	2788.1	50.00	Sequence
DRB1_0405	63	VFGVDDPRWQGVSGA	FGVDDPRWQ	0.2647	2851.4	50.00	Sequence
DRB1_0405	56	GLGDIGEVFGVDDPR	GEVFGVDDP	0.2636	2884.8	50.00	Sequence
DRB1_0405	46	ALCDAVLSAAGLGD	DAVLSAAGL	0.2633	2894.2	50.00	Sequence
DRB1_0405	57	LGDIGEVFGVDDPRW	IGEVFGVDD	0.2627	2915.6	50.00	Sequence
DRB1_0405	60	IGEVFGVDDPRWQGV	IGEVFGVDD	0.2613	2957.7	50.00	Sequence
DRB1_0405	102	IGNRPKIGWRRLEAQ	KIGWRRLEA	0.2596	3015.0	50.00	Sequence
DRB1_0405	5	RVGLGTDVHPIEPGR	GLGTDVHPI	0.2576	3078.8	50.00	Sequence
DRB1_0405	136	GLGLTGRGEGLAIIA	RGEGLAIIA	0.2573	3088.7	50.00	Sequence
DRB1_0405	61	GEVFGVDDPRWQGV	FGVDDPRWQ	0.2559	3137.4	50.00	Sequence
DRB1_0405	52	LSAAGLGDIGEVFGV	SAAGLGDIG	0.2522	3264.4	50.00	Sequence
DRB1_0405	55	AGLGDIGEVFGVDDP	GLGDIGEVF	0.2503	3332.8	50.00	Sequence
DRB1_0405	99	VQVIGNRPKIGWRR	QVIGNRPKI	0.2449	3533.7	50.00	Sequence
DRB1_0405	15	IEPGRPCWLVLGLLFP	RPCWLVLGLL	0.2390	3768.2	50.00	Sequence
DRB1_0405	62	EVFGVDDPRWQGVSG	FGVDDPRWQ	0.2283	4230.3	50.00	Sequence
DRB1_0405	6	VGLGTDVHPIEPGRP	GLGTDVHPI	0.2272	4277.0	50.00	Sequence
DRB1_0405	54	AAGLGDIGEVFGVDD	GLGDIGEVF	0.2225	4503.7	50.00	Sequence
DRB1_0405	132	TTTDGLGLTGRGEG	GLGLTGRGE	0.2214	4556.9	50.00	Sequence
DRB1_0405	130	SATTTDGLGLTGRGE	GLGLTGRGE	0.2197	4639.9	50.00	Sequence
DRB1_0405	131	ATTTDGLGLTGRGEG	GLGLTGRGE	0.2156	4848.9	50.00	Sequence
DRB1_0405	53	SAAGLGDIGEVFGVD	GLGDIGEVF	0.2136	4956.7	50.00	Sequence
DRB1_0405	36	GHSDDVAVHALCDA	DVAVHALCD	0.2124	5020.2	50.00	Sequence
DRB1_0405	135	DGLGLTGRGEGLAII	GRGEGLAII	0.2114	5077.8	50.00	Sequence
DRB1_0405	133	TTDGLGLTGRGEGLA	GLGLTGRGE	0.2068	5336.6	50.00	Sequence
DRB1_0405	35	AGHSDGDVAVHALCD	DVAVHALCD	0.2034	5537.0	50.00	Sequence
DRB1_0405	14	PIEPGRPCWLVLGLLF	PCWLVLGLLF	0.2011	5673.2	50.00	Sequence
DRB1_0405	33	GCAGHSDGDVAVHAL	CAGHSDGDV	0.1986	5828.4	50.00	Sequence
DRB1_0405	134	TDGLGLTGRGEGLA	DGLGLTGRG	0.1913	6310.3	50.00	Sequence
DRB1_0405	34	CAGHSDGDVAVHALC	CAGHSDGDV	0.1903	6377.7	50.00	Sequence
DRB1_0405	100	QVIGNRPKIGWRRLE	QVIGNRPKI	0.1900	6402.0	50.00	Sequence
DRB1_0405	32	DGCAGHSDGDVAVHA	CAGHSDGDV	0.1899	6406.4	50.00	Sequence
DRB1_0405	7	GLGTDVHPIEPGRPC	GLGTDVHPI	0.1857	6701.7	50.00	Sequence
DRB1_0405	31	ADGCAGHSDGDVAVH	CAGHSDGDV	0.1782	7270.2	50.00	Sequence
DRB1_0405	128	VSVSATTTDGLGLTGR	VSATTTDGL	0.1665	8251.0	50.00	Sequence
DRB1_0405	101	VIGNRPKIGWRRLEA	KIGWRRLEA	0.1639	8486.6	50.00	Sequence
DRB1_0405	13	HPIEPGRPCWLVLGLL	RPCWLVLGLL	0.1584	9008.7	50.00	Sequence
DRB1_0405	129	VSATTTDGLGLTGRG	VSATTTDGL	0.1486	10019.2	50.00	Sequence
DRB1_0405	30	SADGCAGHSDGDVAV	CAGHSDGDV	0.1481	10073.8	50.00	Sequence

DRB1_0405	8	LGTDVHPIEPGRPCW	GTDVHPIEP	0.1309	12133.4	50.00	Sequence
DRB1_0405	29	PSADGCAGHSDGDVA	CAGHSDGDV	0.1226	13275.3	50.00	Sequence
DRB1_0405	9	GTDVHPIEPGRPCWL	DVHPIEPGR	0.1163	14205.5	50.00	Sequence
DRB1_0405	12	VHPIEPGRPCWLVLG	EPGRPCWL	0.1125	14803.7	50.00	Sequence
DRB1_0405	28	FPSADGCAGHSDGDV	CAGHSDGDV	0.1115	14960.8	50.00	Sequence
DRB1_0405	11	DVHPIEPGRPCWL	EPGRPCWL	0.1027	16458.0	50.00	Sequence
DRB1_0405	26	LLFPSADGCAGHSDG	LLFPSADGC	0.1012	16725.1	50.00	Sequence
DRB1_0405	10	TDVHPIEPGRPCWL	EPGRPCWL	0.0979	17334.2	50.00	Sequence
DRB1_0405	27	LFPSADGCAGHSDGD	GCAGHSDGD	0.0855	19827.6	50.00	Sequence

Allele: DRB1_0405. Number of high binders 12. Number of weak binders 45. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB1_0701	109	GWRRLEAQAVLSRLL	AQAVLSRLL	0.8197	7.0	SB	4.00 Sequence
DRB1_0701	110	WRRLEAQAVLSRLLN	AQAVLSRLL	0.7955	9.1	SB	4.00 Sequence
DRB1_0701	111	RRLEAQAVLSRLLNA	AQAVLSRLL	0.7573	13.8	SB	8.00 Sequence
DRB1_0701	113	LEAQAVLSRLLNAPV	AQAVLSRLL	0.7418	16.3	SB	8.00 Sequence
DRB1_0701	141	GRGEGLAAIATALV	GLAAIATAL	0.7365	17.3	SB	8.00 Sequence
DRB1_0701	140	TGRGEGLAAIATAL	GLAAIATAL	0.7348	17.6	SB	8.00 Sequence
DRB1_0701	112	RLEAQAVLSRLLNAP	AQAVLSRLL	0.7086	23.4	SB	8.00 Sequence
DRB1_0701	114	EAQAVLSRLLNAPVS	AQAVLSRLL	0.7076	23.7	SB	8.00 Sequence
DRB1_0701	139	LTGRGEGLAAIATAL	GLAAIATAL	0.7011	25.4	SB	16.00 Sequence
DRB1_0701	142	RGEGLAAIATALVVS	GLAAIATAL	0.7011	25.4	SB	16.00 Sequence
DRB1_0701	85	VLITQHG YRVGNVAV	GYRVGNVAV	0.6966	26.7	SB	16.00 Sequence
DRB1_0701	80	LRHVVLITQHG YRV	LITQHG YRV	0.6931	27.7	SB	16.00 Sequence
DRB1_0701	143	GEGLAAIATALVVS	GLAAIATAL	0.6782	32.5	SB	16.00 Sequence
DRB1_0701	115	AQAVLSRLLNAPVSV	AQAVLSRLL	0.6747	33.8	SB	16.00 Sequence
DRB1_0701	86	LITQHG YRVGNVAVVQ	GYRVGNVAV	0.6631	38.3	SB	16.00 Sequence
DRB1_0701	144	EGLAAIATALVVS	GLAAIATAL	0.6467	45.7	SB	16.00 Sequence
DRB1_0701	81	RHVVLITQHG YRVG	LITQHG YRV	0.6311	54.1	WB	16.00 Sequence
DRB1_0701	74	VSGADMLRHVVVLIT	LRHVVLIT	0.6139	65.2	WB	16.00 Sequence
DRB1_0701	88	TQHG YRVGNVAVVQVI	GYRVGNVAV	0.5984	77.1	WB	32.00 Sequence
DRB1_0701	104	NRPKIGWRRLEAQAV	WRRLEAQAV	0.5976	77.8	WB	32.00 Sequence
DRB1_0701	105	RPKIGWRRLEAQAVL	WRRLEAQAV	0.5937	81.2	WB	32.00 Sequence
DRB1_0701	46	ALCDAVLSAAGL GDI	LSAAGL GDI	0.5934	81.4	WB	32.00 Sequence
DRB1_0701	123	LNAPVSVSATT T DGL	VSATT T DGL	0.5913	83.3	WB	32.00 Sequence
DRB1_0701	82	HVVVLITQHG YRVGN	LITQHG YRV	0.5869	87.3	WB	32.00 Sequence
DRB1_0701	75	SGADMLRHVVVLITQ	LRHVVLIT	0.5817	92.4	WB	32.00 Sequence
DRB1_0701	65	GVDDPRWQGVSGADM	WQGVSGADM	0.5804	93.7	WB	32.00 Sequence
DRB1_0701	87	ITQHG YRVGNVAVVQV	GYRVGNVAV	0.5798	94.3	WB	32.00 Sequence
DRB1_0701	120	SRLLNAPVSVSATT T	PVSVSATT T	0.5703	104.5	WB	32.00 Sequence
DRB1_0701	66	VDDPRWQGVSGADML	WQGVSGADM	0.5621	114.2	WB	32.00 Sequence
DRB1_0701	106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.5610	115.6	WB	32.00 Sequence
DRB1_0701	79	MLRHVVVLITQHG YR	VLITQHG YR	0.5607	115.9	WB	32.00 Sequence
DRB1_0701	67	DDPRWQGVSGADMLR	WQGVSGADM	0.5559	122.2	WB	32.00 Sequence
DRB1_0701	89	QHG YRVGNVAVVQVIG	GYRVGNVAV	0.5506	129.3	WB	32.00 Sequence
DRB1_0701	76	GADMLRHVVVLITQH	LRHVVLIT	0.5462	135.6	WB	32.00 Sequence
DRB1_0701	121	RLLNAPVSVSATT T D	PVSVSATT T	0.5452	137.2	WB	32.00 Sequence
DRB1_0701	116	QAVLSRLLNAPVSVS	LLNAPVSVS	0.5441	138.7	WB	32.00 Sequence
DRB1_0701	83	VVVLITQHG YRVGNA	LITQHG YRV	0.5419	142.0	WB	32.00 Sequence
DRB1_0701	124	NAPVSVSATT T DGLG	VSATT T DGL	0.5395	145.9	WB	32.00 Sequence
DRB1_0701	47	LCDAVLSAAGL GDI	LSAAGL GDI	0.5376	148.8	WB	32.00 Sequence
DRB1_0701	78	DMLRHVVVLITQHG Y	LRHVVLIT	0.5322	157.9	WB	32.00 Sequence
DRB1_0701	84	VVLITQHG YRVGNAV	LITQHG YRV	0.5277	165.7	WB	32.00 Sequence
DRB1_0701	38	SDGDVAVHALCDAVL	VHALCDAVL	0.5253	170.1	WB	32.00 Sequence

DRB1_0701	125	APVSVSATTDDGLGL VSATTDDGL	0.5227	174.9	WB	32.00	Sequence
DRB1_0701	117	AVLSRLLNAPVSVSA LLNAPVSVS	0.5189	182.3	WB	32.00	Sequence
DRB1_0701	68	DPRWQGVSGADMLRH WQGVSGADM	0.5137	192.7	WB	32.00	Sequence
DRB1_0701	77	ADMLRHVVVLITQHG LRHVVLIT	0.5130	194.2	WB	32.00	Sequence
DRB1_0701	73	GVSGADMLRHVVLI MLRHVVLI	0.5040	214.1	WB	32.00	Sequence
DRB1_0701	71	WQGVSGADMLRHVVV WQGVSGADM	0.5019	219.1	WB	32.00	Sequence
DRB1_0701	90	HGYRVGNAVQVIGN GYRVGNVAV	0.5001	223.3	WB	32.00	Sequence
DRB1_0701	48	CDAVLSAAGLDIGE LSAAGLDI	0.4880	254.6	WB	32.00	Sequence
DRB1_0701	107	KIGWRRLEAQAVLSR WRRLEAQAV	0.4868	258.0	WB	32.00	Sequence
DRB1_0701	39	DGDVAVHALCDAVLS VHALCDAVL	0.4804	276.3	WB	32.00	Sequence
DRB1_0701	118	VLSRLLNAPVSVSAT LLNAPVSVS	0.4798	278.1	WB	32.00	Sequence
DRB1_0701	69	PRWQGVSGADMLRHV WQGVSGADM	0.4798	278.3	WB	32.00	Sequence
DRB1_0701	126	PVSVSATTDDGLGLT VSATTDDGL	0.4742	295.6	WB	32.00	Sequence
DRB1_0701	122	LLNAPVSVSATTDDG PVSVSATTT	0.4735	297.9	WB	32.00	Sequence
DRB1_0701	49	DAVLSAAGLDIGEVS LSAAGLDI	0.4491	388.0	WB	50.00	Sequence
DRB1_0701	70	RWQGVSGADMLRHVV WQGVSGADM	0.4484	390.7	WB	50.00	Sequence
DRB1_0701	108	IGWRRLEAQAVLSRL WRRLEAQAV	0.4437	411.2	WB	50.00	Sequence
DRB1_0701	91	GYRVGNVAVQVIGNR GYRVGNVAV	0.4379	438.0	WB	50.00	Sequence
DRB1_0701	44	VHALCDAVLSAAGLG AVLSAAGLG	0.4373	440.8	WB	50.00	Sequence
DRB1_0701	119	LSRLLNAPVSVSATT LLNAPVSVS	0.4352	450.9	WB	50.00	Sequence
DRB1_0701	40	GDVAVHALCDAVLSA VHALCDAVL	0.4297	478.2	WB	50.00	Sequence
DRB1_0701	50	AVLSAAGLDIGEVS LSAAGLDI	0.4236	511.2	50.00	50.00	Sequence
DRB1_0701	45	HALCDAVLSAAGLD AVLSAAGLG	0.4138	568.2	50.00	50.00	Sequence
DRB1_0701	127	VSVSATTDDGLGLTG VSATTDDGL	0.4051	624.1	50.00	50.00	Sequence
DRB1_0701	72	QGVSGADMLRHVVVL ADMLRHVVV	0.3975	677.9	50.00	50.00	Sequence
DRB1_0701	41	DVAVHALCDAVLSAA VHALCDAVL	0.3891	742.1	50.00	50.00	Sequence
DRB1_0701	51	VLSAAGLDIGEVSFG LSAAGLDI	0.3878	753.2	50.00	50.00	Sequence
DRB1_0701	37	HSDGDVAVHALCDAV AVHALCDAV	0.3695	917.8	50.00	50.00	Sequence
DRB1_0701	42	VAVHALCDAVLSAAG VHALCDAVL	0.3660	953.3	50.00	50.00	Sequence
DRB1_0701	95	GNAVQVIGNRPNKIG VIGNRPNKIG	0.3616	999.7	50.00	50.00	Sequence
DRB1_0701	128	SVSATTDDGLGLTGR VSATTDDGL	0.3586	1032.8	50.00	50.00	Sequence
DRB1_0701	92	YRVGNVAVQVIGNRP VVQVIGNRP	0.3530	1097.1	50.00	50.00	Sequence
DRB1_0701	43	AVHALCDAVLSAAGL VHALCDAVL	0.3442	1206.0	50.00	50.00	Sequence
DRB1_0701	93	RVGNVAVQVIGNRPNK VGNVAVQVI	0.3433	1218.3	50.00	50.00	Sequence
DRB1_0701	129	VSATTDDGLGLTGRG VSATTDDGL	0.3286	1428.5	50.00	50.00	Sequence
DRB1_0701	52	LSAAGLDIGEVSFGV LSAAGLDI	0.3277	1442.7	50.00	50.00	Sequence
DRB1_0701	96	NAVQVIGNRPNKIGW VIGNRPNKIG	0.3270	1453.7	50.00	50.00	Sequence
DRB1_0701	10	TDVHPIEPGRPCWL V IEPGRPCWL	0.3264	1463.1	50.00	50.00	Sequence
DRB1_0701	9	GTDVHPIEPGRPCWL IEPGRPCWL	0.3135	1681.6	50.00	50.00	Sequence
DRB1_0701	94	VGNVAVQVIGNRPNKI VVQVIGNRP	0.3109	1729.2	50.00	50.00	Sequence
DRB1_0701	97	AVQVIGNRPNKIGWR VIGNRPNKIG	0.2891	2191.2	50.00	50.00	Sequence
DRB1_0701	11	DVHPIEPGRPCWL V IEPGRPCWL	0.2859	2268.2	50.00	50.00	Sequence
DRB1_0701	12	VHPIEPGRPCWL V IEPGRPCWL	0.2840	2315.5	50.00	50.00	Sequence
DRB1_0701	15	IEPGRPCWL V IEPGRPCWL	0.2835	2326.2	50.00	50.00	Sequence
DRB1_0701	14	PIEPGRPCWL V IEPGRPCWL	0.2817	2371.6	50.00	50.00	Sequence
DRB1_0701	1	NQLPRVGLGTDVHPI GLGTDVHPI	0.2814	2381.3	50.00	50.00	Sequence
DRB1_0701	13	HPIEPGRPCWL V IEPGRPCWL	0.2703	2684.8	50.00	50.00	Sequence
DRB1_0701	98	VVQVIGNRPNKIGWRR VIGNRPNKIG	0.2462	3484.2	50.00	50.00	Sequence
DRB1_0701	2	QLPRVGLGTDVHPIE GLGTDVHPI	0.2446	3546.5	50.00	50.00	Sequence
DRB1_0701	20	PCWL VGLLFP SADGC LLFPSADGC	0.2159	4836.8	50.00	50.00	Sequence
DRB1_0701	133	TTDGLGLTGRGEGLA LTGRGEGLA	0.2153	4868.0	50.00	50.00	Sequence
DRB1_0701	99	VQVIGNRPNKIGWRR VIGNRPNKIG	0.2137	4951.0	50.00	50.00	Sequence
DRB1_0701	3	LPRVGLGTDVHPIE GLGTDVHPI	0.2061	5378.5	50.00	50.00	Sequence
DRB1_0701	22	WL VGLLFP SADGC CAG LLFPSADGC	0.2056	5406.1	50.00	50.00	Sequence
DRB1_0701	21	CWL VGLLFP SADGC CAG LLFPSADGC	0.1967	5950.3	50.00	50.00	Sequence
DRB1_0701	134	TDGLGLTGRGEGLAA LTGRGEGLA	0.1947	6085.7	50.00	50.00	Sequence
DRB1_0701	135	DGLGLTGRGEGLAAI LTGRGEGLA	0.1938	6144.1	50.00	50.00	Sequence
DRB1_0701	100	QVIGNRPNKIGWRRLE VIGNRPNKIG	0.1853	6735.8	50.00	50.00	Sequence
DRB1_0701	132	TTDGLGLTGRGEGL GLTGRGEGL	0.1814	7021.6	50.00	50.00	Sequence

DRB1_0701	23	LVGLLFPSADGCAGH	LLFPSADGC	0.1763	7424.7	50.00	Sequence
DRB1_0701	136	GLGLTGRGEGLAIA	GLTGRGEG	0.1734	7662.2	50.00	Sequence
DRB1_0701	28	FPSADGCAGHSDGDV	CAGHSDGDV	0.1714	7827.0	50.00	Sequence
DRB1_0701	30	SADGCAGHSDGDVAV	CAGHSDGDV	0.1695	7992.2	50.00	Sequence
DRB1_0701	4	PRVGLGTDVHPIEPG	GLGTDVHPI	0.1676	8156.6	50.00	Sequence
DRB1_0701	137	LGLTGRGEGLAIIAT	LTGRGEG	0.1645	8431.1	50.00	Sequence
DRB1_0701	16	EPGRPCWLVLGLLFPS	CWLVLGLLFP	0.1633	8540.5	50.00	Sequence
DRB1_0701	101	VIGNRPKIGWRRLEA	VIGNRPKIG	0.1609	8768.2	50.00	Sequence
DRB1_0701	24	VGLLFPSADGCAGHS	LLFPSADGC	0.1599	8862.2	50.00	Sequence
DRB1_0701	34	CAGHSDGDVAVHALC	GDVAVHALC	0.1550	9345.7	50.00	Sequence
DRB1_0701	6	VGLGTDVHPIEPGRP	GLGTDVHPI	0.1493	9946.0	50.00	Sequence
DRB1_0701	29	PSADGCAGHSDGDVA	CAGHSDGDV	0.1492	9950.3	50.00	Sequence
DRB1_0701	31	ADGCAGHSDGDVAVH	CAGHSDGDV	0.1472	10167.1	50.00	Sequence
DRB1_0701	5	RVGLGTDVHPIEPGR	GLGTDVHPI	0.1472	10168.2	50.00	Sequence
DRB1_0701	138	GLTGRGEGLAIIATA	LTGRGEG	0.1449	10424.9	50.00	Sequence
DRB1_0701	57	LGDIGEVFGVDDPRW	VFGVDDPRW	0.1439	10542.3	50.00	Sequence
DRB1_0701	25	GLLFPSADGCAGHSD	LLFPSADGC	0.1422	10736.0	50.00	Sequence
DRB1_0701	58	GDIGEVFGVDDPRWQ	VFGVDDPRW	0.1362	11459.3	50.00	Sequence
DRB1_0701	7	GLGTDVHPIEPGRPC	GLGTDVHPI	0.1359	11486.5	50.00	Sequence
DRB1_0701	32	DGCAGHSDGDVAVHA	CAGHSDGDV	0.1346	11650.2	50.00	Sequence
DRB1_0701	26	LLFPSADGCAGHSDG	LLFPSADGC	0.1318	12017.0	50.00	Sequence
DRB1_0701	35	AGHSDGDVAVHALCD	GDVAVHALC	0.1313	12079.8	50.00	Sequence
DRB1_0701	59	DIGEVFGVDDPRWQG	VFGVDDPRW	0.1313	12084.3	50.00	Sequence
DRB1_0701	0	VNQLPRVGLGTDVHP	VNQLPRVGL	0.1311	12110.3	50.00	Sequence
DRB1_0701	36	GHSDGDVAVHALCDA	GDVAVHALC	0.1289	12398.3	50.00	Sequence
DRB1_0701	33	GCAGHSDGDVAVHAL	CAGHSDGDV	0.1277	12554.6	50.00	Sequence
DRB1_0701	60	IGEVFGVDDPRWQGV	VFGVDDPRW	0.1266	12711.0	50.00	Sequence
DRB1_0701	17	PGRPCWLVLGLLFPSA	CWLVLGLLFP	0.1237	13112.4	50.00	Sequence
DRB1_0701	61	GEVFGVDDPRWQGV	VFGVDDPRW	0.1137	14616.3	50.00	Sequence
DRB1_0701	130	SATTTDGLGLTGRGE	ATTTDGLGL	0.1118	14922.7	50.00	Sequence
DRB1_0701	131	ATTTDGLGLTGRGEG	ATTTDGLGL	0.1094	15304.6	50.00	Sequence
DRB1_0701	19	RPCWLVLGLLFPSADG	GLLFPSADG	0.1088	15409.3	50.00	Sequence
DRB1_0701	18	GRPCWLVLGLLFPSAD	CWLVLGLLFP	0.1081	15526.8	50.00	Sequence
DRB1_0701	62	EVFGVDDPRWQGV	VFGVDDPRW	0.1031	16386.2	50.00	Sequence
DRB1_0701	27	LFPSADGCAGHSDGD	LFPSADGCA	0.1018	16614.4	50.00	Sequence
DRB1_0701	63	VFGVDDPRWQGV	VFGVDDPRW	0.0960	17703.6	50.00	Sequence
DRB1_0701	54	AAGLDIGEVFGVDD	GLGDIGEVF	0.0839	20175.8	50.00	Sequence
DRB1_0701	55	AGLDIGEVFGVDDP	GLGDIGEVF	0.0781	21466.9	50.00	Sequence
DRB1_0701	8	LGTDVHPIEPGRPCW	VHPIEPGRP	0.0752	22167.4	50.00	Sequence
DRB1_0701	102	IGNRPKIGWRRLEAQ	GNRPKIGWR	0.0751	22180.6	50.00	Sequence
DRB1_0701	53	SAAGLDIGEVFGVD	GLGDIGEVF	0.0724	22849.8	50.00	Sequence
DRB1_0701	56	GLGDIGEVFGVDDPR	GLGDIGEVF	0.0710	23183.5	50.00	Sequence
DRB1_0701	103	GNRPKIGWRRLEAQA	GNRPKIGWR	0.0670	24229.3	50.00	Sequence
DRB1_0701	64	FGVDDPRWQGV	GVDDPRWQG	0.0450	30723.4	50.00	Sequence

Allele: DRB1_0701. Number of high binders 16. Number of weak binders 47. Number of peptides 145

Allele	pos	peptide	core	1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB1_0802	105	RPKIGWRRLEAQAVL	RPKIGWRRL	0.6229	59.2	WB	2.00	Sequence
DRB1_0802	104	NRPKIGWRRLEAQAV	RPKIGWRRL	0.6061	71.0	WB	2.00	Sequence
DRB1_0802	90	HGYRVGNVAVVQVIGN	GYRVGNVAVV	0.5645	111.3	WB	4.00	Sequence
DRB1_0802	103	GNRPKIGWRRLEAQA	RPKIGWRRL	0.5585	118.8	WB	4.00	Sequence
DRB1_0802	91	GYRVGNVAVVQVIGNR	GYRVGNVAVV	0.5584	118.8	WB	4.00	Sequence
DRB1_0802	89	QHGYRVGNVAVVQVIG	GYRVGNVAVV	0.5446	138.0	WB	8.00	Sequence
DRB1_0802	86	LITQHGYRVGNVAVVQ	ITQHGYRVG	0.5426	141.0	WB	8.00	Sequence

DRB1_0802	87	ITQHGYRVGNNAVQV	ITQHGYRVG	0.5342	154.4	WB	8.00	Sequence
DRB1_0802	98	VVQVIGNRPKIGWRR	VVQVIGNRP	0.5151	189.9	WB	8.00	Sequence
DRB1_0802	85	VLITQHGYRVGNNAV	GYRVGNNAV	0.5127	194.8	WB	8.00	Sequence
DRB1_0802	106	PKIGWRRLEAQAVLS	PKIGWRRLE	0.5106	199.5	WB	8.00	Sequence
DRB1_0802	99	VQVIGNRPKIGWRR	VQVIGNRPK	0.5092	202.5	WB	8.00	Sequence
DRB1_0802	100	QVIGNRPKIGWRRLE	RPKIGWRR	0.5079	205.4	WB	8.00	Sequence
DRB1_0802	102	IGNRPKIGWRRLEAQ	RPKIGWRR	0.5014	220.3	WB	8.00	Sequence
DRB1_0802	88	TQHGYRVGNNAVQVI	GYRVGNNAV	0.4982	228.0	WB	8.00	Sequence
DRB1_0802	92	YRVGNNAVQVIGNRP	YRVGNNAVQ	0.4906	247.6	WB	8.00	Sequence
DRB1_0802	101	VIGNRPKIGWRRLEA	RPKIGWRR	0.4848	263.7	WB	16.00	Sequence
DRB1_0802	97	AVVQVIGNRPKIGWR	VVQVIGNRP	0.4805	276.3	WB	16.00	Sequence
DRB1_0802	107	KIGWRRLEAQAVLSR	GWRRLEAQA	0.4745	294.7	WB	16.00	Sequence
DRB1_0802	95	GNAVQVIGNRPKIG	GNAVQVIG	0.4640	330.1	WB	16.00	Sequence
DRB1_0802	96	NAVQVIGNRPKIGW	VVQVIGNRP	0.4607	342.1	WB	16.00	Sequence
DRB1_0802	93	RVGNNAVQVIGNRPK	GNAVQVIG	0.4540	367.9	WB	16.00	Sequence
DRB1_0802	115	AQAVLSRLLNAPVSV	VLSRLLNAP	0.4500	384.1	WB	16.00	Sequence
DRB1_0802	94	VGNNAVQVIGNRPKI	GNAVQVIG	0.4471	396.5	WB	16.00	Sequence
DRB1_0802	108	IGWRRLEAQAVLSRL	GWRRLEAQA	0.4390	432.5	WB	16.00	Sequence
DRB1_0802	114	EAQAVLSRLLNAPVS	QAVLSRLLN	0.4389	432.9	WB	16.00	Sequence
DRB1_0802	116	QAVLSRLLNAPVSVS	VLSRLLNAP	0.4355	449.3	WB	16.00	Sequence
DRB1_0802	82	HVVVLITQHGYRVGN	VVVLITQHG	0.4305	474.2	WB	16.00	Sequence
DRB1_0802	81	RHVVLITQHGYRVG	ITQHGYRVG	0.4276	489.2	WB	16.00	Sequence
DRB1_0802	75	SGADMLRHVVVLITQ	GADMLRHVV	0.4204	528.9		16.00	Sequence
DRB1_0802	76	GADMLRHVVVLITQH	GADMLRHVV	0.4204	529.2		16.00	Sequence
DRB1_0802	109	GWRRLEAQAVLSRLL	GWRRLEAQA	0.4202	530.4		16.00	Sequence
DRB1_0802	83	VVVLITQHGYRVGNA	VVVLITQHG	0.4102	591.0		16.00	Sequence
DRB1_0802	118	VLSRLLNAPVSVSAT	VLSRLLNAP	0.4050	624.7		32.00	Sequence
DRB1_0802	74	VSGADMLRHVVVLIT	GADMLRHVV	0.4039	632.7		32.00	Sequence
DRB1_0802	113	LEAQAVLSRLLNAPV	AQAVLSRLL	0.4004	657.2		32.00	Sequence
DRB1_0802	84	VVLITQHGYRVGNNAV	LITQHGYRV	0.4000	659.7		32.00	Sequence
DRB1_0802	117	AVLSRLLNAPVSVSA	VLSRLLNAP	0.3958	690.5		32.00	Sequence
DRB1_0802	73	GVSGADMLRHVVVLI	MLRHVVVLI	0.3781	835.8		32.00	Sequence
DRB1_0802	80	LRHVVLITQHGYRV	VVVLITQHG	0.3779	838.3		32.00	Sequence
DRB1_0802	79	MLRHVVVLITQHGYR	MLRHVVVLI	0.3754	861.0		32.00	Sequence
DRB1_0802	112	RLEAQAVLSRLLNAP	AQAVLSRLL	0.3735	878.7		32.00	Sequence
DRB1_0802	110	WRRLEAQAVLSRLLN	WRRLEAQAV	0.3682	930.4		32.00	Sequence
DRB1_0802	71	WQGVSGADMLRHVVV	WQGVSGADM	0.3559	1063.1		32.00	Sequence
DRB1_0802	77	ADMLRHVVVLITQHG	MLRHVVVLI	0.3546	1078.4		32.00	Sequence
DRB1_0802	78	DMLRHVVVLITQHGY	MLRHVVVLI	0.3449	1196.9		32.00	Sequence
DRB1_0802	69	PRWQGVSGADMLRHV	PRWQGVSGA	0.3405	1255.9		32.00	Sequence
DRB1_0802	111	RRLEAQAVLSRLLNA	AQAVLSRLL	0.3390	1275.8		32.00	Sequence
DRB1_0802	68	DPRWQGVSGADMLRH	PRWQGVSGA	0.3371	1303.3		32.00	Sequence
DRB1_0802	67	DDPRWQGVSGADMLR	PRWQGVSGA	0.3339	1348.8		32.00	Sequence
DRB1_0802	70	RWQGVSGADMLRHVV	WQGVSGADM	0.3329	1363.8		32.00	Sequence
DRB1_0802	72	QGVSGADMLRHVVVL	GVSGADMLR	0.3299	1408.9		32.00	Sequence
DRB1_0802	119	LSRLLNAPVSVSATT	LSRLLNAPV	0.3139	1674.6		50.00	Sequence
DRB1_0802	21	CWLVGLLFPSADGCA	WLVGLLFPS	0.3054	1836.0		50.00	Sequence
DRB1_0802	66	VDDPRWQGVSGADML	PRWQGVSGA	0.3019	1907.2		50.00	Sequence
DRB1_0802	136	GLGLTGRGEGLAIA	GLGLTGRGE	0.3016	1913.2		50.00	Sequence
DRB1_0802	19	RPCWLVGLLFPSADG	WLVGLLFPS	0.3010	1926.7		50.00	Sequence
DRB1_0802	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.2920	2122.8		50.00	Sequence
DRB1_0802	20	PCWLVGLLFPSADGC	WLVGLLFPS	0.2915	2133.1		50.00	Sequence
DRB1_0802	22	WLVGLLFPSADGCAG	WLVGLLFPS	0.2830	2338.9		50.00	Sequence
DRB1_0802	139	LTGRGEGLAAIATAL	LTGRGEGLA	0.2827	2346.9		50.00	Sequence
DRB1_0802	137	LGLTGRGEGLAAIAT	RGEGLAIA	0.2818	2369.0		50.00	Sequence
DRB1_0802	17	PGRPCWLVGLLFPSA	WLVGLLFPS	0.2798	2421.8		50.00	Sequence
DRB1_0802	18	GRPCWLVGLLFPSAD	WLVGLLFPS	0.2768	2502.8		50.00	Sequence
DRB1_0802	141	GRGEGLAAIATALVV	GLAAIATAL	0.2748	2556.0		50.00	Sequence
DRB1_0802	64	FGVDDPRWQGVSGAD	FGVDDPRWQ	0.2708	2670.2		50.00	Sequence

DRB1_0802	140	TGRGEGLAAIATALV GLAAIATAL	0.2680	2750.8	50.00	Sequence
DRB1_0802	138	GLTGRGEGLAAIATA LTGRGEGLA	0.2651	2839.3	50.00	Sequence
DRB1_0802	142	RGEGLAAIATALVVS GLAAIATAL	0.2621	2933.3	50.00	Sequence
DRB1_0802	65	GVDDPRWQGVSGADM RWQGVSGAD	0.2618	2943.6	50.00	Sequence
DRB1_0802	120	SRLLNAPVSVSATTT LNAPVSVSA	0.2548	3173.4	50.00	Sequence
DRB1_0802	135	DGLGLTGRGEGLAAI GLGLTGRGE	0.2530	3238.3	50.00	Sequence
DRB1_0802	16	EPGRPCWLVLGLLFPS WLVLGLLFPS	0.2480	3416.1	50.00	Sequence
DRB1_0802	62	EVFGVDDPRWQGVSG VFGVDDPRW	0.2437	3579.2	50.00	Sequence
DRB1_0802	121	RLLNAPVSVSATTTD LNAPVSVSA	0.2359	3894.8	50.00	Sequence
DRB1_0802	143	GEGLAAIATALVVS L GLAAIATAL	0.2343	3962.2	50.00	Sequence
DRB1_0802	134	TDGLGLTGRGEGLAAI GLGLTGRGE	0.2318	4073.4	50.00	Sequence
DRB1_0802	133	TTDGLGLTGRGEGLA GLGLTGRGE	0.2290	4197.0	50.00	Sequence
DRB1_0802	144	EGLAAIATALVVS LR GLAAIATAL	0.2266	4309.1	50.00	Sequence
DRB1_0802	5	RVGLGTDVHPIEPGR GLGTDVHPI	0.2159	4833.1	50.00	Sequence
DRB1_0802	122	LLNAPVSVSATTDDG LNAPVSVSA	0.2150	4880.5	50.00	Sequence
DRB1_0802	23	LVGLLFPSADGCAGH LVGLLFPSA	0.2111	5092.5	50.00	Sequence
DRB1_0802	6	VGLGTDVHPIEPGRP GLGTDVHPI	0.2060	5381.7	50.00	Sequence
DRB1_0802	61	GEVFGVDDPRWQGVSG VGVDDPRWQ	0.2045	5471.3	50.00	Sequence
DRB1_0802	7	GLGTDVHPIEPGRPC GLGTDVHPI	0.1990	5808.7	50.00	Sequence
DRB1_0802	47	LCDAVLSAAGLDIG CDAVLSAAG	0.1970	5933.8	50.00	Sequence
DRB1_0802	0	VNQLPRVGLGTDVHP VNQLPRVGL	0.1945	6096.0	50.00	Sequence
DRB1_0802	48	CDAVLSAAGLDIGE CDAVLSAAG	0.1936	6156.2	50.00	Sequence
DRB1_0802	45	HALCDAVLSAAGLDI CDAVLSAAG	0.1924	6235.8	50.00	Sequence
DRB1_0802	46	ALCDAVLSAAGLDI CDAVLSAAG	0.1912	6314.6	50.00	Sequence
DRB1_0802	2	QLPRVGLGTDVHPIE QLPRVGLGT	0.1885	6507.5	50.00	Sequence
DRB1_0802	132	TTDGLGLTGRGEG L GLGLTGRGE	0.1874	6579.2	50.00	Sequence
DRB1_0802	123	LNAPVSVSATTDDGL LNAPVSVSA	0.1871	6604.2	50.00	Sequence
DRB1_0802	4	PRVGLGTDVHPIEPG GLGTDVHPI	0.1859	6693.3	50.00	Sequence
DRB1_0802	60	IGEFGVDDPRWQGV FGVDDPRWQ	0.1795	7171.9	50.00	Sequence
DRB1_0802	43	AVHALCDAVLSAAGL CDAVLSAAG	0.1766	7402.2	50.00	Sequence
DRB1_0802	44	VHALCDAVLSAAGLG CDAVLSAAG	0.1763	7420.3	50.00	Sequence
DRB1_0802	1	NQLPRVGLGTDVHPI QLPRVGLGT	0.1753	7504.6	50.00	Sequence
DRB1_0802	15	IEPGRPCWLVLGLLFP CWLVGLLFP	0.1719	7780.3	50.00	Sequence
DRB1_0802	59	DIGEFGVDDPRWQGV FGVDDPRWQ	0.1688	8053.3	50.00	Sequence
DRB1_0802	131	ATTTDGLGLTGRGEG L GLGLTGRGE	0.1664	8264.6	50.00	Sequence
DRB1_0802	14	PIEPGRPCWLVLGLLF PIEPGRPCW	0.1642	8456.3	50.00	Sequence
DRB1_0802	3	LPRVGLGTDVHPIEP GLGTDVHPI	0.1638	8493.5	50.00	Sequence
DRB1_0802	42	VAVHALCDAVLSAAG HALCDAVLS	0.1623	8633.8	50.00	Sequence
DRB1_0802	13	HPIEPGRPCWLVLG L PIEPGRPCW	0.1572	9128.1	50.00	Sequence
DRB1_0802	24	VGLLFPSADGCAGHS GLLFPSADG	0.1487	10002.3	50.00	Sequence
DRB1_0802	58	GDIGEFGVDDPRWQ VFGVDDPRW	0.1449	10424.0	50.00	Sequence
DRB1_0802	124	NAPVSVSATTDDGLG PVSVSATTT	0.1443	10489.7	50.00	Sequence
DRB1_0802	49	DAVLSAAGLDIGE AVLSAAGLG	0.1442	10509.9	50.00	Sequence
DRB1_0802	130	SATTTDGLGLTGRGE GLGLTGRGE	0.1378	11258.2	50.00	Sequence
DRB1_0802	25	GLLFPSADGCAGHSD GLLFPSADG	0.1375	11290.9	50.00	Sequence
DRB1_0802	126	PVSVSATTTDGLGLT PVSVSATTT	0.1374	11302.4	50.00	Sequence
DRB1_0802	12	VHPIEPGRPCWLVLG L PIEPGRPCW	0.1370	11360.4	50.00	Sequence
DRB1_0802	125	APVSVSATTDDGLGL PVSVSATTT	0.1351	11591.9	50.00	Sequence
DRB1_0802	11	DVHPIEPGRPCWLVLG L PIEPGRPCW	0.1304	12200.3	50.00	Sequence
DRB1_0802	39	DGDVAVHALCDAVLS GDVAVHALC	0.1247	12978.1	50.00	Sequence
DRB1_0802	10	TDVHPIEPGRPCWLVLG L PIEPGRPCW	0.1209	13519.6	50.00	Sequence
DRB1_0802	9	GTDVHPIEPGRPCWLVLG L PIEPGRPCW	0.1196	13704.7	50.00	Sequence
DRB1_0802	8	LGTDVHPIEPGRPCW LGTDVHPIE	0.1194	13738.0	50.00	Sequence
DRB1_0802	40	GDVAVHALCDAVLSA AVHALCDAV	0.1187	13836.1	50.00	Sequence
DRB1_0802	41	DVAVHALCDAVLSAA HALCDAVLS	0.1187	13841.5	50.00	Sequence
DRB1_0802	50	AVLSAAGLDIGE AVLSAAGLG	0.1139	14586.9	50.00	Sequence
DRB1_0802	38	SDGDVAVHALCDAV GDVAVHALC	0.1076	15604.4	50.00	Sequence
DRB1_0802	37	HSDGDVAVHALCDAV GDVAVHALC	0.1068	15738.2	50.00	Sequence
DRB1_0802	57	LGDIGEFGVDDPRW VFGVDDPRW	0.1053	16002.8	50.00	Sequence

DRB1_0802	56	GLGDIGEVFGVDDPR	GLGDIGEVF	0.1022	16555.3	50.00	Sequence
DRB1_0802	127	VSVSATTTDGLGLTG	VSVSATTTD	0.1012	16720.7	50.00	Sequence
DRB1_0802	51	VLSAAGLDIGEVFG	LGDIGEVFG	0.0989	17154.7	50.00	Sequence
DRB1_0802	128	SVSATTTDGLGLTGR	SVSATTTDG	0.0969	17530.1	50.00	Sequence
DRB1_0802	52	LSAAGLDIGEVFGV	GLGDIGEVF	0.0936	18156.2	50.00	Sequence
DRB1_0802	55	AGLDIGEVFGVDDP	GLGDIGEVF	0.0933	18215.2	50.00	Sequence
DRB1_0802	129	VSATTTDGLGLTGRG	SATTTDGLG	0.0909	18707.8	50.00	Sequence
DRB1_0802	27	LFPSADGCAGHSDGD	FPSADGCAG	0.0895	18982.4	50.00	Sequence
DRB1_0802	53	SAAGLDIGEVFGVD	GLGDIGEVF	0.0861	19690.3	50.00	Sequence
DRB1_0802	54	AAGLDIGEVFGVDD	GLGDIGEVF	0.0835	20263.9	50.00	Sequence
DRB1_0802	26	LLFPSADGCAGHSDG	FPSADGCAG	0.0811	20796.1	50.00	Sequence
DRB1_0802	35	AGHSDGDVAVHALCD	GDVAVHALC	0.0789	21284.2	50.00	Sequence
DRB1_0802	36	GHSDGDVAVHALCDA	GDVAVHALC	0.0774	21628.9	50.00	Sequence
DRB1_0802	34	CAGHSDGDVAVHALC	GDVAVHALC	0.0761	21943.1	50.00	Sequence
DRB1_0802	28	FPSADGCAGHSDGDV	FPSADGCAG	0.0668	24257.4	50.00	Sequence
DRB1_0802	33	GCAGHSDGDVAVHAL	AGHSDGDVA	0.0413	31996.3	50.00	Sequence
DRB1_0802	32	DGCAGHSDGDVAVHA	GHSDGDVAV	0.0353	34111.7	50.00	Sequence
DRB1_0802	31	ADGCAGHSDGDVAVH	AGHSDGDVA	0.0343	34506.7	50.00	Sequence
DRB1_0802	30	SADGCAGHSDGDVAV	AGHSDGDVA	0.0318	35459.7	50.00	Sequence
DRB1_0802	29	PSADGCAGHSDGDVA	AGHSDGDVA	0.0288	36632.4	50.00	Sequence

Allele: DRB1_0802. Number of high binders 0. Number of weak binders 29. Number of peptides 145

Allele	pos	peptide	core	1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB1_0901	110	WRRLEAQAVLSRLLN	WRRLEAQAV	0.6715			35.0	SB 1.00 Sequence
DRB1_0901	109	GWRRLEAQAVLSRLL	WRRLEAQAV	0.6673			36.6	SB 1.00 Sequence
DRB1_0901	108	IGWRRLEAQAVLSRL	WRRLEAQAV	0.6567			41.0	SB 2.00 Sequence
DRB1_0901	68	DPRWQGVSGADMLRH	QGVSGADML	0.6490			44.6	SB 2.00 Sequence
DRB1_0901	67	DDPRWQGVSGADMLR	QGVSGADML	0.6472			45.5	SB 2.00 Sequence
DRB1_0901	107	KIGWRRLEAQAVLSR	WRRLEAQAV	0.6362			51.2	WB 2.00 Sequence
DRB1_0901	66	VDDPRWQGVSGADML	WQGVSGADM	0.6291			55.3	WB 4.00 Sequence
DRB1_0901	69	PRWQGVSGADMLRHV	QGVSGADML	0.6233			58.9	WB 4.00 Sequence
DRB1_0901	117	AVLSRLLNAPVSVSA	LSRLLNAPV	0.6114			67.0	WB 4.00 Sequence
DRB1_0901	89	QHGYRVGNNAVQVIG	HGYRVGNNAV	0.6088			68.9	WB 4.00 Sequence
DRB1_0901	90	HGYRVGNNAVQVIGN	HGYRVGNNAV	0.6067			70.5	WB 4.00 Sequence
DRB1_0901	118	VLSRLLNAPVSVSAT	LSRLLNAPV	0.6065			70.6	WB 4.00 Sequence
DRB1_0901	106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.6042			72.4	WB 4.00 Sequence
DRB1_0901	111	RRLEAQAVLSRLLNA	RRLEAQAVL	0.5962			79.0	WB 4.00 Sequence
DRB1_0901	88	TQHGYRVGNNAVQVI	YRVGNNAVQ	0.5958			79.3	WB 4.00 Sequence
DRB1_0901	86	LITQHGYRVGNNAVQ	GYRVGNNAVQ	0.5940			80.9	WB 4.00 Sequence
DRB1_0901	87	ITQHGYRVGNNAVQV	YRVGNNAVQ	0.5937			81.2	WB 4.00 Sequence
DRB1_0901	70	RWQGVSGADMLRHVV	QGVSGADML	0.5889			85.5	WB 8.00 Sequence
DRB1_0901	119	LSRLLNAPVSVSATT	LSRLLNAPV	0.5867			87.5	WB 8.00 Sequence
DRB1_0901	142	RGEGLAAIATALVVS	LAAIATALV	0.5865			87.7	WB 8.00 Sequence
DRB1_0901	141	GRGEGLAAIATALVV	LAAIATALV	0.5842			89.9	WB 8.00 Sequence
DRB1_0901	144	EGLAAIATALVVSRL	EGLAAIATA	0.5822			91.9	WB 8.00 Sequence
DRB1_0901	143	GEGLAAIATALVVSL	LAAIATALV	0.5677			107.5	WB 8.00 Sequence
DRB1_0901	140	TGRGEGLAAIATALV	LAAIATALV	0.5653			110.3	WB 8.00 Sequence
DRB1_0901	116	QAVLSRLLNAPVSVS	LSRLLNAPV	0.5619			114.5	WB 8.00 Sequence
DRB1_0901	139	LTGRGEGLAAIATAL	RGEGLAAIA	0.5466			135.1	WB 16.00 Sequence
DRB1_0901	91	GYRVGNNAVQVIGNR	YRVGNNAVQ	0.5387			147.1	WB 16.00 Sequence
DRB1_0901	120	SRLNAPVSVSATT	LLNAPVSVS	0.5308			160.3	WB 16.00 Sequence
DRB1_0901	121	RLNAPVSVSATT	LLNAPVSVS	0.5302			161.3	WB 16.00 Sequence
DRB1_0901	105	RPKIGWRRLEAQAVL	WRRLEAQAV	0.5297			162.2	WB 16.00 Sequence
DRB1_0901	71	WQGVSGADMLRHVVV	QGVSGADML	0.5247			171.2	WB 16.00 Sequence

DRB1_0901	41	DVAVHALCDAVLSAA	VHALCDAVL	0.5163	187.5	WB	16.00	Sequence
DRB1_0901	40	GDVAVHALCDAVLSA	VHALCDAVL	0.5150	190.1	WB	16.00	Sequence
DRB1_0901	39	DGDVAVHALCDAVLS	VHALCDAVL	0.5123	195.7	WB	16.00	Sequence
DRB1_0901	113	LEAQAVLSRLLNAPV	LSRLLNAPV	0.5094	202.0	WB	16.00	Sequence
DRB1_0901	115	AQAVLSRLLNAPVSV	LSRLLNAPV	0.5092	202.5	WB	16.00	Sequence
DRB1_0901	42	VAVHALCDAVLSAAG	VHALCDAVL	0.5053	211.1	WB	16.00	Sequence
DRB1_0901	138	GLTGRGEGLAIIATA	RGEGLAIIA	0.5029	216.7	WB	16.00	Sequence
DRB1_0901	92	YRVGNVAVVQVIGNRP	YRVGNVAVVQ	0.5028	216.8	WB	16.00	Sequence
DRB1_0901	122	LLNAPVSVSATTDDG	LLNAPVSVS	0.5006	222.3	WB	16.00	Sequence
DRB1_0901	114	EAQAVLSRLLNAPVS	LSRLLNAPV	0.4985	227.3	WB	16.00	Sequence
DRB1_0901	112	RLEAQAVLSRLLNAP	RLEAQAVLS	0.4978	228.9	WB	16.00	Sequence
DRB1_0901	77	ADMLRHVVVLITQHG	MLRHVVVLI	0.4947	236.8	WB	16.00	Sequence
DRB1_0901	65	GVDDPRWQGVSGADM	WQGVSGADM	0.4910	246.5	WB	32.00	Sequence
DRB1_0901	78	DMLRHVVVLITQHGY	MLRHVVVLI	0.4873	256.7	WB	32.00	Sequence
DRB1_0901	44	VHALCDAVLSAAGLG	VHALCDAVL	0.4764	288.5	WB	32.00	Sequence
DRB1_0901	43	AVHALCDAVLSAAGL	VHALCDAVL	0.4751	292.8	WB	32.00	Sequence
DRB1_0901	76	GADMLRHVVVLITQH	MLRHVVVLI	0.4736	297.6	WB	32.00	Sequence
DRB1_0901	137	LGLTGRGEGLAIIAT	RGEGLAIIA	0.4663	322.1	WB	32.00	Sequence
DRB1_0901	85	VLITQHGYRVGNVAV	GYRVGNVAV	0.4613	340.1	WB	32.00	Sequence
DRB1_0901	79	MLRHVVVLITQHGYR	MLRHVVVLI	0.4493	387.0	WB	32.00	Sequence
DRB1_0901	38	SDGDVAVHALCDAVL	VHALCDAVL	0.4474	395.0	WB	32.00	Sequence
DRB1_0901	72	QGVSGADMLRHVVVL	QGVSGADML	0.4465	399.0	WB	32.00	Sequence
DRB1_0901	75	SGADMLRHVVVLITQ	MLRHVVVLI	0.4450	405.4	WB	32.00	Sequence
DRB1_0901	123	LNAPVSVSATTDDGL	LNAPVSVSA	0.4401	427.6	WB	32.00	Sequence
DRB1_0901	104	NRPKIGWRRLEAQAV	WRRLEAQAV	0.4329	462.1	WB	32.00	Sequence
DRB1_0901	136	GLGLTGRGEGLAIIA	RGEGLAIIA	0.4306	473.8	WB	32.00	Sequence
DRB1_0901	74	VSGADMLRHVVVLIT	MLRHVVVLI	0.4249	503.8	50.00		Sequence
DRB1_0901	49	DAVLSAAGLDIGEY	AVLSAAGLG	0.4106	588.4	50.00		Sequence
DRB1_0901	47	LCDAVLSAAGLDIG	DAVLSAAGL	0.4024	642.8	50.00		Sequence
DRB1_0901	46	ALCDAVLSAAGLDI	DAVLSAAGL	0.4003	657.8	50.00		Sequence
DRB1_0901	93	RVGNVAVVQVIGNRPK	RVGNVAVVQV	0.3985	670.9	50.00		Sequence
DRB1_0901	96	NAVQVIGNRPKIGW	VVQVIGNRP	0.3980	674.3	50.00		Sequence
DRB1_0901	73	GVSGADMLRHVVVLI	MLRHVVVLI	0.3952	694.9	50.00		Sequence
DRB1_0901	124	NAPVSVSATTDDGLG	VSVSATTDD	0.3939	705.1	50.00		Sequence
DRB1_0901	94	VGNVAVVQVIGNRPKI	VGNVAVVQVI	0.3892	741.5	50.00		Sequence
DRB1_0901	125	APVSVSATTDDGLGL	VSVSATTDD	0.3858	769.6	50.00		Sequence
DRB1_0901	126	PVSVSATTDDGLGLT	VSVSATTDD	0.3840	784.1	50.00		Sequence
DRB1_0901	48	CAVLSAAGLDIGEY	DAVLSAAGL	0.3826	796.7	50.00		Sequence
DRB1_0901	95	GNAVQVIGNRPKIG	VQVIGNRPK	0.3750	864.8	50.00		Sequence
DRB1_0901	0	VNQLPRVGLGTDVHP	VNQLPRVGL	0.3744	870.3	50.00		Sequence
DRB1_0901	45	HALCDAVLSAAGLD	DAVLSAAGL	0.3740	874.4	50.00		Sequence
DRB1_0901	50	AVLSAAGLDIGEYF	AVLSAAGLG	0.3618	997.3	50.00		Sequence
DRB1_0901	97	AVQVIGNRPKIGWR	VQVIGNRPK	0.3605	1011.5	50.00		Sequence
DRB1_0901	84	VVLITQHGYRVGNVAV	HGYRVGNVAV	0.3506	1125.6	50.00		Sequence
DRB1_0901	22	WLVGLLFPSADGCAG	WLVGLLFPS	0.3457	1187.4	50.00		Sequence
DRB1_0901	127	VSVSATTDDGLGLTG	VSVSATTDD	0.3457	1187.6	50.00		Sequence
DRB1_0901	24	VGLLFPSADGCAGHS	VGLLFPSAD	0.3447	1200.0	50.00		Sequence
DRB1_0901	21	CWLVLGLLFPSADGCA	WLVGLLFPS	0.3426	1227.9	50.00		Sequence
DRB1_0901	23	LVGLLFPSADGCAGH	VGLLFPSAD	0.3297	1412.1	50.00		Sequence
DRB1_0901	98	VVQVIGNRPKIGWRR	VQVIGNRPK	0.3259	1471.1	50.00		Sequence
DRB1_0901	20	PCWLVLGLLFPSADGC	VGLLFPSAD	0.3230	1518.4	50.00		Sequence
DRB1_0901	19	RPCWLVLGLLFPSADG	VGLLFPSAD	0.3230	1518.4	50.00		Sequence
DRB1_0901	135	DGLGLTGRGEGLAII	LTGRGEGLA	0.3215	1542.2	50.00		Sequence
DRB1_0901	25	GLLFPSADGCAGHSD	GLLFPSADG	0.3183	1596.4	50.00		Sequence
DRB1_0901	37	HSDGDVAVHALCDAV	VAVHALCDA	0.3150	1655.0	50.00		Sequence
DRB1_0901	64	FGVDDPRWQGVSGAD	RWQGVSGAD	0.3129	1693.2	50.00		Sequence
DRB1_0901	18	GRPCWLVLGLLFPSAD	VGLLFPSAD	0.3075	1794.7	50.00		Sequence
DRB1_0901	17	PGRPCWLVLGLLFPSA	LVGLLFPSA	0.3056	1832.2	50.00		Sequence
DRB1_0901	51	VLSAAGLDIGEYFVG	LSAAGLDI	0.2990	1968.3	50.00		Sequence

DRB1_0901	16	EPGRPCWLVLGLLFPS	WLVGLLFPS	0.2989	1970.9	50.00	Sequence
DRB1_0901	99	VQVIGNRPKIGWRRRL	VQVIGNRPK	0.2958	2036.6	50.00	Sequence
DRB1_0901	15	IEPGRPCWLVLGLLFP	PGRPCWLVG	0.2885	2205.6	50.00	Sequence
DRB1_0901	26	LLFPSADGCAGHSDG	LLFPSADGC	0.2831	2336.1	50.00	Sequence
DRB1_0901	83	VVVLITQHGYRVGNA	ITQHGYRVG	0.2807	2399.4	50.00	Sequence
DRB1_0901	3	LPRVGLGTDVHPIEP	LPRVGLGTD	0.2774	2486.5	50.00	Sequence
DRB1_0901	57	LGDIGEVFGVDDPRW	DIGEVFGVD	0.2703	2684.7	50.00	Sequence
DRB1_0901	80	LRHVVLITQHGYRV	LRHVVLIT	0.2691	2719.3	50.00	Sequence
DRB1_0901	36	GHSDDVAVHALCDA	VAVHALCDA	0.2687	2731.4	50.00	Sequence
DRB1_0901	4	PRVGLGTDVHPIEPG	PRVGLGTDV	0.2644	2860.1	50.00	Sequence
DRB1_0901	8	LGTDVHPIEPGRPCW	TDVHPIEPG	0.2640	2874.2	50.00	Sequence
DRB1_0901	52	LSAAGLDIGEVFGV	LSAAGLDI	0.2614	2955.4	50.00	Sequence
DRB1_0901	30	SADGCAGHSDGDVAV	AGHSDGDVA	0.2596	3012.6	50.00	Sequence
DRB1_0901	100	QVIGNRPKIGWRRLE	QVIGNRPKI	0.2591	3030.3	50.00	Sequence
DRB1_0901	14	PIEPGRPCWLVLGLLF	IEPGRPCWL	0.2586	3047.2	50.00	Sequence
DRB1_0901	6	VGLGTDVHPIEPGRP	LGTDVHPIE	0.2571	3095.4	50.00	Sequence
DRB1_0901	2	QLPRVGLGTDVHPIE	LPRVGLGTD	0.2546	3181.7	50.00	Sequence
DRB1_0901	31	ADGCAGHSDGDVAVH	DGCAGHSDG	0.2544	3187.4	50.00	Sequence
DRB1_0901	5	RVGLGTDVHPIEPGR	LGTDVHPIE	0.2543	3192.4	50.00	Sequence
DRB1_0901	1	NQLPRVGLGTDVHPI	LPRVGLGTD	0.2534	3223.2	50.00	Sequence
DRB1_0901	134	TDGLGLTGRGEGLA	LTGRGEGLA	0.2515	3289.1	50.00	Sequence
DRB1_0901	7	GLGTDVHPIEPGRPC	LGTDVHPIE	0.2502	3336.4	50.00	Sequence
DRB1_0901	81	RHVVLITQHGYRVG	ITQHGYRVG	0.2501	3341.5	50.00	Sequence
DRB1_0901	29	PSADGCAGHSDGDVA	AGHSDGDVA	0.2496	3357.5	50.00	Sequence
DRB1_0901	9	GTDVHPIEPGRPCWL	TDVHPIEPG	0.2487	3391.1	50.00	Sequence
DRB1_0901	55	AGLDIGEVFGVDDP	LGDIGEVFG	0.2472	3444.7	50.00	Sequence
DRB1_0901	102	IGNRPKIGWRRLEAQ	IGNRPKIGW	0.2468	3459.9	50.00	Sequence
DRB1_0901	32	DGCAGHSDGDVAVHA	AGHSDGDVA	0.2460	3492.0	50.00	Sequence
DRB1_0901	82	HVVVLITQHGYRVGN	ITQHGYRVG	0.2457	3503.1	50.00	Sequence
DRB1_0901	56	GLDIGEVFGVDDPR	LGDIGEVFG	0.2443	3556.4	50.00	Sequence
DRB1_0901	10	TDVHPIEPGRPCWL	TDVHPIEPG	0.2441	3564.3	50.00	Sequence
DRB1_0901	58	GDIGEVFGVDDPRWQ	DIGEVFGVD	0.2437	3580.0	50.00	Sequence
DRB1_0901	34	CAGHSDGDVAVHALC	AGHSDGDVA	0.2428	3614.0	50.00	Sequence
DRB1_0901	103	GNRPKIGWRRLEAQA	GWRRLEAQA	0.2425	3626.2	50.00	Sequence
DRB1_0901	54	AAGLDIGEVFGVDD	DIGEVFGVD	0.2375	3827.6	50.00	Sequence
DRB1_0901	13	HPIEPGRPCWLVLG	IEPGRPCWL	0.2371	3843.5	50.00	Sequence
DRB1_0901	28	FPSADGCAGHSDGDV	CAGHSDGDV	0.2353	3922.2	50.00	Sequence
DRB1_0901	27	LFPSADGCAGHSDGD	LFPSADGCA	0.2345	3956.1	50.00	Sequence
DRB1_0901	35	AGHSDGDVAVHALCD	AGHSDGDVA	0.2334	3999.8	50.00	Sequence
DRB1_0901	59	DIGEVFGVDDPRWQG	DIGEVFGVD	0.2285	4220.4	50.00	Sequence
DRB1_0901	133	TTDGLGLTGRGEGLA	LGLTGRGEG	0.2270	4289.9	50.00	Sequence
DRB1_0901	101	VIGNRPKIGWRRLEA	IGNRPKIGW	0.2270	4290.1	50.00	Sequence
DRB1_0901	33	GCAGHSDGDVAVHAL	CAGHSDGDV	0.2209	4578.6	50.00	Sequence
DRB1_0901	128	SVSATTTDGLGLTGR	VSATTTDGL	0.2140	4934.4	50.00	Sequence
DRB1_0901	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.2138	4945.5	50.00	Sequence
DRB1_0901	53	SAAGLDIGEVFGVD	LGDIGEVFG	0.2126	5012.7	50.00	Sequence
DRB1_0901	132	TTTDGLGLTGRGEG	TTTDGLGLT	0.2059	5385.9	50.00	Sequence
DRB1_0901	129	VSATTTDGLGLTGRG	TTTDGLGLT	0.2057	5400.4	50.00	Sequence
DRB1_0901	11	DVHPIEPGRPCWL	HPIEPGRPC	0.2009	5686.2	50.00	Sequence
DRB1_0901	60	IGEVFGVDDPRWQGV	IGEVFGVDD	0.1926	6220.0	50.00	Sequence
DRB1_0901	131	ATTTDGLGLTGRGEG	TTTDGLGLT	0.1912	6318.2	50.00	Sequence
DRB1_0901	62	EVFGVDDPRWQGVSG	EVFGVDDPR	0.1912	6318.8	50.00	Sequence
DRB1_0901	12	VHPIEPGRPCWL	PGRPCWL	0.1877	6564.0	50.00	Sequence
DRB1_0901	61	GEVFGVDDPRWQGV	EVFGVDDPR	0.1732	7673.3	50.00	Sequence
DRB1_0901	130	SATTTDGLGLTGRGE	TTTDGLGLT	0.1722	7757.6	50.00	Sequence

Allele: DRB1_0901. Number of high binders 5. Number of weak binders 52. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity	
DRB1_1101	115	AQAVLSRLLNAPVSV	QAVLSRLLN	0.6444	46.9	SB	4.00	Sequence
DRB1_1101	116	QAVLSRLLNAPVSVS	LSRLLNAPV	0.6387	49.9	SB	8.00	Sequence
DRB1_1101	114	EAQAVLSRLLNAPVS	QAVLSRLLN	0.6346	52.1	WB	8.00	Sequence
DRB1_1101	117	AVLSRLLNAPVSVSA	LSRLLNAPV	0.6206	60.7	WB	8.00	Sequence
DRB1_1101	113	LEAQAVLSRLLNAPV	QAVLSRLLN	0.6125	66.2	WB	8.00	Sequence
DRB1_1101	118	VLSRLLNAPVSVSAT	LSRLLNAPV	0.5767	97.5	WB	8.00	Sequence
DRB1_1101	79	MLRHVVVLITQHGYR	LRHVVVLIT	0.5665	108.9	WB	16.00	Sequence
DRB1_1101	82	HVVVLITQHGYRVGN	VVVLITQHGY	0.5528	126.3	WB	16.00	Sequence
DRB1_1101	112	RLEAQAVLSRLLNAP	QAVLSRLLN	0.5507	129.1	WB	16.00	Sequence
DRB1_1101	78	DMLRHVVVLITQHGY	LRHVVVLIT	0.5487	132.0	WB	16.00	Sequence
DRB1_1101	77	ADMLRHVVVLITQHGY	LRHVVVLIT	0.5324	157.5	WB	16.00	Sequence
DRB1_1101	80	LRHVVVLITQHGYRV	HVVVLITQH	0.5320	158.2	WB	16.00	Sequence
DRB1_1101	81	RHVVVLITQHGYRVG	VVVLITQHGY	0.5254	169.9	WB	16.00	Sequence
DRB1_1101	98	VVQVIGNRPKIGWRR	VVQVIGNRP	0.5181	183.7	WB	16.00	Sequence
DRB1_1101	107	KIGWRRLEAQAVLSR	WRRLEAQAV	0.5150	190.1	WB	16.00	Sequence
DRB1_1101	119	LSRLLNAPVSVSATT	LSRLLNAPV	0.5150	190.2	WB	16.00	Sequence
DRB1_1101	76	GADMLRHVVVLITQH	LRHVVVLIT	0.5078	205.5	WB	16.00	Sequence
DRB1_1101	83	VVVLITQHGYRVGNA	VVVLITQHGY	0.5025	217.7	WB	16.00	Sequence
DRB1_1101	97	AVVQVIGNRPKIGWR	VVQVIGNRP	0.5006	222.1	WB	16.00	Sequence
DRB1_1101	111	RRLEAQAVLSRLLNA	QAVLSRLLN	0.4970	230.9	WB	16.00	Sequence
DRB1_1101	96	NAVQVIGNRPKIGW	VVQVIGNRP	0.4879	255.0	WB	16.00	Sequence
DRB1_1101	108	IGWRRLEAQAVLSRL	WRRLEAQAV	0.4846	264.2	WB	16.00	Sequence
DRB1_1101	106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.4743	295.2	WB	16.00	Sequence
DRB1_1101	75	SGADMLRHVVVLITQ	LRHVVVLIT	0.4718	303.3	WB	32.00	Sequence
DRB1_1101	110	WRRLEAQAVLSRLLN	QAVLSRLLN	0.4717	303.9	WB	32.00	Sequence
DRB1_1101	74	VSGADMLRHVVVLIT	MLRHVVVLI	0.4650	326.5	WB	32.00	Sequence
DRB1_1101	109	GWRRLEAQAVLSRLL	WRRLEAQAV	0.4636	331.7	WB	32.00	Sequence
DRB1_1101	99	VQVIGNRPKIGWRRLE	IGNRPKIGW	0.4357	448.5	WB	32.00	Sequence
DRB1_1101	105	RPKIGWRRLEAQAVL	KIGWRRLEA	0.4347	453.5	WB	32.00	Sequence
DRB1_1101	95	GNAVVQVIGNRPKIG	VVQVIGNRP	0.4324	464.9	WB	32.00	Sequence
DRB1_1101	84	VVLITQHGYRVGNNAV	VVLITQHGY	0.4277	488.9	WB	32.00	Sequence
DRB1_1101	85	VLITQHGYRVGNNAV	VLITQHGYR	0.4082	604.0		32.00	Sequence
DRB1_1101	73	GVSGADMLRHVVVLI	VSGADMLRH	0.3991	666.0		32.00	Sequence
DRB1_1101	88	TQHGYRVGNNAVQVI	GYRVGNNAV	0.3965	685.4		32.00	Sequence
DRB1_1101	86	LITQHGYRVGNNAVQ	GYRVGNNAV	0.3957	691.1		32.00	Sequence
DRB1_1101	104	NRPKIGWRRLEAQAV	KIGWRRLEA	0.3899	735.7		32.00	Sequence
DRB1_1101	135	DGLGLTGRGEGLAIA	LGLTGRGEG	0.3880	751.1		32.00	Sequence
DRB1_1101	87	ITQHGYRVGNNAVQV	GYRVGNNAV	0.3872	758.0		32.00	Sequence
DRB1_1101	94	VGNNAVQVIGNRPKI	VVQVIGNRP	0.3807	812.6		32.00	Sequence
DRB1_1101	136	GLGLTGRGEGLAIA	LGLTGRGEG	0.3795	823.4		32.00	Sequence
DRB1_1101	89	QHGYRVGNNAVQVIG	YRVGNNAVQ	0.3763	853.0		32.00	Sequence
DRB1_1101	134	TDGLGLTGRGEGLAA	LGLTGRGEG	0.3717	896.5		32.00	Sequence
DRB1_1101	100	QVIGNRPKIGWRRLE	IGNRPKIGW	0.3653	960.3		32.00	Sequence
DRB1_1101	120	SLLNAPVSVSATTT	RLLNAPVSV	0.3605	1011.5		32.00	Sequence
DRB1_1101	137	LGLTGRGEGLAIAIAT	GLTGRGEG	0.3529	1097.7		50.00	Sequence
DRB1_1101	90	HGYRVGNNAVQVIGN	YRVGNNAVQ	0.3478	1160.7		50.00	Sequence
DRB1_1101	71	WQGVSGADMLRHVVV	VSGADMLRH	0.3435	1215.8		50.00	Sequence
DRB1_1101	72	QGVSGADMLRHVVVL	VSGADMLRH	0.3435	1216.0		50.00	Sequence
DRB1_1101	101	VIGNRPKIGWRRLEA	VIGNRPKIG	0.3349	1334.1		50.00	Sequence
DRB1_1101	93	RVGNNAVQVIGNRPK	VVQVIGNRP	0.3326	1367.9		50.00	Sequence
DRB1_1101	70	RWQGVSGADMLRHVV	VSGADMLRH	0.3235	1509.4		50.00	Sequence
DRB1_1101	133	TTDGLGLTGRGEGLA	LGLTGRGEG	0.3153	1649.1		50.00	Sequence
DRB1_1101	103	GNRPKIGWRRLEAQA	KIGWRRLEA	0.2971	2007.8		50.00	Sequence
DRB1_1101	69	PRWQGVSGADMLRHV	VSGADMLRH	0.2863	2258.7		50.00	Sequence
DRB1_1101	92	YRVGNNAVQVIGNRP	YRVGNNAVQ	0.2821	2363.4		50.00	Sequence

DRB1_1101	20	PCWLVLGLLFPSADGC	LVGLLFPSA	0.2786	2454.1	50.00	Sequence
DRB1_1101	68	DPRWQGVSGADMLRH	VSGADMLRH	0.2749	2554.6	50.00	Sequence
DRB1_1101	138	GLTGRGEGLAIIATA	LTGRGEGLA	0.2721	2633.3	50.00	Sequence
DRB1_1101	91	GYRVGNNAVQVIGNR	YRVGNNAVQ	0.2710	2665.3	50.00	Sequence
DRB1_1101	121	RLLNAPVSVSATTTD	RLLNAPVSV	0.2687	2732.0	50.00	Sequence
DRB1_1101	19	RPCWLVLGLLFPSADG	LVGLLFPSA	0.2678	2757.7	50.00	Sequence
DRB1_1101	102	IGNRPKIGWRRLEAQ	KIGWRRLEA	0.2654	2831.8	50.00	Sequence
DRB1_1101	22	WLVLGLLFPSADGCAG	LVGLLFPSA	0.2619	2938.9	50.00	Sequence
DRB1_1101	21	CWLVLGLLFPSADGCA	LVGLLFPSA	0.2612	2962.0	50.00	Sequence
DRB1_1101	42	VAVHALCDAVLSAAG	HALCDAVLS	0.2608	2975.2	50.00	Sequence
DRB1_1101	132	TTTDGLGTLGRGEG	LGLTGRGEG	0.2495	3362.3	50.00	Sequence
DRB1_1101	18	GRPCWLVLGLLFPSAD	WLVLGLLFPS	0.2446	3543.6	50.00	Sequence
DRB1_1101	41	DVAVHALCDAVLSAA	HALCDAVLS	0.2439	3571.9	50.00	Sequence
DRB1_1101	45	HALCDAVLSAAGLGD	HALCDAVLS	0.2331	4015.5	50.00	Sequence
DRB1_1101	47	LCDAVLSAAGLDIG	AVLSAAGLG	0.2328	4026.9	50.00	Sequence
DRB1_1101	44	VHALCDAVLSAAGLG	HALCDAVLS	0.2307	4120.7	50.00	Sequence
DRB1_1101	49	DAVLSAAGLDIGEV	AVLSAAGLG	0.2305	4129.8	50.00	Sequence
DRB1_1101	144	EGLAIIATALVVSLR	LAAIATALV	0.2298	4159.3	50.00	Sequence
DRB1_1101	48	CAVLSAAGLDIGE	AVLSAAGLG	0.2287	4208.3	50.00	Sequence
DRB1_1101	50	AVLSAAGLDIGEVF	AVLSAAGLG	0.2268	4296.5	50.00	Sequence
DRB1_1101	40	GDVAVHALCDAVLSA	HALCDAVLS	0.2241	4424.2	50.00	Sequence
DRB1_1101	17	PGRPCWLVLGLLFPSA	LVGLLFPSA	0.2200	4625.9	50.00	Sequence
DRB1_1101	139	LTGRGEGLAIIATAL	LTGRGEGLA	0.2151	4876.4	50.00	Sequence
DRB1_1101	43	AVHALCDAVLSAAGL	HALCDAVLS	0.2141	4932.0	50.00	Sequence
DRB1_1101	143	GEGLAIIATALVVSL	LAAIATALV	0.2121	5037.9	50.00	Sequence
DRB1_1101	0	VNQLPRVGLGTDVHP	VNQLPRVGL	0.2073	5309.7	50.00	Sequence
DRB1_1101	46	ALCDAVLSAAGLDI	AVLSAAGLG	0.2068	5335.9	50.00	Sequence
DRB1_1101	67	DDPRWQGVSGADMLR	WQGVSGADM	0.1996	5765.7	50.00	Sequence
DRB1_1101	23	LVGLLFPSADGCAGH	LVGLLFPSA	0.1979	5874.5	50.00	Sequence
DRB1_1101	39	DGDVAVHALCDAVLS	HALCDAVLS	0.1895	6437.2	50.00	Sequence
DRB1_1101	131	ATTTDGLGTLGRGEG	LGLTGRGEG	0.1861	6672.2	50.00	Sequence
DRB1_1101	142	RGEGLAIIATALVVS	LAAIATALV	0.1847	6776.3	50.00	Sequence
DRB1_1101	122	LLNAPVSVSATTTDG	LLNAPVSVS	0.1732	7671.7	50.00	Sequence
DRB1_1101	141	GRGEGLAIIATALV	GEGLAIIAT	0.1727	7717.8	50.00	Sequence
DRB1_1101	140	TGRGEGLAIIATALV	GLAAIATAL	0.1695	7989.7	50.00	Sequence
DRB1_1101	16	EPGRPCWLVLGLLFPS	CWLVLGLLFP	0.1640	8481.8	50.00	Sequence
DRB1_1101	53	SAAGLDIGEVFGVD	LDIGEVFG	0.1526	9596.3	50.00	Sequence
DRB1_1101	66	VDDPRWQGVSGADML	WQGVSGADM	0.1467	10224.4	50.00	Sequence
DRB1_1101	51	VLSAAGLDIGEVFG	VLSAAGLD	0.1466	10240.2	50.00	Sequence
DRB1_1101	54	AAGLDIGEVFGVDD	LDIGEVFG	0.1457	10333.5	50.00	Sequence
DRB1_1101	52	LSAAGLDIGEVFGV	LDIGEVFG	0.1431	10632.9	50.00	Sequence
DRB1_1101	2	QLPRVGLGTDVHPIE	RVGLGTDVH	0.1396	11043.9	50.00	Sequence
DRB1_1101	3	LPRVGLGTDVHPIEP	RVGLGTDVH	0.1358	11506.4	50.00	Sequence
DRB1_1101	55	AGLDIGEVFGVDDP	LDIGEVFG	0.1346	11652.6	50.00	Sequence
DRB1_1101	123	LNAPVSVSATTTDGL	PVSVSATT	0.1297	12293.2	50.00	Sequence
DRB1_1101	1	NQLPRVGLGTDVHPI	RVGLGTDVH	0.1290	12376.3	50.00	Sequence
DRB1_1101	38	SDGDVAVHALCDAVL	VAVHALCDA	0.1283	12471.9	50.00	Sequence
DRB1_1101	4	PRVGLGTDVHPIEPG	RVGLGTDVH	0.1262	12769.2	50.00	Sequence
DRB1_1101	60	IGEVFGVDDPRWQGV	VFGVDDPRW	0.1246	12979.9	50.00	Sequence
DRB1_1101	24	VLLFPSADGCAGHS	GLLFPSADG	0.1226	13275.0	50.00	Sequence
DRB1_1101	65	GVDDPRWQGVSGADM	WQGVSGADM	0.1222	13321.4	50.00	Sequence
DRB1_1101	61	GEVFGVDDPRWQGV	VFGVDDPRW	0.1190	13795.3	50.00	Sequence
DRB1_1101	15	IEPGRPCWLVLGLLFP	PCWLVLGLLF	0.1187	13844.7	50.00	Sequence
DRB1_1101	62	EVFGVDDPRWQGVSG	VFGVDDPRW	0.1169	14121.7	50.00	Sequence
DRB1_1101	25	GLLFPSADGCAGHSD	GLLFPSADG	0.1162	14221.8	50.00	Sequence
DRB1_1101	56	GLDIGEVFGVDDPR	LDIGEVFG	0.1148	14444.6	50.00	Sequence
DRB1_1101	57	LDIGEVFGVDDPRW	VFGVDDPRW	0.1125	14805.7	50.00	Sequence
DRB1_1101	5	RVGLGTDVHPIEPGR	RVGLGTDVH	0.1103	15152.5	50.00	Sequence
DRB1_1101	59	DIGEVFGVDDPRWQG	VFGVDDPRW	0.1099	15228.0	50.00	Sequence

DRB1_1101	124	NAPVSVSATTTDGLG	PVSVSATTT	0.1081	15524.8	50.00	Sequence
DRB1_1101	130	SATTTDGLGLTGRGE	TTDGLGLTG	0.1053	16003.5	50.00	Sequence
DRB1_1101	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.0997	17001.9	50.00	Sequence
DRB1_1101	37	HSDGDVAVHALCDAV	VAVHALCDA	0.0974	17428.2	50.00	Sequence
DRB1_1101	125	APVSVSATTTDGLGL	PVSVSATTT	0.0964	17619.7	50.00	Sequence
DRB1_1101	58	GDIGEVEFGVDDPRWQ	VFGVDDPRW	0.0900	18876.5	50.00	Sequence
DRB1_1101	129	VSATTTDGLGLTGRG	TTDGLGLTG	0.0833	20298.2	50.00	Sequence
DRB1_1101	14	PIEPGRPCWLVLG	PCWLVLG	0.0818	20624.9	50.00	Sequence
DRB1_1101	126	PVSVSATTTDGLGLT	VSVSATTTD	0.0756	22059.5	50.00	Sequence
DRB1_1101	26	LLFPSADGCAGHSDG	FPSADGCAG	0.0678	24016.8	50.00	Sequence
DRB1_1101	27	LFPSADGCAGHSDGD	FPSADGCAG	0.0665	24343.6	50.00	Sequence
DRB1_1101	128	SVSATTTDGLGLTGR	TTDGLGLTG	0.0646	24847.4	50.00	Sequence
DRB1_1101	6	VGLGTDVHPIEPGRP	VGLGTDVHP	0.0619	25602.2	50.00	Sequence
DRB1_1101	28	FPSADGCAGHSDGDV	FPSADGCAG	0.0603	26043.4	50.00	Sequence
DRB1_1101	64	FGVDDPRWQGVSGAD	RWQGVSGAD	0.0595	26269.2	50.00	Sequence
DRB1_1101	127	VSVSATTTDGLGLTG	VSVSATTTD	0.0574	26866.2	50.00	Sequence
DRB1_1101	36	GHSDGDVAVHALCDA	VAVHALCDA	0.0547	27669.5	50.00	Sequence
DRB1_1101	7	GLGTDVHPIEPGRPC	GLGTDVHPI	0.0412	32009.5	50.00	Sequence
DRB1_1101	13	HPIEPGRPCWLVLG	HPIEPGRPC	0.0400	32442.2	50.00	Sequence
DRB1_1101	12	VHPIEPGRPCWLVLG	HPIEPGRPC	0.0376	33279.8	50.00	Sequence
DRB1_1101	35	AGHSDGDVAVHALCD	HSDGDVAVH	0.0374	33364.5	50.00	Sequence
DRB1_1101	34	CAGHSDGDVAVHALC	HSDGDVAVH	0.0368	33564.7	50.00	Sequence
DRB1_1101	11	DVHPIEPGRPCWLVG	HPIEPGRPC	0.0341	34577.3	50.00	Sequence
DRB1_1101	10	TDVHPIEPGRPCWL	HPIEPGRPC	0.0320	35379.2	50.00	Sequence
DRB1_1101	29	PSADGCAGHSDGDVA	DGCAGHSDG	0.0320	35384.2	50.00	Sequence
DRB1_1101	30	SADGCAGHSDGDVAV	DGCAGHSDG	0.0299	36173.5	50.00	Sequence
DRB1_1101	9	GTDVHPIEPGRPCWL	VHPIEPGRP	0.0298	36236.6	50.00	Sequence
DRB1_1101	8	LGTDVHPIEPGRPCW	HPIEPGRPC	0.0291	36485.2	50.00	Sequence
DRB1_1101	32	DGCAGHSDGDVAVHA	DGCAGHSDG	0.0264	37567.2	50.00	Sequence
DRB1_1101	31	ADGCAGHSDGDVAVH	DGCAGHSDG	0.0263	37619.7	50.00	Sequence
DRB1_1101	33	GCAGHSDGDVAVHAL	HSDGDVAVH	0.0251	38122.9	50.00	Sequence

Allele: DRB1_1101. Number of high binders 2. Number of weak binders 29. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB1_1302	141	GRGEGLAAIATALVV	LAAIATALV	0.7209	20.5	SB	0.80 Sequence
DRB1_1302	81	RHVVLITQHGYRVG	LITQHGYRV	0.7170	21.4	SB	1.00 Sequence
DRB1_1302	143	GEGLAAIATALVVS	LAAIATALV	0.7168	21.4	SB	1.00 Sequence
DRB1_1302	82	HVVVLITQHGYRVGN	LITQHGYRV	0.7065	23.9	SB	2.00 Sequence
DRB1_1302	142	RGEGLAAIATALVVS	LAAIATALV	0.7052	24.3	SB	2.00 Sequence
DRB1_1302	140	TGRGEGLAAIATALV	LAAIATALV	0.7008	25.5	SB	2.00 Sequence
DRB1_1302	80	LRHVVLITQHGYRV	LITQHGYRV	0.6952	27.0	SB	2.00 Sequence
DRB1_1302	144	EGLAAIATALVVS	LAAIATALV	0.6952	27.1	SB	2.00 Sequence
DRB1_1302	83	VVVLITQHGYRVGNA	LITQHGYRV	0.6870	29.6	SB	2.00 Sequence
DRB1_1302	84	VVLITQHGYRVGNAV	LITQHGYRV	0.6794	32.1	SB	2.00 Sequence
DRB1_1302	86	LITQHGYRVGNAVQ	LITQHGYRV	0.6755	33.5	SB	2.00 Sequence
DRB1_1302	94	VGNVAVQVIGNRPKI	VVQVIGNRP	0.6712	35.1	SB	2.00 Sequence
DRB1_1302	85	VLITQHGYRVGNAV	LITQHGYRV	0.6674	36.5	SB	2.00 Sequence
DRB1_1302	95	GNAVAVQVIGNRPKIG	VVQVIGNRP	0.6505	43.9	SB	4.00 Sequence
DRB1_1302	115	AQAVLSRLLNAPVSV	LSRLLNAPV	0.6485	44.8	SB	4.00 Sequence
DRB1_1302	96	NAVAVQVIGNRPKIGW	VVQVIGNRP	0.6407	48.8	SB	4.00 Sequence
DRB1_1302	113	LEAVLSRLLNAPV	LSRLLNAPV	0.6357	51.5	WB	4.00 Sequence
DRB1_1302	116	QAVLSRLLNAPVSVS	LSRLLNAPV	0.6326	53.3	WB	4.00 Sequence
DRB1_1302	97	AVVQVIGNRPKIGWR	VVQVIGNRP	0.6247	58.0	WB	4.00 Sequence
DRB1_1302	117	AVLSRLLNAPVSVSA	LSRLLNAPV	0.6153	64.2	WB	4.00 Sequence

DRB1_1302	114	EAQAVLSRLLNAPVS	LSRLLNAPV	0.6150	64.5	WB	4.00	Sequence
DRB1_1302	92	YRVGNNAVQVIGNRP	VVQVIGNRP	0.6146	64.7	WB	4.00	Sequence
DRB1_1302	119	LSRLLNAPVSVSATT	LSRLLNAPV	0.6011	74.9	WB	8.00	Sequence
DRB1_1302	118	VLSRLLNAPVSVSAT	LSRLLNAPV	0.5958	79.3	WB	8.00	Sequence
DRB1_1302	98	VVQVIGNRPKIGWRR	VVQVIGNRP	0.5930	81.8	WB	8.00	Sequence
DRB1_1302	93	RVGNNAVQVIGNRPK	VVQVIGNRP	0.5848	89.3	WB	8.00	Sequence
DRB1_1302	88	TQHGYRVGNNAVQVI	GYRVGNNAV	0.5158	188.5	WB	16.00	Sequence
DRB1_1302	89	QHGYRVGNNAVQVIG	GYRVGNNAV	0.5099	200.9	WB	16.00	Sequence
DRB1_1302	90	HGYRVGNNAVQVIGN	GYRVGNNAV	0.5002	223.2	WB	16.00	Sequence
DRB1_1302	87	ITQHGYRVGNNAVQV	GYRVGNNAV	0.4968	231.4	WB	16.00	Sequence
DRB1_1302	91	GYRVGNNAVQVIGNR	VGNNAVQVI	0.4956	234.4	WB	16.00	Sequence
DRB1_1302	108	IGWRRLEAQAVLSRL	WRRLEAQAV	0.4938	239.2	WB	16.00	Sequence
DRB1_1302	109	GWRRLEAQAVLSRLL	WRRLEAQAV	0.4935	239.9	WB	16.00	Sequence
DRB1_1302	78	DMLRHVVVLITQHG	VVLITQHG	0.4881	254.3	WB	16.00	Sequence
DRB1_1302	107	KIGWRRLEAQAVLSR	WRRLEAQAV	0.4861	259.8	WB	16.00	Sequence
DRB1_1302	110	WRRLEAQAVLSRLL	WRRLEAQAV	0.4645	328.3	WB	16.00	Sequence
DRB1_1302	79	MLRHVVVLITQHG	VVLITQHG	0.4642	329.6	WB	16.00	Sequence
DRB1_1302	99	VQVIGNRPKIGWRR	QVIGNRPKI	0.4607	342.0	WB	16.00	Sequence
DRB1_1302	106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.4566	357.5	WB	16.00	Sequence
DRB1_1302	77	ADMLRHVVVLITQHG	LRHVVVLIT	0.4262	496.9	WB	32.00	Sequence
DRB1_1302	76	GADMLRHVVVLITQH	LRHVVVLIT	0.4245	506.1		32.00	Sequence
DRB1_1302	75	SGADMLRHVVVLITQ	LRHVVVLIT	0.4194	534.9		32.00	Sequence
DRB1_1302	74	VSGADMLRHVVVLIT	LRHVVVLIT	0.4185	539.9		32.00	Sequence
DRB1_1302	100	QVIGNRPKIGWRRLE	QVIGNRPKI	0.4107	587.4		32.00	Sequence
DRB1_1302	139	LTGRGEGLAAIATAL	GLAAIATAL	0.4015	649.4		32.00	Sequence
DRB1_1302	105	RPKIGWRRLEAQAVL	WRRLEAQAV	0.4010	653.0		32.00	Sequence
DRB1_1302	120	SRLNAPVSVSATT	RLLNAPVSV	0.4003	657.8		32.00	Sequence
DRB1_1302	111	RRLEAQAVLSRLLNA	RLEAQAVLS	0.3982	673.0		32.00	Sequence
DRB1_1302	121	RLLNAPVSVSATT	RLLNAPVSV	0.3868	761.0		32.00	Sequence
DRB1_1302	112	RLEAQAVLSRLLNAP	RLEAQAVLS	0.3473	1167.3		32.00	Sequence
DRB1_1302	38	SDGDVAVHALCDAVL	AVHALCDAV	0.3435	1215.8		32.00	Sequence
DRB1_1302	73	GVSGADMLRHVVVLI	MLRHVVVLI	0.3358	1321.8		32.00	Sequence
DRB1_1302	39	DGDVAVHALCDAVLS	AVHALCDAV	0.3265	1461.5		50.00	Sequence
DRB1_1302	104	NRPKIGWRRLEAQAV	WRRLEAQAV	0.3264	1462.9		50.00	Sequence
DRB1_1302	68	DPRWQGVSGADMLRH	WQGVSGADM	0.3196	1573.9		50.00	Sequence
DRB1_1302	43	AVHALCDAVLSAAGL	DAVLSAAGL	0.3152	1651.7		50.00	Sequence
DRB1_1302	69	PRWQGVSGADMLRHV	WQGVSGADM	0.3150	1655.3		50.00	Sequence
DRB1_1302	70	RWQGVSGADMLRHVV	WQGVSGADM	0.3137	1678.2		50.00	Sequence
DRB1_1302	37	HSDGDVAVHALCDAV	AVHALCDAV	0.3113	1722.0		50.00	Sequence
DRB1_1302	67	DDPRWQGVSGADMLR	WQGVSGADM	0.3051	1842.6		50.00	Sequence
DRB1_1302	46	ALCDAVLSAAGLGD	DAVLSAAGL	0.3031	1882.5		50.00	Sequence
DRB1_1302	66	VDDPRWQGVSGADML	WQGVSGADM	0.3027	1891.4		50.00	Sequence
DRB1_1302	71	WQGVSGADMLRHVVV	WQGVSGADM	0.3011	1922.7		50.00	Sequence
DRB1_1302	40	GDVAVHALCDAVLSA	AVHALCDAV	0.3008	1929.2		50.00	Sequence
DRB1_1302	41	DVAVHALCDAVLSAA	AVHALCDAV	0.2925	2112.0		50.00	Sequence
DRB1_1302	136	GLGLTGRGEGLAIA	GRGEGLAIA	0.2893	2185.5		50.00	Sequence
DRB1_1302	138	GLTGRGEGLAIIATA	RGEGLAIIA	0.2865	2253.9		50.00	Sequence
DRB1_1302	47	LCDAVLSAAGLGDIG	DAVLSAAGL	0.2861	2263.4		50.00	Sequence
DRB1_1302	137	LGLTGRGEGLAIIAT	GRGEGLAIA	0.2791	2439.4		50.00	Sequence
DRB1_1302	44	VHALCDAVLSAAGLG	DAVLSAAGL	0.2743	2571.1		50.00	Sequence
DRB1_1302	42	VAVHALCDAVLSAAG	AVHALCDAV	0.2719	2639.0		50.00	Sequence
DRB1_1302	49	DAVLSAAGLGDIGEV	DAVLSAAGL	0.2680	2750.9		50.00	Sequence
DRB1_1302	48	CDAVLSAAGLGDIGE	DAVLSAAGL	0.2674	2769.9		50.00	Sequence
DRB1_1302	45	HALCDAVLSAAGLGD	DAVLSAAGL	0.2542	3195.3		50.00	Sequence
DRB1_1302	72	QGVSGADMLRHVVVL	DMLRHVVVL	0.2432	3598.2		50.00	Sequence
DRB1_1302	122	LLNAPVSVSATT	VSVSATT	0.2429	3611.3		50.00	Sequence
DRB1_1302	135	DGLGLTGRGEGLAIA	GLTGRGEG	0.2421	3640.2		50.00	Sequence
DRB1_1302	65	GVDDPRWQGVSGADM	WQGVSGADM	0.2384	3791.3		50.00	Sequence
DRB1_1302	123	LNAPVSVSATT	VSATT	0.2376	3825.5		50.00	Sequence

DRB1_1302	101	VIGNRPKIGWRRLEA	IGNRPKIGW	0.2227	4494.1	50.00	Sequence
DRB1_1302	124	NAPVSVSATTDDGLG	VSATTDDGL	0.2216	4546.3	50.00	Sequence
DRB1_1302	125	APVSVSATTDDGLGL	ATTDDGLGL	0.2163	4812.6	50.00	Sequence
DRB1_1302	126	PVSVSATTDDGLGLT	VSATTDDGL	0.2053	5421.4	50.00	Sequence
DRB1_1302	102	IGNRPKIGWRRLEAQ	RPKIGWRRL	0.1918	6278.5	50.00	Sequence
DRB1_1302	127	VSVSATTDDGLGLTG	VSATTDDGL	0.1715	7817.9	50.00	Sequence
DRB1_1302	9	GTDVHPIEPGRPCWL	IEPGRPCWL	0.1710	7863.9	50.00	Sequence
DRB1_1302	134	TDGLGLTGRGEGGLAA	GLTGRGEGGL	0.1673	8183.3	50.00	Sequence
DRB1_1302	1	NQLPRVGLGTDVHPI	GLGTDVHPI	0.1665	8250.4	50.00	Sequence
DRB1_1302	2	QLPRVGLGTDVHPIE	GLGTDVHPI	0.1639	8489.1	50.00	Sequence
DRB1_1302	54	AAGLGDIGEVFGVDD	IGEVFGVDD	0.1639	8489.4	50.00	Sequence
DRB1_1302	50	AVLSAAGLGDIGEVF	LSAAGLGD	0.1638	8499.6	50.00	Sequence
DRB1_1302	52	LSAAGLGDIGEVFGV	LSAAGLGD	0.1606	8795.5	50.00	Sequence
DRB1_1302	3	LPRVGLGTDVHPIEP	GLGTDVHPI	0.1605	8808.7	50.00	Sequence
DRB1_1302	6	VGLGTDVHPIEPGRP	GLGTDVHPI	0.1568	9168.7	50.00	Sequence
DRB1_1302	133	TTDGLGLTGRGEGLA	GLTGRGEGGL	0.1560	9241.3	50.00	Sequence
DRB1_1302	132	TTDDGLGLTGRGEGGL	GLTGRGEGGL	0.1541	9439.2	50.00	Sequence
DRB1_1302	7	GLGTDVHPIEPGRPC	VHPIEPGRP	0.1525	9606.3	50.00	Sequence
DRB1_1302	4	PRVGLGTDVHPIEPG	GLGTDVHPI	0.1505	9815.5	50.00	Sequence
DRB1_1302	0	VNQLPRVGLGTDVHP	VNQLPRVGL	0.1503	9837.2	50.00	Sequence
DRB1_1302	58	GDIGEVFGVDDPRWQ	VFGVDDPRW	0.1502	9844.7	50.00	Sequence
DRB1_1302	36	GHSDDGDVAVHALCDA	DGDVAVHAL	0.1481	10072.8	50.00	Sequence
DRB1_1302	128	SVSATTDDGLGLTGR	VSATTDDGL	0.1480	10085.6	50.00	Sequence
DRB1_1302	51	VLSAAGLGDIGEVFG	LSAAGLGD	0.1456	10344.5	50.00	Sequence
DRB1_1302	55	AGLGDIGEVFGVDDP	IGEVFGVDD	0.1449	10428.7	50.00	Sequence
DRB1_1302	60	IGEVFGVDDPRWQGV	VFGVDDPRW	0.1424	10711.6	50.00	Sequence
DRB1_1302	129	VSATTDDGLGLTGRG	VSATTDDGL	0.1399	11005.8	50.00	Sequence
DRB1_1302	10	TDVHPIEPGRPCWL	IEPGRPCWL	0.1398	11019.6	50.00	Sequence
DRB1_1302	5	RVGLGTDVHPIEPGR	GLGTDVHPI	0.1335	11797.7	50.00	Sequence
DRB1_1302	33	GCAGHSDGDVAVHAL	DGDVAVHAL	0.1310	12123.8	50.00	Sequence
DRB1_1302	57	LGDIGEVFGVDDPRW	VFGVDDPRW	0.1291	12371.6	50.00	Sequence
DRB1_1302	12	VHPIEPGRPCWLVLG	IEPGRPCWL	0.1289	12392.4	50.00	Sequence
DRB1_1302	59	DIGEVFGVDDPRWQG	VFGVDDPRW	0.1284	12468.5	50.00	Sequence
DRB1_1302	103	GNRPKIGWRRLEAQA	RPKIGWRRL	0.1274	12599.2	50.00	Sequence
DRB1_1302	11	DVHPIEPGRPCWLVG	IEPGRPCWL	0.1269	12661.6	50.00	Sequence
DRB1_1302	34	CAGHSDGDVAVHALC	DGDVAVHAL	0.1266	12708.0	50.00	Sequence
DRB1_1302	53	SAAGLGDIGEVFGVD	AGLGDIGEV	0.1239	13080.0	50.00	Sequence
DRB1_1302	13	HPIEPGRPCWLVLG	IEPGRPCWL	0.1233	13169.3	50.00	Sequence
DRB1_1302	64	FGVDDPRWQGVSGAD	RWQGVSGAD	0.1219	13371.5	50.00	Sequence
DRB1_1302	35	AGHSDGDVAVHALCD	DGDVAVHAL	0.1200	13649.1	50.00	Sequence
DRB1_1302	56	GLGDIGEVFGVDDPR	GDIGEVFGV	0.1198	13684.4	50.00	Sequence
DRB1_1302	14	PIEPGRPCWLVLG	IEPGRPCWL	0.1169	14121.2	50.00	Sequence
DRB1_1302	130	SATTDDGLGLTGRGE	ATTDDGLGL	0.1129	14736.1	50.00	Sequence
DRB1_1302	8	LGTDVHPIEPGRPCW	VHPIEPGRP	0.1117	14936.1	50.00	Sequence
DRB1_1302	15	IEPGRPCWLVLG	IEPGRPCWL	0.1090	15381.7	50.00	Sequence
DRB1_1302	131	ATTDDGLGLTGRGEG	ATTDDGLGL	0.1089	15389.3	50.00	Sequence
DRB1_1302	61	GEVFGVDDPRWQGV	VFGVDDPRW	0.1057	15937.5	50.00	Sequence
DRB1_1302	18	GRPCWLVLG	RPCWLVLG	0.0986	17206.9	50.00	Sequence
DRB1_1302	19	RPCWLVLG	VG	0.0982	17277.3	50.00	Sequence
DRB1_1302	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.0958	17735.8	50.00	Sequence
DRB1_1302	62	EVFGVDDPRWQGVSG	VFGVDDPRW	0.0951	17861.0	50.00	Sequence
DRB1_1302	30	SADGCAGHSDGDVAV	GHSDDGDVAV	0.0903	18819.0	50.00	Sequence
DRB1_1302	16	EPGRPCWLVLG	GRPCWLVLG	0.0893	19024.8	50.00	Sequence
DRB1_1302	17	PGRPCWLVLG	GRPCWLVLG	0.0886	19162.8	50.00	Sequence
DRB1_1302	31	ADGCAGHSDGDVAVH	GHSDDGDVAV	0.0860	19726.6	50.00	Sequence
DRB1_1302	32	DGCAGHSDGDVAVHA	GHSDDGDVAV	0.0852	19893.1	50.00	Sequence
DRB1_1302	20	PCWLVLG	VGLLFP	0.0830	20379.4	50.00	Sequence
DRB1_1302	21	CWLVLG	VGLLFP	0.0810	20810.3	50.00	Sequence
DRB1_1302	22	WLVGLLFP	SADGCAG	0.0786	21372.6	50.00	Sequence

DRB1_1302	23	LVGLLFPSADGCAGH	VGLLFPSAD	0.0703	23355.9	50.00	Sequence
DRB1_1302	24	VGLLFPSADGCAGHS	VGLLFPSAD	0.0699	23476.3	50.00	Sequence
DRB1_1302	25	GLLFPSADGCAGHSD	LLFPSADGC	0.0518	28556.8	50.00	Sequence
DRB1_1302	29	PSADGCAGHSDGDVA	AGHSDGDVA	0.0392	32708.3	50.00	Sequence
DRB1_1302	26	LLFPSADGCAGHSDG	LLFPSADGC	0.0340	34628.3	50.00	Sequence
DRB1_1302	27	LFPSADGCAGHSDGD	LFPSADGCA	0.0258	37827.9	50.00	Sequence
DRB1_1302	28	FPSADGCAGHSDGDV	CAGHSDGDV	0.0242	38461.8	50.00	Sequence

Allele: DRB1_1302. Number of high binders 16. Number of weak binders 24. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB1_1501	96	NAVQVIGNRPKIGW	VVQVIGNRP	0.7244	19.7	SB	1.00 Sequence
DRB1_1501	95	GNAVQVIGNRPKIG	VVQVIGNRP	0.7227	20.1	SB	1.00 Sequence
DRB1_1501	81	RHVVLITQHGYRVG	HVVVLITQH	0.7226	20.1	SB	1.00 Sequence
DRB1_1501	97	AVQVIGNRPKIGWR	VVQVIGNRP	0.7196	20.8	SB	1.00 Sequence
DRB1_1501	82	HVVVLITQHGYRVGN	HVVVLITQH	0.7157	21.7	SB	2.00 Sequence
DRB1_1501	80	LRHVVLITQHGYRV	HVVVLITQH	0.6962	26.8	SB	2.00 Sequence
DRB1_1501	116	QAVLSRLLNAPVSVS	LSRLLNAPV	0.6853	30.1	SB	2.00 Sequence
DRB1_1501	115	AQAVLSRLLNAPVSV	VLSRLLNAP	0.6815	31.4	SB	2.00 Sequence
DRB1_1501	94	VGNNAVQVIGNRPKI	VVQVIGNRP	0.6724	34.6	SB	4.00 Sequence
DRB1_1501	79	MLRHVVVLITQHGYR	HVVVLITQH	0.6695	35.7	SB	4.00 Sequence
DRB1_1501	114	EAQAVLSRLLNAPVS	VLSRLLNAP	0.6559	41.4	SB	4.00 Sequence
DRB1_1501	117	AVLSRLLNAPVSVSA	LSRLLNAPV	0.6515	43.4	SB	4.00 Sequence
DRB1_1501	78	DMLRHVVVLITQHGY	HVVVLITQH	0.6508	43.8	SB	4.00 Sequence
DRB1_1501	93	RVGNNAVQVIGNRPK	VVQVIGNRP	0.6285	55.7	WB	4.00 Sequence
DRB1_1501	113	LEAQAVLSRLLNAPV	VLSRLLNAP	0.6256	57.4	WB	8.00 Sequence
DRB1_1501	83	VVVLITQHGYRVGNA	VLITQHGYR	0.6245	58.1	WB	8.00 Sequence
DRB1_1501	85	VLITQHGYRVGNNAV	VLITQHGYR	0.6231	59.0	WB	8.00 Sequence
DRB1_1501	84	VVVLITQHGYRVGNNAV	VLITQHGYR	0.6225	59.4	WB	8.00 Sequence
DRB1_1501	77	ADMLRHVVVLITQH	HVVVLITQH	0.6208	60.5	WB	8.00 Sequence
DRB1_1501	76	GADMLRHVVVLITQH	HVVVLITQH	0.6000	75.8	WB	8.00 Sequence
DRB1_1501	118	VLSRLLNAPVSVSAT	VLSRLLNAP	0.5861	88.1	WB	8.00 Sequence
DRB1_1501	112	RLEAQAVLSRLLNAP	VLSRLLNAP	0.5800	94.1	WB	8.00 Sequence
DRB1_1501	98	VVQVIGNRPKIGWRR	VVQVIGNRP	0.5790	95.1	WB	8.00 Sequence
DRB1_1501	92	YRVGNNAVQVIGNR	VVQVIGNRP	0.5727	101.9	WB	8.00 Sequence
DRB1_1501	108	IGWRRLEAQAVLSRL	GWRRLEAQA	0.5701	104.7	WB	8.00 Sequence
DRB1_1501	107	KIGWRRLEAQAVLSR	GWRRLEAQA	0.5624	113.8	WB	16.00 Sequence
DRB1_1501	105	RPKIGWRRLEAQAVL	GWRRLEAQA	0.5564	121.5	WB	16.00 Sequence
DRB1_1501	106	PKIGWRRLEAQAVLS	GWRRLEAQA	0.5490	131.6	WB	16.00 Sequence
DRB1_1501	109	GWRRLEAQAVLSRLL	GWRRLEAQA	0.5382	147.9	WB	16.00 Sequence
DRB1_1501	104	NRPKIGWRRLEAQAV	KIGWRRLEA	0.5267	167.6	WB	16.00 Sequence
DRB1_1501	111	RRLEAQAVLSRLLNA	EAQAVLSRL	0.5240	172.6	WB	16.00 Sequence
DRB1_1501	86	LITQHGYRVGNNAVQ	ITQHGYRVG	0.5174	185.2	WB	16.00 Sequence
DRB1_1501	87	ITQHGYRVGNNAVQV	ITQHGYRVG	0.4959	233.7	WB	16.00 Sequence
DRB1_1501	103	GNRPKIGWRRLEAQA	KIGWRRLEA	0.4837	266.9	WB	32.00 Sequence
DRB1_1501	91	GYRVGNNAVQVIGNR	AVVQVIGNR	0.4758	290.4	WB	32.00 Sequence
DRB1_1501	110	WRRLEAQAVLSRLLN	EAQAVLSRL	0.4693	311.8	WB	32.00 Sequence
DRB1_1501	73	GVSGADMLRHVVVLI	DMLRHVVVL	0.4638	330.8	WB	32.00 Sequence
DRB1_1501	74	VSGADMLRHVVVLIT	DMLRHVVVL	0.4567	357.3	WB	32.00 Sequence
DRB1_1501	72	QGVSGADMLRHVVVL	DMLRHVVVL	0.4544	366.1	WB	32.00 Sequence
DRB1_1501	75	SGADMLRHVVVLITQ	DMLRHVVVL	0.4476	394.4	WB	32.00 Sequence
DRB1_1501	88	TQHGYRVGNNAVQVI	HGYRVGNNAV	0.4428	415.4	WB	32.00 Sequence
DRB1_1501	119	LSRLLNAPVSVSATT	LSRLLNAPV	0.4385	435.2	WB	32.00 Sequence
DRB1_1501	43	AVHALCDAVLSAAGL	AVHALCDAV	0.4181	542.7	32.00	Sequence
DRB1_1501	142	RGEGLAAIATALVVS	GLAAIATAL	0.4154	558.4	32.00	Sequence

DRB1_1501	102	IGNRPKIGWRRLEAQ KIGWRRLEA	0.4151	560.3	32.00	Sequence
DRB1_1501	19	RPCWLVLGLLFPSADG LVGLLFPSA	0.4140	566.7	32.00	Sequence
DRB1_1501	18	GRPCWLVLGLLFPSAD LVGLLFPSA	0.4091	597.8	32.00	Sequence
DRB1_1501	141	GRGEGLAAIATALVV GLAAIATAL	0.4083	603.0	32.00	Sequence
DRB1_1501	89	QHGYRVGNNAVQVIG HGYRVGNNAV	0.4071	610.7	32.00	Sequence
DRB1_1501	17	PGRPCWLVLGLLFPSA LVGLLFPSA	0.3988	668.4	32.00	Sequence
DRB1_1501	99	VQVIGNRPKIGWRRRL QVIGNRPKI	0.3978	675.9	32.00	Sequence
DRB1_1501	42	VAVHALCDAVLSAAG AVHALCDAV	0.3966	684.4	32.00	Sequence
DRB1_1501	143	GEGLAAIATALVVSL GLAAIATAL	0.3955	692.3	32.00	Sequence
DRB1_1501	40	GDVAVHALCDAVLSA AVHALCDAV	0.3938	705.3	32.00	Sequence
DRB1_1501	44	VHALCDAVLSAAGLG AVLSAAGLG	0.3926	714.6	32.00	Sequence
DRB1_1501	139	LTGRGEGLAAIATAL EGLAAIATA	0.3901	734.6	32.00	Sequence
DRB1_1501	90	HGYRVGNNAVQVIGN GYRVGNNAV	0.3899	736.3	32.00	Sequence
DRB1_1501	41	DVAVHALCDAVLSAA AVHALCDAV	0.3875	755.5	32.00	Sequence
DRB1_1501	140	TGRGEGLAAIATALV GLAAIATAL	0.3872	757.7	32.00	Sequence
DRB1_1501	20	PCWLVLGLLFPSADGC LVGLLFPSA	0.3844	780.9	50.00	Sequence
DRB1_1501	144	EGLAAIATALVVSLR EGLAAIATA	0.3810	810.6	50.00	Sequence
DRB1_1501	100	QVIGNRPKIGWRRLE VIGNRPKIG	0.3702	911.0	50.00	Sequence
DRB1_1501	45	HALCDAVLSAAGLGD AVLSAAGLG	0.3671	942.1	50.00	Sequence
DRB1_1501	21	CWLVLGLLFPSADGCA LVGLLFPSA	0.3632	982.1	50.00	Sequence
DRB1_1501	46	ALCDAVLSAAGLGD CDAVLSAAG	0.3611	1005.5	50.00	Sequence
DRB1_1501	22	WLVLGLLFPSADGCAG LVGLLFPSA	0.3534	1092.6	50.00	Sequence
DRB1_1501	101	VIGNRPKIGWRRLEA KIGWRRLEA	0.3508	1123.7	50.00	Sequence
DRB1_1501	1	NQLPRVGLGTDVHPI RVGLGTDVH	0.3460	1183.9	50.00	Sequence
DRB1_1501	138	GLTGRGEGLAAIATA LTGRGEGLA	0.3450	1196.5	50.00	Sequence
DRB1_1501	0	VNQLPRVGLGTDVHP RVGLGTDVH	0.3340	1346.8	50.00	Sequence
DRB1_1501	16	EPGRPCWLVLGLLFPS WLVLGLLFPS	0.3299	1409.2	50.00	Sequence
DRB1_1501	2	QLPRVGLGTDVHPIE RVGLGTDVH	0.3237	1506.7	50.00	Sequence
DRB1_1501	39	DGDVAVHALCDAVLS AVHALCDAV	0.3234	1511.0	50.00	Sequence
DRB1_1501	47	LCDAVLSAAGLGDIG AVLSAAGLG	0.2996	1955.3	50.00	Sequence
DRB1_1501	23	LVGLLFPSADGCAGH LVGLLFPSA	0.2959	2035.7	50.00	Sequence
DRB1_1501	38	SDGDVAVHALCDAVL AVHALCDAV	0.2922	2118.0	50.00	Sequence
DRB1_1501	3	LPRVGLGTDVHPIEP RVGLGTDVH	0.2791	2439.7	50.00	Sequence
DRB1_1501	48	CDAVLSAAGLGDIGE AVLSAAGLG	0.2721	2631.4	50.00	Sequence
DRB1_1501	71	WQGVSGADMLRHVVV GVSGADMLR	0.2703	2683.6	50.00	Sequence
DRB1_1501	4	PRVGLGTDVHPIEPG RVGLGTDVH	0.2629	2907.1	50.00	Sequence
DRB1_1501	137	LGLTGRGEGLAAIAT LTGRGEGLA	0.2622	2930.4	50.00	Sequence
DRB1_1501	15	IEPGRPCWLVLGLLFP RPCWLVLGLL	0.2621	2933.2	50.00	Sequence
DRB1_1501	136	GLGLTGRGEGLAIA LTGRGEGLA	0.2564	3121.3	50.00	Sequence
DRB1_1501	135	DGLGLTGRGEGLAAI LTGRGEGLA	0.2536	3217.6	50.00	Sequence
DRB1_1501	50	AVLSAAGLGDIGEVF AVLSAAGLG	0.2455	3510.0	50.00	Sequence
DRB1_1501	70	RWQGVSGADMLRHVV GVSGADMLR	0.2449	3531.8	50.00	Sequence
DRB1_1501	49	DAVLSAAGLGDIGEV AVLSAAGLG	0.2420	3646.3	50.00	Sequence
DRB1_1501	120	SRLLNAPVSVSATTT LLNAPVSVS	0.2387	3779.1	50.00	Sequence
DRB1_1501	5	RVGLGTDVHPIEPGR RVGLGTDVH	0.2368	3856.7	50.00	Sequence
DRB1_1501	14	PIEPGRPCWLVLGLLF RPCWLVLGLL	0.2319	4067.3	50.00	Sequence
DRB1_1501	69	PRWQGVSGADMLRHV GVSGADMLR	0.2313	4092.5	50.00	Sequence
DRB1_1501	11	DVHPIEPGRPCWLVG DVHPIEPGR	0.2269	4292.5	50.00	Sequence
DRB1_1501	13	HPIEPGRPCWLVLGLL RPCWLVLGLL	0.2251	4378.0	50.00	Sequence
DRB1_1501	12	VHPIEPGRPCWLVLG PGRPCWLVG	0.2190	4676.4	50.00	Sequence
DRB1_1501	133	TTDGLGLTGRGEGLA LTGRGEGLA	0.2139	4941.4	50.00	Sequence
DRB1_1501	121	RLLNAPVSVSATTTD LLNAPVSVS	0.2126	5011.0	50.00	Sequence
DRB1_1501	68	DPRWQGVSGADMLRH GVSGADMLR	0.2125	5016.8	50.00	Sequence
DRB1_1501	134	TDGLGLTGRGEGLAA LTGRGEGLA	0.2107	5113.6	50.00	Sequence
DRB1_1501	10	TDVHPIEPGRPCWL VDVHPIEPGR	0.2021	5612.5	50.00	Sequence
DRB1_1501	51	VLSAAGLGDIGEVFG GLGDIGEVF	0.2009	5689.2	50.00	Sequence
DRB1_1501	37	HSDGDVAVHALCDAV AVHALCDAV	0.2005	5713.6	50.00	Sequence
DRB1_1501	52	LSAAGLGDIGEVFGV GLGDIGEVF	0.1896	6427.8	50.00	Sequence
DRB1_1501	132	TTDGLGLTGRGEGLE DGLGLTGRG	0.1866	6639.2	50.00	Sequence

DRB1_1501	58	GDIGEVFGVDDPRWQ	EVFGVDDPR	0.1819	6985.1	50.00	Sequence
DRB1_1501	9	GTDVHPIEPGRPCWL	DVHPIEPGR	0.1818	6996.8	50.00	Sequence
DRB1_1501	53	SAAGLDIGEVFGVD	AGLDIGEV	0.1746	7560.1	50.00	Sequence
DRB1_1501	57	LGDIGEVFGVDDPRW	EVFGVDDPR	0.1720	7776.8	50.00	Sequence
DRB1_1501	56	GLDIGEVFGVDDPR	EVFGVDDPR	0.1602	8830.1	50.00	Sequence
DRB1_1501	131	ATTTDGLGLTGRGEG	TDGLGLTGR	0.1591	8939.4	50.00	Sequence
DRB1_1501	8	LGTDVHPIEPGRPCW	DVHPIEPGR	0.1581	9042.2	50.00	Sequence
DRB1_1501	59	DIGEVFGVDDPRWQG	EVFGVDDPR	0.1576	9090.2	50.00	Sequence
DRB1_1501	122	LLNAPVSVSATTDDG	LLNAPVSVS	0.1571	9135.1	50.00	Sequence
DRB1_1501	130	SATTTDGLGLTGRGE	TDGLGLTGR	0.1559	9258.9	50.00	Sequence
DRB1_1501	6	VGLGTDVHPIEPGRP	DVHPIEPGR	0.1543	9414.9	50.00	Sequence
DRB1_1501	67	DDPRWQGVSGADMLR	RWQGVSGAD	0.1534	9513.7	50.00	Sequence
DRB1_1501	61	GEVFGVDDPRWQGV	EVFGVDDPR	0.1518	9677.7	50.00	Sequence
DRB1_1501	55	AGLDIGEVFGVDDP	GLDIGEVF	0.1515	9710.3	50.00	Sequence
DRB1_1501	60	IGEVFGVDDPRWQGV	EVFGVDDPR	0.1503	9837.1	50.00	Sequence
DRB1_1501	7	GLGTDVHPIEPGRPC	DVHPIEPGR	0.1485	10023.2	50.00	Sequence
DRB1_1501	54	AAGLDIGEVFGVDD	GLDIGEVF	0.1473	10162.6	50.00	Sequence
DRB1_1501	32	DGCAGHSDGDVAVHA	DGCAGHSDG	0.1449	10422.4	50.00	Sequence
DRB1_1501	31	ADGCAGHSDGDVAVH	GCAGHSDGD	0.1411	10866.8	50.00	Sequence
DRB1_1501	24	VGLLFPADGCAGHS	GLLFPADG	0.1400	10996.0	50.00	Sequence
DRB1_1501	123	LNAPVSVSATTDDGL	APVSVSATT	0.1339	11740.3	50.00	Sequence
DRB1_1501	62	EVFGVDDPRWQGVSG	EVFGVDDPR	0.1316	12039.6	50.00	Sequence
DRB1_1501	124	NAPVSVSATTDDGLG	APVSVSATT	0.1299	12266.5	50.00	Sequence
DRB1_1501	128	SVSATTTDGLGLTGR	TDGLGLTGR	0.1278	12550.7	50.00	Sequence
DRB1_1501	125	APVSVSATTDDGLGL	APVSVSATT	0.1255	12860.4	50.00	Sequence
DRB1_1501	25	GLLFPADGCAGHSD	GLLFPADG	0.1246	12992.6	50.00	Sequence
DRB1_1501	129	VSATTTDGLGLTGRG	TDGLGLTGR	0.1243	13024.1	50.00	Sequence
DRB1_1501	66	VDDPRWQGVSGADML	RWQGVSGAD	0.1209	13521.3	50.00	Sequence
DRB1_1501	26	LLFPADGCAGHSDG	LLFPADGC	0.1193	13759.1	50.00	Sequence
DRB1_1501	30	SADGCAGHSDGDVAV	DGCAGHSDG	0.1188	13822.2	50.00	Sequence
DRB1_1501	29	PSADGCAGHSDGDVA	DGCAGHSDG	0.1180	13941.3	50.00	Sequence
DRB1_1501	33	GCAGHSDGDVAVHAL	HSDGDVAVH	0.1153	14353.4	50.00	Sequence
DRB1_1501	34	CAGHSDGDVAVHALC	HSDGDVAVH	0.1131	14700.7	50.00	Sequence
DRB1_1501	127	VSVSATTTDGLGLTG	SVSATTTDG	0.1113	14995.6	50.00	Sequence
DRB1_1501	65	GVDDPRWQGVSGADM	RWQGVSGAD	0.1076	15614.7	50.00	Sequence
DRB1_1501	35	AGHSDGDVAVHALCD	HSDGDVAVH	0.1041	16208.6	50.00	Sequence
DRB1_1501	28	FPSADGCAGHSDGDV	DGCAGHSDG	0.1040	16222.8	50.00	Sequence
DRB1_1501	36	GHSDDGDVAVHALCDA	HSDGDVAVH	0.1029	16424.5	50.00	Sequence
DRB1_1501	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.1006	16834.9	50.00	Sequence
DRB1_1501	126	PVSVSATTTDGLGLT	PVSVSATTT	0.0980	17317.5	50.00	Sequence
DRB1_1501	64	FGVDDPRWQGVSGAD	DPRWQGVSG	0.0872	19472.5	50.00	Sequence
DRB1_1501	27	LFPSADGCAGHSDGD	PSADGCAGH	0.0843	20074.9	50.00	Sequence

Allele: DRB1_1501. Number of high binders 13. Number of weak binders 29. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB3_0101	58	GDIGEVFGVDDPRWQ	FGVDDPRWQ	0.6141	65.0	WB	0.80 Sequence
DRB3_0101	59	DIGEVFGVDDPRWQG	FGVDDPRWQ	0.5920	82.6	WB	2.00 Sequence
DRB3_0101	60	IGEVFGVDDPRWQGV	FGVDDPRWQ	0.5765	97.7	WB	2.00 Sequence
DRB3_0101	61	GEVFGVDDPRWQGV	FGVDDPRWQ	0.5436	139.4	WB	2.00 Sequence
DRB3_0101	62	EVFGVDDPRWQGVSG	FGVDDPRWQ	0.5160	188.1	WB	4.00 Sequence
DRB3_0101	63	VFGVDDPRWQGVSGA	FGVDDPRWQ	0.5010	221.2	WB	4.00 Sequence
DRB3_0101	64	FGVDDPRWQGVSGAD	FGVDDPRWQ	0.4443	408.5	WB	8.00 Sequence
DRB3_0101	73	GVSADMLRHVVVLI	MLRHVVVLI	0.3645	968.7	16.00	Sequence
DRB3_0101	74	VSGADMLRHVVVLIT	MLRHVVVLI	0.3517	1112.3	16.00	Sequence

DRB3_0101	75	SGADMLRHVVVLITQ	MLRHVVVLI	0.3284	1431.3	16.00	Sequence
DRB3_0101	88	TQHGYRVGNVAVVQVI	VGNVAVVQVI	0.3213	1546.7	16.00	Sequence
DRB3_0101	76	GADMLRHVVVLITQH	MLRHVVVLI	0.3055	1834.3	16.00	Sequence
DRB3_0101	89	QHGYSRVGNVAVVQVIG	VGNVAVVQVI	0.3044	1856.2	16.00	Sequence
DRB3_0101	78	DMLRHVVVLITQHGY	MLRHVVVLI	0.3018	1909.7	16.00	Sequence
DRB3_0101	90	HGYSRVGNVAVVQVIGN	VGNVAVVQVI	0.2912	2140.9	32.00	Sequence
DRB3_0101	77	ADMLRHVVVLITQHGY	MLRHVVVLI	0.2905	2158.3	32.00	Sequence
DRB3_0101	52	LSAAGLDIGEVFGV	GLGDIGEVF	0.2863	2256.7	32.00	Sequence
DRB3_0101	79	MLRHVVVLITQHGYR	MLRHVVVLI	0.2785	2457.7	32.00	Sequence
DRB3_0101	53	SAAGLDIGEVFGVD	GLGDIGEVF	0.2773	2487.3	32.00	Sequence
DRB3_0101	91	GYSRVGNVAVVQVIGNR	VGNVAVVQVI	0.2710	2664.7	32.00	Sequence
DRB3_0101	50	AVLSAAGLDIGEVF	GLGDIGEVF	0.2669	2785.3	32.00	Sequence
DRB3_0101	54	AAGLDIGEVFGVDD	GLGDIGEVF	0.2594	3021.5	32.00	Sequence
DRB3_0101	51	VLSAAGLDIGEVFG	GLGDIGEVF	0.2588	3040.4	32.00	Sequence
DRB3_0101	55	AGLDIGEVFGVDDP	GLGDIGEVF	0.2582	3061.0	32.00	Sequence
DRB3_0101	92	YRVGNVAVVQVIGNRP	VGNVAVVQVI	0.2491	3378.1	32.00	Sequence
DRB3_0101	56	GLGDIGEVFGVDDPR	GLGDIGEVF	0.2467	3464.2	32.00	Sequence
DRB3_0101	116	QAVLSRLLNAPVSVS	LLNAPVSVS	0.2445	3550.1	32.00	Sequence
DRB3_0101	93	RVGNVAVVQVIGNRPK	VGNVAVVQVI	0.2402	3718.9	32.00	Sequence
DRB3_0101	105	RPKIGWRRLEAQAVL	WRRLEAQAV	0.2378	3814.1	32.00	Sequence
DRB3_0101	104	NRPKIGWRRLEAQAV	WRRLEAQAV	0.2326	4037.1	32.00	Sequence
DRB3_0101	40	GDVAVHALCDAVLSA	AVHALCDAV	0.2313	4093.5	32.00	Sequence
DRB3_0101	80	LRHVVLITQHGYRV	VVLITQHGY	0.2270	4287.1	32.00	Sequence
DRB3_0101	41	DVAVHALCDAVLSAA	AVHALCDAV	0.2248	4390.4	32.00	Sequence
DRB3_0101	106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.2237	4444.3	32.00	Sequence
DRB3_0101	117	AVLSRLLNAPVSVSA	LLNAPVSVS	0.2234	4459.7	32.00	Sequence
DRB3_0101	94	VGNVAVVQVIGNRPKI	VGNVAVVQVI	0.2087	5225.5	32.00	Sequence
DRB3_0101	81	RHVVLITQHGYRVG	LITQHGYRV	0.2080	5265.3	32.00	Sequence
DRB3_0101	42	VAVHALCDAVLSAAG	AVHALCDAV	0.2078	5276.2	32.00	Sequence
DRB3_0101	118	VLSRLLNAPVSVSAT	LLNAPVSVS	0.2047	5460.8	50.00	Sequence
DRB3_0101	82	HVVVLITQHGYRVGN	LITQHGYRV	0.2045	5469.5	50.00	Sequence
DRB3_0101	10	TDVHPIEPGRPCWL	IEPGRPCWL	0.1996	5765.7	50.00	Sequence
DRB3_0101	12	VHPIEPGRPCWL	IEPGRPCWL	0.1976	5893.8	50.00	Sequence
DRB3_0101	107	KIGWRRLEAQAVLSR	WRRLEAQAV	0.1967	5950.4	50.00	Sequence
DRB3_0101	84	VVLITQHGYRVGNVAV	LITQHGYRV	0.1953	6040.5	50.00	Sequence
DRB3_0101	43	AVHALCDAVLSAAGL	AVHALCDAV	0.1951	6054.2	50.00	Sequence
DRB3_0101	39	DGDVAVHALCDAVLS	AVHALCDAV	0.1951	6056.4	50.00	Sequence
DRB3_0101	87	ITQHGYRVGNVAVVQV	RVGNVAVVQV	0.1914	6303.4	50.00	Sequence
DRB3_0101	83	VVVLITQHGYRVGNA	LITQHGYRV	0.1912	6315.4	50.00	Sequence
DRB3_0101	115	AQAVLSRLLNAPVSV	RLLNAPVSV	0.1899	6408.0	50.00	Sequence
DRB3_0101	11	DVHPIEPGRPCWL	IEPGRPCWL	0.1894	6441.3	50.00	Sequence
DRB3_0101	13	HPIEPGRPCWL	IEPGRPCWL	0.1868	6622.6	50.00	Sequence
DRB3_0101	119	LSRLLNAPVSVSATT	LLNAPVSVS	0.1839	6839.8	50.00	Sequence
DRB3_0101	14	PIEPGRPCWL	IEPGRPCWL	0.1837	6854.7	50.00	Sequence
DRB3_0101	38	SDGDVAVHALCDAVL	AVHALCDAV	0.1826	6935.9	50.00	Sequence
DRB3_0101	108	IGWRRLEAQAVLSRL	WRRLEAQAV	0.1825	6937.5	50.00	Sequence
DRB3_0101	15	IEPGRPCWL	IEPGRPCWL	0.1817	6998.8	50.00	Sequence
DRB3_0101	37	HSDGDVAVHALCDAV	AVHALCDAV	0.1810	7053.9	50.00	Sequence
DRB3_0101	33	GCAGHSDGDVAVHAL	GHSDDGDVAV	0.1807	7078.3	50.00	Sequence
DRB3_0101	32	DGCAGHSDGDVAVHA	GHSDDGDVAV	0.1793	7183.6	50.00	Sequence
DRB3_0101	34	CAGHSDGDVAVHALC	GHSDDGDVAV	0.1780	7284.5	50.00	Sequence
DRB3_0101	109	GWRRLEAQAVLSRLL	WRRLEAQAV	0.1767	7387.9	50.00	Sequence
DRB3_0101	110	WRRLEAQAVLSRLLN	WRRLEAQAV	0.1738	7622.6	50.00	Sequence
DRB3_0101	120	SRLLNAPVSVSATT	LLNAPVSVS	0.1734	7661.5	50.00	Sequence
DRB3_0101	35	AGHSDGDVAVHALCD	GHSDDGDVAV	0.1697	7975.7	50.00	Sequence
DRB3_0101	85	VLITQHGYRVGNVAV	LITQHGYRV	0.1686	8070.4	50.00	Sequence
DRB3_0101	72	QGVSGADMLRHVVVL	SGADMLRHV	0.1673	8183.8	50.00	Sequence
DRB3_0101	36	GHSDDGDVAVHALCDA	GHSDDGDVAV	0.1670	8205.0	50.00	Sequence
DRB3_0101	9	GTDVHPIEPGRPCWL	IEPGRPCWL	0.1664	8258.2	50.00	Sequence

DRB3_0101	121	RLLNAPVSVSATTDD LLNAPVSVS	0.1654	8351.6	50.00	Sequence
DRB3_0101	16	EPGRPCWLVLGLLFPS WLVLGLLFPS	0.1604	8814.0	50.00	Sequence
DRB3_0101	2	QLPRVGLGTDVHPIE GLGTDVHPI	0.1598	8869.6	50.00	Sequence
DRB3_0101	86	LITQHGYRVGNVAVVQ LITQHGYRV	0.1582	9026.7	50.00	Sequence
DRB3_0101	69	PRWQGVSGADMLRHV SGADMLRHV	0.1575	9096.6	50.00	Sequence
DRB3_0101	31	ADGCAGHSDGDVAVH GHSDGDVAV	0.1559	9259.1	50.00	Sequence
DRB3_0101	70	RWQGVSGADMLRHVV SGADMLRHV	0.1546	9384.0	50.00	Sequence
DRB3_0101	44	VHALCDAVLSAAGLG ALCDVLSA	0.1525	9598.0	50.00	Sequence
DRB3_0101	3	LPRVGLGTDVHPIEP GLGTDVHPI	0.1517	9684.5	50.00	Sequence
DRB3_0101	71	WQGVSGADMLRHVVV SGADMLRHV	0.1517	9685.6	50.00	Sequence
DRB3_0101	57	LGDIGEVFGVDDPRW GDIGEVFGV	0.1515	9711.2	50.00	Sequence
DRB3_0101	46	ALCDVLSAAGLGDI LSAAGLGDI	0.1514	9717.7	50.00	Sequence
DRB3_0101	30	SADGCAGHSDGDVAV GHSDGDVAV	0.1509	9768.8	50.00	Sequence
DRB3_0101	122	LLNAPVSVSATTDDG LLNAPVSVS	0.1499	9881.5	50.00	Sequence
DRB3_0101	143	GEGLAAIATALVVSL IATALVVSL	0.1480	10076.7	50.00	Sequence
DRB3_0101	18	GRPCWLVLGLLFPSAD WLVLGLLFPS	0.1439	10540.1	50.00	Sequence
DRB3_0101	141	GRGEGLAAIATALVV LAIATALV	0.1411	10861.8	50.00	Sequence
DRB3_0101	126	PVSVSATTDDGLGLT TTTDGLGLT	0.1407	10906.8	50.00	Sequence
DRB3_0101	4	PRVGLGTDVHPIEPG GLGTDVHPI	0.1405	10935.8	50.00	Sequence
DRB3_0101	17	PGRPCWLVLGLLFPSA WLVLGLLFPS	0.1378	11257.5	50.00	Sequence
DRB3_0101	144	EGLAAIATALVVSLR IATALVVSL	0.1358	11505.9	50.00	Sequence
DRB3_0101	140	TGRGEGLAAIATALV LAIATALV	0.1326	11904.3	50.00	Sequence
DRB3_0101	22	WLVLGLLFPSADGCAG WLVLGLLFPS	0.1324	11939.1	50.00	Sequence
DRB3_0101	19	RPCWLVLGLLFPSADG WLVLGLLFPS	0.1309	12135.4	50.00	Sequence
DRB3_0101	127	VSVSATTDDGLGLTG TTTDGLGLT	0.1306	12167.3	50.00	Sequence
DRB3_0101	45	HALCDAVLSAAGLGD ALCDVLSA	0.1294	12332.5	50.00	Sequence
DRB3_0101	20	PCWLVLGLLFPSADGC VLLFPSAD	0.1289	12400.3	50.00	Sequence
DRB3_0101	5	RVGLGTDVHPIEPGR GLGTDVHPI	0.1282	12487.8	50.00	Sequence
DRB3_0101	1	NQLPRVGLGTDVHPI GLGTDVHPI	0.1280	12519.1	50.00	Sequence
DRB3_0101	21	CWLVLGLLFPSADGCA WLVLGLLFPS	0.1265	12728.3	50.00	Sequence
DRB3_0101	142	RGEGLAAIATALVVS LAIATALV	0.1226	13276.9	50.00	Sequence
DRB3_0101	128	VSVSATTDDGLGLTGR TTTDGLGLT	0.1196	13711.5	50.00	Sequence
DRB3_0101	66	VDDPRWQGVSGADML QGVSGADML	0.1166	14164.1	50.00	Sequence
DRB3_0101	49	DAVLSAAGLGDIGEV AGLGDIGEV	0.1163	14211.9	50.00	Sequence
DRB3_0101	7	GLGTDVHPIEPGRPC GLGTDVHPI	0.1082	15510.2	50.00	Sequence
DRB3_0101	6	VGLGTDVHPIEPGRP GLGTDVHPI	0.1080	15544.9	50.00	Sequence
DRB3_0101	68	DPRWQGVSGADMLRH QGVSGADML	0.1061	15865.3	50.00	Sequence
DRB3_0101	67	DDPRWQGVSGADMLR QGVSGADML	0.1058	15913.6	50.00	Sequence
DRB3_0101	23	LVLLFPSADGCAGH VLLFPSAD	0.1039	16252.0	50.00	Sequence
DRB3_0101	129	VSATTDDGLGLTGRG TTTDGLGLT	0.1012	16730.3	50.00	Sequence
DRB3_0101	95	GNAVQVIGNRPKIG VIGNRPKIG	0.0984	17233.6	50.00	Sequence
DRB3_0101	24	VLLFPSADGCAGHS VLLFPSAD	0.0980	17314.9	50.00	Sequence
DRB3_0101	96	NAVQVIGNRPKIGW VIGNRPKIG	0.0975	17413.9	50.00	Sequence
DRB3_0101	65	GVDDPRWQGVSGADM WQGVSGADM	0.0968	17543.8	50.00	Sequence
DRB3_0101	47	LCDAVLSAAGLGDIG LSAAGLGDI	0.0964	17616.1	50.00	Sequence
DRB3_0101	48	CDVLSAAGLGDIGE LSAAGLGDI	0.0903	18828.2	50.00	Sequence
DRB3_0101	113	LEAQAVLSRLLNAPV LSRLLNAPV	0.0889	19116.6	50.00	Sequence
DRB3_0101	111	RRLEAQAVLSRLLNA AQAVLSRLL	0.0888	19121.5	50.00	Sequence
DRB3_0101	114	EAQAVLSRLLNAPVS AQAVLSRLL	0.0886	19161.1	50.00	Sequence
DRB3_0101	97	AVVQVIGNRPKIGWR VIGNRPKIG	0.0881	19277.5	50.00	Sequence
DRB3_0101	29	PSADGCAGHSDGDVA CAGHSDGDV	0.0861	19695.6	50.00	Sequence
DRB3_0101	123	LNAPVSVSATTDDGL VSATTDDGL	0.0854	19854.6	50.00	Sequence
DRB3_0101	28	FPSADGCAGHSDGDV CAGHSDGDV	0.0845	20037.4	50.00	Sequence
DRB3_0101	98	VVQVIGNRPKIGWRR VIGNRPKIG	0.0825	20486.8	50.00	Sequence
DRB3_0101	25	GLLFPSADGCAGHSD LFPADGC	0.0811	20795.4	50.00	Sequence
DRB3_0101	124	NAPVSVSATTDDGLG VSATTDDGL	0.0789	21281.2	50.00	Sequence
DRB3_0101	112	RLEAQAVLSRLLNAP AQAVLSRLL	0.0783	21426.3	50.00	Sequence
DRB3_0101	130	SATTDDGLGLTGRGE TTTDGLGLT	0.0761	21955.7	50.00	Sequence
DRB3_0101	100	QVIGNRPKIGWRRLE VIGNRPKIG	0.0751	22185.7	50.00	Sequence

DRB3_0101	125	APVSVSATTTDGLGL VSATTTDGL	0.0750	22210.2	50.00	Sequence
DRB3_0101	139	LTGRGEGLAAIATAL GLAAIATAL	0.0726	22790.0	50.00	Sequence
DRB3_0101	101	VIGNRPKIGWRRLEA VIGNRPKIG	0.0717	23006.1	50.00	Sequence
DRB3_0101	135	DGLGLTGRGEGLAAI GRGEGLAAI	0.0716	23049.4	50.00	Sequence
DRB3_0101	131	ATTTDGLGLTGRGEG TTTDGLGLT	0.0710	23204.8	50.00	Sequence
DRB3_0101	136	GLGLTGRGEGLAIA GRGEGLAAI	0.0693	23627.9	50.00	Sequence
DRB3_0101	138	GLTGRGEGLAIIATA GRGEGLAAI	0.0671	24203.4	50.00	Sequence
DRB3_0101	137	LGLTGRGEGLAIIAT GRGEGLAAI	0.0668	24278.6	50.00	Sequence
DRB3_0101	132	TTTDGLGLTGRGEG TTTDGLGLT	0.0659	24506.4	50.00	Sequence
DRB3_0101	99	VQVIGNRPKIGWRRLL VIGNRPKIG	0.0650	24746.2	50.00	Sequence
DRB3_0101	102	IGNRPKIGWRRLEAQ IGNRPKIGW	0.0598	26170.5	50.00	Sequence
DRB3_0101	0	VNQLPRVGLGTDVHP PRVGLGTDV	0.0589	26439.4	50.00	Sequence
DRB3_0101	8	LGTDVHPIEPGRPCW LGTDVHPIE	0.0584	26586.3	50.00	Sequence
DRB3_0101	26	LLFPSADGCAGHSDG LLFPSADGC	0.0491	29387.7	50.00	Sequence
DRB3_0101	103	GNRPKIGWRRLEAQA IGWRRLEAQ	0.0462	30320.8	50.00	Sequence
DRB3_0101	27	LFPSADGCAGHSDGD FPSADGCAG	0.0385	32975.5	50.00	Sequence
DRB3_0101	134	TDGLGLTGRGEGLA LTGRGEGLA	0.0369	33546.2	50.00	Sequence
DRB3_0101	133	TTDGLGLTGRGEGLA LTGRGEGLA	0.0352	34155.3	50.00	Sequence

Allele: DRB3_0101. Number of high binders 0. Number of weak binders 7. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB4_0101	80	LRHVVLITQHGYRV LRHVVLIT	0.7230	20.0	SB	1.00	Sequence
DRB4_0101	79	MLRHVVVLITQHGYR LRHVVLIT	0.7219	20.3	SB	1.00	Sequence
DRB4_0101	78	DMLRHVVVLITQHGY LRHVVLIT	0.7169	21.4	SB	2.00	Sequence
DRB4_0101	77	ADMLRHVVVLITQHGY LRHVVLIT	0.6963	26.7	SB	2.00	Sequence
DRB4_0101	76	GADMLRHVVVLITQH LRHVVLIT	0.6656	37.3	SB	4.00	Sequence
DRB4_0101	81	RHVVLITQHGYRVG VVLITQHGY	0.6650	37.5	SB	4.00	Sequence
DRB4_0101	82	HVVVLITQHGYRVGN VVLITQHGY	0.6635	38.1	SB	4.00	Sequence
DRB4_0101	75	SGADMLRHVVVLITQ LRHVVLIT	0.6372	50.7	WB	4.00	Sequence
DRB4_0101	74	VSGADMLRHVVVLIT LRHVVLIT	0.6205	60.7	WB	8.00	Sequence
DRB4_0101	83	VVLITQHGYRVGNA VVLITQHGY	0.6143	64.9	WB	8.00	Sequence
DRB4_0101	105	RPKIGWRRLEAQAVL IGWRRLEAQ	0.5713	103.4	WB	8.00	Sequence
DRB4_0101	106	PKIGWRRLEAQAVLS KIGWRRLEA	0.5626	113.6	WB	16.00	Sequence
DRB4_0101	104	NRPKIGWRRLEAQAV WRRLEAQAV	0.5516	127.9	WB	16.00	Sequence
DRB4_0101	115	AQAVLSRLLNAPVSV AQAVLSRLL	0.5443	138.5	WB	16.00	Sequence
DRB4_0101	84	VVLITQHGYRVGNAV VVLITQHGY	0.5436	139.5	WB	16.00	Sequence
DRB4_0101	114	EAQAVLSRLLNAPVS QAVLSRLLN	0.5285	164.2	WB	16.00	Sequence
DRB4_0101	113	LEAQAVLSRLLNAPV AQAVLSRLL	0.5201	180.0	WB	16.00	Sequence
DRB4_0101	107	KIGWRRLEAQAVLSR RRLEAQAVL	0.5175	185.1	WB	16.00	Sequence
DRB4_0101	103	GNRPKIGWRRLEAQA IGWRRLEAQ	0.5157	188.7	WB	16.00	Sequence
DRB4_0101	116	QAVLSRLLNAPVSVS QAVLSRLLN	0.4939	239.0	WB	32.00	Sequence
DRB4_0101	73	GVSGADMLRHVVVLI ADMLRHVVV	0.4901	248.9	WB	32.00	Sequence
DRB4_0101	111	RRLEAQAVLSRLLNA RRLEAQAVL	0.4820	271.7	WB	32.00	Sequence
DRB4_0101	108	IGWRRLEAQAVLSRL RRLEAQAVL	0.4783	282.9	WB	32.00	Sequence
DRB4_0101	109	GWRRLEAQAVLSRLL RRLEAQAVL	0.4782	283.0	WB	32.00	Sequence
DRB4_0101	110	WRRLEAQAVLSRLLN WRRLEAQAV	0.4766	288.0	WB	32.00	Sequence
DRB4_0101	102	IGNRPKIGWRRLEAQ IGWRRLEAQ	0.4755	291.6	WB	32.00	Sequence
DRB4_0101	117	AVLSRLLNAPVSVSA AVLSRLLNA	0.4491	387.9	WB	32.00	Sequence
DRB4_0101	94	VGNVAVQVIGNRPKI VQVIGNRPK	0.4454	403.8	WB	32.00	Sequence
DRB4_0101	72	QGVSGADMLRHVVVLI ADMLRHVVV	0.4447	406.5	WB	32.00	Sequence
DRB4_0101	112	RLEAQAVLSRLLNAP AQAVLSRLL	0.4411	423.1	WB	32.00	Sequence
DRB4_0101	93	RVGNVAVQVIGNRPK VQVIGNRPK	0.4403	426.6	WB	32.00	Sequence
DRB4_0101	71	WQGVSGADMLRHVVV ADMLRHVVV	0.4316	468.7	WB	32.00	Sequence
DRB4_0101	95	GNAVAVQVIGNRPKIG VQVIGNRPK	0.4157	556.5	32.00	Sequence	

DRB4_0101	92	YRVGNAVQVIGNRP	VGNAVQVI	0.4148	562.1	32.00	Sequence
DRB4_0101	97	AVQVIGNRPKIGWR	VQVIGNRPK	0.4129	573.7	32.00	Sequence
DRB4_0101	96	NAVQVIGNRPKIGW	VQVIGNRPK	0.4112	584.6	32.00	Sequence
DRB4_0101	91	GYRVGNAVQVIGNR	VGNAVQVI	0.3984	671.6	50.00	Sequence
DRB4_0101	98	VVQVIGNRPKIGWRR	VQVIGNRPK	0.3886	746.6	50.00	Sequence
DRB4_0101	101	VIGNRPKIGWRRLEA	KIGWRRLEA	0.3863	765.4	50.00	Sequence
DRB4_0101	99	VQVIGNRPKIGWRRL	VQVIGNRPK	0.3832	791.2	50.00	Sequence
DRB4_0101	70	RWQGVSGADMLRHVV	WQGVSGADM	0.3812	809.0	50.00	Sequence
DRB4_0101	118	VLRLNAPVSVSAT	LSRLNAPV	0.3790	827.9	50.00	Sequence
DRB4_0101	69	PRWQGVSGADMLRHV	WQGVSGADM	0.3753	861.9	50.00	Sequence
DRB4_0101	90	HGYRVGNAVQVIGN	GYRVGNAV	0.3718	894.9	50.00	Sequence
DRB4_0101	19	RPCWLVLGLLFPSADG	LVGLLFPSA	0.3685	927.2	50.00	Sequence
DRB4_0101	20	PCWLVLGLLFPSADGC	LVGLLFPSA	0.3672	941.3	50.00	Sequence
DRB4_0101	141	GRGEGLAAIATALVV	LAAIATALV	0.3634	980.7	50.00	Sequence
DRB4_0101	68	DPRWQGVSGADMLRH	WQGVSGADM	0.3603	1013.4	50.00	Sequence
DRB4_0101	40	GDVAVHALCDAVLSA	VHALCDAVL	0.3603	1014.2	50.00	Sequence
DRB4_0101	21	CWLVLGLLFPSADGCA	LVGLLFPSA	0.3596	1021.4	50.00	Sequence
DRB4_0101	140	TGRGEGLAAIATALV	LAAIATALV	0.3585	1034.2	50.00	Sequence
DRB4_0101	89	QHGYRVGNAVQVIG	VGNAVQVI	0.3554	1068.7	50.00	Sequence
DRB4_0101	100	QVIGNRPKIGWRRLE	QVIGNRPKI	0.3552	1071.0	50.00	Sequence
DRB4_0101	142	RGEGLAAIATALVVS	LAAIATALV	0.3539	1086.4	50.00	Sequence
DRB4_0101	39	DGDVAVHALCDAVLS	VHALCDAVL	0.3536	1090.1	50.00	Sequence
DRB4_0101	67	DDPRWQGVSGADMLR	WQGVSGADM	0.3526	1102.3	50.00	Sequence
DRB4_0101	16	EPGRPCWLVLGLLFPS	EPGRPCWL	0.3522	1106.3	50.00	Sequence
DRB4_0101	143	GEGLAAIATALVVSL	LAAIATALV	0.3485	1151.3	50.00	Sequence
DRB4_0101	18	GRPCWLVLGLLFPSAD	LVGLLFPSA	0.3470	1170.8	50.00	Sequence
DRB4_0101	88	TQHGYRVGNAVQVI	VGNAVQVI	0.3467	1174.6	50.00	Sequence
DRB4_0101	38	SDGDVAVHALCDAVL	VHALCDAVL	0.3466	1175.7	50.00	Sequence
DRB4_0101	119	LSRLNAPVSVSATT	LSRLNAPV	0.3394	1271.1	50.00	Sequence
DRB4_0101	22	WLVGLLFPSADGCAG	VGLLFPSAD	0.3393	1272.5	50.00	Sequence
DRB4_0101	42	VAVHALCDAVLSAAG	VHALCDAVL	0.3366	1310.7	50.00	Sequence
DRB4_0101	0	VNQLPRVGLGTDVHP	VNQLPRVGL	0.3348	1335.8	50.00	Sequence
DRB4_0101	144	EGLAAIATALVVSLR	LAAIATALV	0.3339	1349.0	50.00	Sequence
DRB4_0101	17	PGRPCWLVLGLLFPSA	LVGLLFPSA	0.3315	1383.7	50.00	Sequence
DRB4_0101	66	VDDPRWQGVSGADML	WQGVSGADM	0.3291	1421.5	50.00	Sequence
DRB4_0101	65	GVDDPRWQGVSGADM	WQGVSGADM	0.3288	1425.5	50.00	Sequence
DRB4_0101	85	VLITQHGYRVGNAV	VLITQHGYR	0.3268	1456.4	50.00	Sequence
DRB4_0101	41	DVAVHALCDAVLSAA	VHALCDAVL	0.3216	1541.4	50.00	Sequence
DRB4_0101	86	LITQHGYRVGNAVQ	LITQHGYRV	0.3209	1552.5	50.00	Sequence
DRB4_0101	43	AVHALCDAVLSAAGL	VHALCDAVL	0.3171	1617.4	50.00	Sequence
DRB4_0101	4	PRVGLGTDVHPIEPG	RVGLGTDVH	0.3087	1772.2	50.00	Sequence
DRB4_0101	87	ITQHGYRVGNAVQV	YRVGNAVQ	0.3070	1804.1	50.00	Sequence
DRB4_0101	15	IEPGRPCWLVLGLLFP	EPGRPCWL	0.3051	1841.6	50.00	Sequence
DRB4_0101	11	DVHPIEPGRPCWL	VHPIEPGRP	0.3034	1876.5	50.00	Sequence
DRB4_0101	10	TDVHPIEPGRPCWL	VHPIEPGRP	0.3003	1939.7	50.00	Sequence
DRB4_0101	12	VHPIEPGRPCWL	VHPIEPGRP	0.2985	1978.1	50.00	Sequence
DRB4_0101	23	LVGLLFPSADGCAGH	GLLFPSADG	0.2921	2119.9	50.00	Sequence
DRB4_0101	44	VHALCDAVLSAAGLG	VHALCDAVL	0.2915	2133.9	50.00	Sequence
DRB4_0101	14	PIEPGRPCWLVLGLLF	EPGRPCWL	0.2880	2217.5	50.00	Sequence
DRB4_0101	56	GLGDIGEVEFGVDDPR	LDIGEVEFG	0.2871	2238.3	50.00	Sequence
DRB4_0101	1	NQLPRVGLGTDVHPI	RVGLGTDVH	0.2862	2260.2	50.00	Sequence
DRB4_0101	6	VGLGTDVHPIEPGRP	VHPIEPGRP	0.2843	2305.9	50.00	Sequence
DRB4_0101	3	LPRVGLGTDVHPIEP	PRVGLGTDV	0.2838	2319.3	50.00	Sequence
DRB4_0101	57	LDIGEVEFGVDDPRW	LDIGEVEFG	0.2835	2328.0	50.00	Sequence
DRB4_0101	61	GEVFGVDDPRWQGV	EVFGVDDPR	0.2805	2405.0	50.00	Sequence
DRB4_0101	13	HPIEPGRPCWLVLGLL	EPGRPCWL	0.2796	2427.9	50.00	Sequence
DRB4_0101	2	QLPRVGLGTDVHPIE	RVGLGTDVH	0.2794	2431.8	50.00	Sequence
DRB4_0101	5	RVGLGTDVHPIEPGR	RVGLGTDVH	0.2775	2483.9	50.00	Sequence
DRB4_0101	139	LTGRGEGLAAIATAL	GLAAIATAL	0.2728	2613.0	50.00	Sequence

DRB4_0101	60	IGEFGVDDPRWQGV	EVFGVDDPR	0.2704	2680.3	50.00	Sequence
DRB4_0101	9	GTDVHPIEPGRPCWL	VHPIEPGRP	0.2683	2742.0	50.00	Sequence
DRB4_0101	37	HSDGDVAVHALCDAV	GDVAVHALC	0.2671	2778.0	50.00	Sequence
DRB4_0101	55	AGLGDIGEFGVDDP	LGDIGEVFG	0.2644	2862.3	50.00	Sequence
DRB4_0101	8	LGTDVHPIEPGRPCW	VHPIEPGRP	0.2637	2883.4	50.00	Sequence
DRB4_0101	7	GLGTDVHPIEPGRPC	VHPIEPGRP	0.2612	2960.7	50.00	Sequence
DRB4_0101	58	GDIGEFGVDDPRWQ	GEVFGVDDP	0.2564	3120.6	50.00	Sequence
DRB4_0101	59	DIGEFGVDDPRWQG	EVFGVDDPR	0.2559	3136.6	50.00	Sequence
DRB4_0101	120	SRLLNAPVSVSATTT	SRLLNAPVS	0.2558	3139.5	50.00	Sequence
DRB4_0101	24	VGLLFPSADGCAGHS	GLLFPSADG	0.2525	3255.9	50.00	Sequence
DRB4_0101	48	CAVLSAAGLGDIGE	DAVLSAAGL	0.2270	4288.8	50.00	Sequence
DRB4_0101	64	FGVDDPRWQGVSGAD	PRWQGVSGA	0.2259	4340.6	50.00	Sequence
DRB4_0101	121	RLLNAPVSVSATTTD	RLLNAPVSV	0.2206	4597.4	50.00	Sequence
DRB4_0101	36	GHSDGDVAVHALCDA	VAVHALCDA	0.2189	4681.4	50.00	Sequence
DRB4_0101	123	LNAPVSVSATTTDGL	APVSVSATT	0.2184	4706.3	50.00	Sequence
DRB4_0101	125	APVSVSATTTDGLGL	APVSVSATT	0.2179	4733.9	50.00	Sequence
DRB4_0101	124	NAPVSVSATTTDGLG	APVSVSATT	0.2163	4814.5	50.00	Sequence
DRB4_0101	63	VFGVDDPRWQGVSGA	PRWQGVSGA	0.2158	4839.9	50.00	Sequence
DRB4_0101	47	LCDAVLSAAGLGDIG	DAVLSAAGL	0.2145	4908.1	50.00	Sequence
DRB4_0101	25	GLLFPSADGCAGHSD	GLLFPSADG	0.2114	5076.5	50.00	Sequence
DRB4_0101	62	EVFGVDDPRWQGVSG	EVFGVDDPR	0.2043	5484.9	50.00	Sequence
DRB4_0101	46	ALCDAVLSAAGLGD	DAVLSAAGL	0.2016	5647.7	50.00	Sequence
DRB4_0101	122	LLNAPVSVSATTTDG	APVSVSATT	0.1987	5823.9	50.00	Sequence
DRB4_0101	54	AAGLGDIGEFGVDD	LGDIGEVFG	0.1982	5857.6	50.00	Sequence
DRB4_0101	45	HALCDAVLSAAGLGD	DAVLSAAGL	0.1977	5887.5	50.00	Sequence
DRB4_0101	53	SAAGLGDIGEFGVD	LGDIGEVFG	0.1936	6154.8	50.00	Sequence
DRB4_0101	138	GLTGRGEGLAIIATA	EGLAAIATA	0.1871	6605.1	50.00	Sequence
DRB4_0101	52	LSAAGLGDIGEFGV	LGDIGEVFG	0.1825	6938.9	50.00	Sequence
DRB4_0101	49	DAVLSAAGLGDIGE	DAVLSAAGL	0.1711	7848.1	50.00	Sequence
DRB4_0101	137	LGLTGRGEGLAIIAT	LGLTGRGEG	0.1628	8593.3	50.00	Sequence
DRB4_0101	136	GLGLTGRGEGLAIIA	LGLTGRGEG	0.1584	9004.6	50.00	Sequence
DRB4_0101	135	DGLGLTGRGEGLAII	LGLTGRGEG	0.1565	9197.8	50.00	Sequence
DRB4_0101	35	AGHSDGDVAVHALCD	GDVAVHALC	0.1522	9629.9	50.00	Sequence
DRB4_0101	126	PVSVSATTTDGLG	VSATTTDGL	0.1522	9632.0	50.00	Sequence
DRB4_0101	34	CAGHSDGDVAVHALC	GDVAVHALC	0.1502	9847.6	50.00	Sequence
DRB4_0101	51	VLSAAGLGDIGEFG	LGDIGEVFG	0.1477	10109.3	50.00	Sequence
DRB4_0101	133	TTDGLGLTGRGEGLA	LGLTGRGEG	0.1356	11526.5	50.00	Sequence
DRB4_0101	134	TDGLGLTGRGEGLA	LGLTGRGEG	0.1297	12287.3	50.00	Sequence
DRB4_0101	128	SVSATTTDGLGLTGR	VSATTTDGL	0.1289	12397.8	50.00	Sequence
DRB4_0101	127	VSVSATTTDGLGLTG	VSATTTDGL	0.1236	13126.9	50.00	Sequence
DRB4_0101	50	AVLSAAGLGDIGEV	LSAAGLGD	0.1193	13752.4	50.00	Sequence
DRB4_0101	132	TTTDGLGLTGRGEG	LGLTGRGEG	0.1188	13832.2	50.00	Sequence
DRB4_0101	26	LLFPSADGCAGHSDG	LLFPSADGC	0.1155	14322.3	50.00	Sequence
DRB4_0101	131	ATTTDGLGLTGRGEG	LGLTGRGEG	0.1117	14934.6	50.00	Sequence
DRB4_0101	129	VSATTTDGLGLTGRG	VSATTTDGL	0.1110	15038.9	50.00	Sequence
DRB4_0101	33	GCAGHSDGDVAVHAL	CAGHSDGDV	0.1065	15787.7	50.00	Sequence
DRB4_0101	30	SADGCAGHSDGDVAV	SADGCAGHS	0.1004	16870.3	50.00	Sequence
DRB4_0101	32	DGCAGHSDGDVAVHA	HSDGDVAVH	0.0974	17429.9	50.00	Sequence
DRB4_0101	31	ADGCAGHSDGDVAVH	CAGHSDGDV	0.0956	17768.5	50.00	Sequence
DRB4_0101	29	PSADGCAGHSDGDVA	CAGHSDGDV	0.0945	17979.1	50.00	Sequence
DRB4_0101	130	SATTTDGLGLTGRGE	DGLGLTGRG	0.0875	19402.7	50.00	Sequence
DRB4_0101	28	FPSADGCAGHSDGDV	CAGHSDGDV	0.0868	19537.7	50.00	Sequence
DRB4_0101	27	LFPSADGCAGHSDGD	SADGCAGHS	0.0599	26144.7	50.00	Sequence

Allele: DRB4_0101. Number of high binders 7. Number of weak binders 25. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
DRB5_0101	81	RHVVLITQHGYRVG	VLITQHGYR	0.6658	37.2	SB	8.00 Sequence
DRB5_0101	82	HVVVLITQHGYRVGN	VLITQHGYR	0.6587	40.1	SB	8.00 Sequence
DRB5_0101	80	LRHVVLITQHGYRV	VLITQHGYR	0.6550	41.8	SB	8.00 Sequence
DRB5_0101	109	GWRRLAQAVLSRLL	WRRLEAQAV	0.6512	43.5	SB	8.00 Sequence
DRB5_0101	108	IGWRRLAQAVLSRL	WRRLEAQAV	0.6474	45.4	SB	8.00 Sequence
DRB5_0101	110	WRRLEAQAVLSRLLN	WRRLEAQAV	0.6441	47.1	SB	8.00 Sequence
DRB5_0101	83	VVVLITQHGYRVGNA	VLITQHGYR	0.6438	47.2	SB	8.00 Sequence
DRB5_0101	107	KIGWRRLAQAVLSR	WRRLEAQAV	0.6369	50.8	WB	8.00 Sequence
DRB5_0101	84	VVLITQHGYRVGNAV	VLITQHGYR	0.6253	57.6	WB	8.00 Sequence
DRB5_0101	97	AVVQVIGNRPKIGWR	VVQVIGNRP	0.6132	65.7	WB	8.00 Sequence
DRB5_0101	96	NAVQVIGNRPKIGW	VVQVIGNRP	0.6070	70.2	WB	8.00 Sequence
DRB5_0101	95	GNAVQVIGNRPKIG	VVQVIGNRP	0.6018	74.4	WB	16.00 Sequence
DRB5_0101	79	MLRHVVVLITQHGYR	VLITQHGYR	0.5929	81.8	WB	16.00 Sequence
DRB5_0101	85	VLITQHGYRVGNNAV	VLITQHGYR	0.5883	86.0	WB	16.00 Sequence
DRB5_0101	94	VGNNAVQVIGNRPKI	VVQVIGNRP	0.5763	98.0	WB	16.00 Sequence
DRB5_0101	106	PKIGWRRLAQAVLS	WRRLEAQAV	0.5760	98.3	WB	16.00 Sequence
DRB5_0101	98	VVQVIGNRPKIGWRR	VVQVIGNRP	0.5673	108.0	WB	16.00 Sequence
DRB5_0101	111	RRLEAQAVLSRLLNA	LEAQAVLSR	0.5652	110.4	WB	16.00 Sequence
DRB5_0101	93	RVGNNAVQVIGNRPK	VVQVIGNRP	0.5566	121.3	WB	16.00 Sequence
DRB5_0101	118	VLSRLLNAPVSVSAT	RLLNAPVSV	0.5411	143.4	WB	16.00 Sequence
DRB5_0101	117	AVLSRLLNAPVSVSA	LSRLLNAPV	0.5379	148.4	WB	16.00 Sequence
DRB5_0101	116	QAVLSRLLNAPVSVS	LSRLLNAPV	0.5337	155.2	WB	16.00 Sequence
DRB5_0101	115	AQAVLSRLLNAPVSV	LSRLLNAPV	0.5318	158.6	WB	16.00 Sequence
DRB5_0101	92	YRVGNNAVQVIGNRP	VVQVIGNRP	0.5254	169.9	WB	16.00 Sequence
DRB5_0101	112	RLEAQAVLSRLLNAP	LEAQAVLSR	0.5006	222.2	WB	32.00 Sequence
DRB5_0101	99	VQVIGNRPKIGWRR	VQVIGNRPK	0.4982	227.9	WB	32.00 Sequence
DRB5_0101	105	RPKIGWRRLAQAVL	WRRLEAQAV	0.4840	266.0	WB	32.00 Sequence
DRB5_0101	119	LSRLLNAPVSVSATT	RLLNAPVSV	0.4831	268.3	WB	32.00 Sequence
DRB5_0101	86	LITQHGYRVGNNAVQ	LITQHGYRV	0.4758	290.4	WB	32.00 Sequence
DRB5_0101	73	GVSGADMLRHVVVLI	VSGADMLRH	0.4733	298.7	WB	32.00 Sequence
DRB5_0101	70	RWQGVSGADMLRHVV	GVSGADMLR	0.4711	305.8	WB	32.00 Sequence
DRB5_0101	71	WQGVSGADMLRHVVV	GVSGADMLR	0.4704	308.0	WB	32.00 Sequence
DRB5_0101	91	GYRVGNNAVQVIGNR	YRVGNNAVQ	0.4693	311.8	WB	32.00 Sequence
DRB5_0101	72	QGVSGADMLRHVVVL	GVSGADMLR	0.4680	316.0	WB	32.00 Sequence
DRB5_0101	113	LEAQAVLSRLLNAPV	LSRLLNAPV	0.4615	339.3	WB	32.00 Sequence
DRB5_0101	114	EAQAVLSRLLNAPVS	LSRLLNAPV	0.4605	342.9	WB	32.00 Sequence
DRB5_0101	69	PRWQGVSGADMLRHV	GVSGADMLR	0.4544	366.4	WB	32.00 Sequence
DRB5_0101	68	DPRWQGVSGADMLRH	GVSGADMLR	0.4415	421.2	WB	32.00 Sequence
DRB5_0101	78	DMLRHVVVLITQHGY	RHVVLITQ	0.4386	434.7	WB	32.00 Sequence
DRB5_0101	104	NRPKIGWRRLAQAV	WRRLEAQAV	0.4321	466.0	WB	32.00 Sequence
DRB5_0101	89	QHGYRVGNNAVQVIG	YRVGNNAVQ	0.4203	529.7	32.00	Sequence
DRB5_0101	88	TQHGYRVGNNAVQVI	YRVGNNAVQ	0.4203	529.7	32.00	Sequence
DRB5_0101	74	VSGADMLRHVVVLIT	VSGADMLRH	0.4180	543.1	32.00	Sequence
DRB5_0101	87	ITQHGYRVGNNAVQV	GYRVGNNAV	0.4052	623.4	50.00	Sequence
DRB5_0101	90	HGYRVGNNAVQVIGN	YRVGNNAVQ	0.4031	638.2	50.00	Sequence
DRB5_0101	77	ADMLRHVVVLITQHG	RHVVLITQ	0.3998	661.1	50.00	Sequence
DRB5_0101	120	SRLLNAPVSVSATTT	RLLNAPVSV	0.3985	670.4	50.00	Sequence
DRB5_0101	100	QVIGNRPKIGWRRLE	VIGNRPKIG	0.3906	730.6	50.00	Sequence
DRB5_0101	76	GADMLRHVVVLITQH	LRHVVLIT	0.3783	834.0	50.00	Sequence
DRB5_0101	75	SGADMLRHVVVLITQ	LRHVVLIT	0.3579	1040.9	50.00	Sequence
DRB5_0101	45	HALCDAVLSAAGLGD	VLSAAGLGD	0.3520	1108.8	50.00	Sequence
DRB5_0101	101	VIGNRPKIGWRRLEA	VIGNRPKIG	0.3511	1120.0	50.00	Sequence
DRB5_0101	41	DVAVHALCDAVLSAA	AVHALCDAV	0.3365	1311.3	50.00	Sequence
DRB5_0101	46	ALCDAVLSAAGLGD	VLSAAGLGD	0.3288	1425.4	50.00	Sequence
DRB5_0101	67	DDPRWQGVSGADMLR	WQGVSGADM	0.3285	1430.2	50.00	Sequence
DRB5_0101	43	AVHALCDAVLSAAGL	AVHALCDAV	0.3276	1443.4	50.00	Sequence
DRB5_0101	121	RLLNAPVSVSATTDD	RLLNAPVSV	0.3241	1499.2	50.00	Sequence

DRB5_0101	40	GDVAVHALCDAVLSA	AVHALCDAV	0.3235	1509.1	50.00	Sequence
DRB5_0101	42	VAVHALCDAVLSAAG	HALCDAVLS	0.3227	1522.0	50.00	Sequence
DRB5_0101	44	VHALCDAVLSAAGLG	HALCDAVLS	0.3181	1600.8	50.00	Sequence
DRB5_0101	47	LCDAVLSAAGLDIG	VLSAAGLD	0.3167	1624.1	50.00	Sequence
DRB5_0101	39	DGDVAVHALCDAVLS	AVHALCDAV	0.2950	2054.5	50.00	Sequence
DRB5_0101	19	RPCWLVLGLLFPSADG	WLVGLLFPS	0.2928	2105.4	50.00	Sequence
DRB5_0101	102	IGNRPKIGWRRLEAQ	NRPKIGWRR	0.2907	2153.2	50.00	Sequence
DRB5_0101	48	CDAVLSAAGLDIGE	AVLSAAGLG	0.2878	2220.2	50.00	Sequence
DRB5_0101	9	GTDVHPIEPGRPCWL	VHPIEPGRP	0.2865	2251.9	50.00	Sequence
DRB5_0101	103	GNRPKIGWRRLEAQA	NRPKIGWRR	0.2753	2544.1	50.00	Sequence
DRB5_0101	10	TDVHPIEPGRPCWL	VHPIEPGRP	0.2740	2579.2	50.00	Sequence
DRB5_0101	20	PCWLVLGLLFPSADGC	WLVGLLFPS	0.2735	2594.3	50.00	Sequence
DRB5_0101	49	DAVLSAAGLDIGE	AVLSAAGLG	0.2687	2730.0	50.00	Sequence
DRB5_0101	11	DVHPIEPGRPCWL	VHPIEPGRP	0.2619	2941.0	50.00	Sequence
DRB5_0101	8	LGTDVHPIEPGRPCW	VHPIEPGRP	0.2601	2997.8	50.00	Sequence
DRB5_0101	66	VDDPRWQGVSGADML	WQGVSGADM	0.2575	3084.2	50.00	Sequence
DRB5_0101	21	CWLVLGLLFPSADGCA	WLVGLLFPS	0.2542	3193.6	50.00	Sequence
DRB5_0101	144	EGLAAIATALVVS	GLAAIATAL	0.2513	3297.4	50.00	Sequence
DRB5_0101	18	GRPCWLVLGLLFPSAD	WLVGLLFPS	0.2512	3300.7	50.00	Sequence
DRB5_0101	22	WLVGLLFPSADGCAG	WLVGLLFPS	0.2505	3324.4	50.00	Sequence
DRB5_0101	141	GRGEGLAAIATALV	GLAAIATAL	0.2412	3678.0	50.00	Sequence
DRB5_0101	17	PGRPCWLVLGLLFPSA	WLVGLLFPS	0.2375	3827.8	50.00	Sequence
DRB5_0101	7	GLGTDVHPIEPGRPC	VHPIEPGRP	0.2354	3915.0	50.00	Sequence
DRB5_0101	50	AVLSAAGLDIGE	AVLSAAGLG	0.2344	3960.0	50.00	Sequence
DRB5_0101	143	GEGLAAIATALVVS	GLAAIATAL	0.2327	4031.9	50.00	Sequence
DRB5_0101	142	RGEGLAAIATALVVS	GLAAIATAL	0.2309	4112.8	50.00	Sequence
DRB5_0101	12	VHPIEPGRPCWL	VHPIEPGRP	0.2294	4177.9	50.00	Sequence
DRB5_0101	16	EPGRPCWLVLGLLFPS	WLVGLLFPS	0.2272	4278.2	50.00	Sequence
DRB5_0101	6	VGLGTDVHPIEPGRP	VHPIEPGRP	0.2258	4342.4	50.00	Sequence
DRB5_0101	65	GVDDPRWQGVSGADM	WQGVSGADM	0.2251	4378.1	50.00	Sequence
DRB5_0101	23	LVGLLFPSADGCAGH	GLLFPSADG	0.2244	4412.5	50.00	Sequence
DRB5_0101	24	VGLLFPSADGCAGHS	GLLFPSADG	0.2226	4499.2	50.00	Sequence
DRB5_0101	63	VFGVDDPRWQGVSGA	VFGVDDPRW	0.2158	4841.4	50.00	Sequence
DRB5_0101	62	EVFGVDDPRWQGVSG	VFGVDDPRW	0.2104	5130.5	50.00	Sequence
DRB5_0101	61	GEVFGVDDPRWQGV	VFGVDDPRW	0.2007	5702.9	50.00	Sequence
DRB5_0101	140	TGRGEGLAAIATALV	GLAAIATAL	0.1976	5894.8	50.00	Sequence
DRB5_0101	60	IGEVFGVDDPRWQGV	VFGVDDPRW	0.1966	5957.3	50.00	Sequence
DRB5_0101	38	SDGDVAVHALCDAVL	AVHALCDAV	0.1961	5994.1	50.00	Sequence
DRB5_0101	15	IEPGRPCWLVLGLLFP	PCWLVLGLLF	0.1911	6324.4	50.00	Sequence
DRB5_0101	25	GLLFPSADGCAGHSD	GLLFPSADG	0.1904	6373.9	50.00	Sequence
DRB5_0101	59	DIGE	VFGVDDPRW	0.1803	7104.8	50.00	Sequence
DRB5_0101	139	LTGRGEGLAAIATAL	GRGEGLAAI	0.1743	7586.5	50.00	Sequence
DRB5_0101	14	PIEPGRPCWLVLGLLF	PCWLVLGLLF	0.1741	7603.5	50.00	Sequence
DRB5_0101	58	GDIGE	VFGVDDPRW	0.1728	7712.1	50.00	Sequence
DRB5_0101	3	LPRVGLGTDVHPIEP	RVGLGTDVH	0.1674	8171.9	50.00	Sequence
DRB5_0101	135	DGLGLTGRGEGLAAI	GLGLTGRGE	0.1617	8690.6	50.00	Sequence
DRB5_0101	2	QLPRVGLGTDVHPIE	RVGLGTDVH	0.1615	8711.5	50.00	Sequence
DRB5_0101	64	FGVDDPRWQGVSGAD	FGVDDPRWQ	0.1579	9061.7	50.00	Sequence
DRB5_0101	51	VLSAAGLDIGE	VLSAAGLD	0.1543	9413.4	50.00	Sequence
DRB5_0101	122	LLNAPVSVSATT	LNAPVSVSA	0.1526	9592.4	50.00	Sequence
DRB5_0101	1	NQLPRVGLGTDVHPI	RVGLGTDVH	0.1518	9679.3	50.00	Sequence
DRB5_0101	134	TDGLGLTGRGEGLA	DGLGLTGRG	0.1504	9827.6	50.00	Sequence
DRB5_0101	37	HSDGDVAVHALCDAV	AVHALCDAV	0.1489	9988.2	50.00	Sequence
DRB5_0101	133	TTDGLGLTGRGEGLA	DGLGLTGRG	0.1486	10011.9	50.00	Sequence
DRB5_0101	136	GLGLTGRGEGLAIA	GRGEGLAIA	0.1465	10250.5	50.00	Sequence
DRB5_0101	5	RVGLGTDVHPIEPGR	DVHPIEPGR	0.1448	10436.9	50.00	Sequence
DRB5_0101	123	LNAPVSVSATT	PVSVSATT	0.1423	10717.3	50.00	Sequence
DRB5_0101	137	LGLTGRGEGLAIAIAT	GRGEGLAIAI	0.1423	10719.9	50.00	Sequence
DRB5_0101	138	GLTGRGEGLAIAIATA	GRGEGLAIAI	0.1408	10896.8	50.00	Sequence

DRB5_0101	0	VNQLPRVGLGTDVHP	VNQLPRVGL	0.1364	11427.6	50.00	Sequence
DRB5_0101	57	LGDIGEVFGVDDPRW	VFGVDDPRW	0.1359	11486.0	50.00	Sequence
DRB5_0101	132	TTTDGLGLTGRGEG	DGLGLTGRG	0.1347	11635.8	50.00	Sequence
DRB5_0101	125	APVSVSATTDDGLGL	PVSVSATTT	0.1329	11864.4	50.00	Sequence
DRB5_0101	4	PRVGLGTDVHPIEPG	RVGLGTDVH	0.1317	12025.1	50.00	Sequence
DRB5_0101	13	HPIEPGRPCWLVLG	IEPGRPCWL	0.1305	12182.6	50.00	Sequence
DRB5_0101	124	NAPVSVSATTDDGLG	PVSVSATTT	0.1263	12753.8	50.00	Sequence
DRB5_0101	126	PVSVSATTDDGLGLT	PVSVSATTT	0.1211	13480.4	50.00	Sequence
DRB5_0101	127	VSVSATTDDGLGLTG	VSVSATTDD	0.1132	14697.7	50.00	Sequence
DRB5_0101	131	ATTTDGLGLTGRGEG	DGLGLTGRG	0.1124	14816.3	50.00	Sequence
DRB5_0101	130	SATTTDGLGLTGRGE	DGLGLTGRG	0.1122	14848.4	50.00	Sequence
DRB5_0101	26	LLFPSADGCAGHSDG	LLFPSADGC	0.1096	15278.8	50.00	Sequence
DRB5_0101	129	VSATTTDGLGLTGRG	DGLGLTGRG	0.1039	16237.8	50.00	Sequence
DRB5_0101	27	LFPSADGCAGHSDGD	FPSADGCAG	0.0914	18594.9	50.00	Sequence
DRB5_0101	56	GLGDIGEVFGVDDPR	IGEVFGVDD	0.0904	18809.8	50.00	Sequence
DRB5_0101	128	SVSATTTDGLGLTGR	ATTTDGLGL	0.0892	19038.3	50.00	Sequence
DRB5_0101	52	LSAAGLDIGEVFGV	GLGDIGEVF	0.0824	20507.9	50.00	Sequence
DRB5_0101	53	SAAGLDIGEVFGVD	GLGDIGEVF	0.0750	22216.7	50.00	Sequence
DRB5_0101	55	AGLDIGEVFGVDDP	GLGDIGEVF	0.0749	22227.5	50.00	Sequence
DRB5_0101	54	AAGLDIGEVFGVDD	GLGDIGEVF	0.0745	22333.1	50.00	Sequence
DRB5_0101	36	GHSDDGDAVHALCDA	DVAVHALCD	0.0706	23298.2	50.00	Sequence
DRB5_0101	28	FPSADGCAGHSDGDV	FPSADGCAG	0.0654	24629.7	50.00	Sequence
DRB5_0101	35	AGHSDGDVAVHALCD	DVAVHALCD	0.0622	25501.9	50.00	Sequence
DRB5_0101	34	CAGHSDGDVAVHALC	GDVAVHALC	0.0456	30527.9	50.00	Sequence
DRB5_0101	32	DGCAGHSDGDVAVHA	GHSDDGDAV	0.0406	32231.9	50.00	Sequence
DRB5_0101	30	SADGCAGHSDGDVAV	SADGCAGHS	0.0396	32562.8	50.00	Sequence
DRB5_0101	29	PSADGCAGHSDGDVA	SADGCAGHS	0.0396	32568.8	50.00	Sequence
DRB5_0101	33	GCAGHSDGDVAVHAL	GCAGHSDGD	0.0350	34233.7	50.00	Sequence
DRB5_0101	31	ADGCAGHSDGDVAVH	ADGCAGHSD	0.0331	34946.3	50.00	Sequence

Allele: DRB5_0101. Number of high binders 7. Number of weak binders 33. Number of peptides 145

Allele	pos	peptide	core	1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
IAb	119	LSRLLNAPVSVSATT	RLLNAPVSV	0.6148	64.5	WB	2.00	Sequence
IAb	120	SRLNAPVSVSATTT	RLLNAPVSV	0.6148	64.6	WB	2.00	Sequence
IAb	118	VLSRLLNAPVSVSAT	RLLNAPVSV	0.6066	70.6	WB	2.00	Sequence
IAb	117	AVLSRLLNAPVSVSA	RLLNAPVSV	0.5734	101.0	WB	4.00	Sequence
IAb	121	RLLNAPVSVSATTTD	RLLNAPVSV	0.5340	154.7	WB	4.00	Sequence
IAb	116	QAVLSRLLNAPVSVS	RLLNAPVSV	0.5092	202.4	WB	8.00	Sequence
IAb	89	QHGYRVGNNAVQVIG	YRVGNNAVQ	0.5054	211.0	WB	8.00	Sequence
IAb	90	HGYRVGNNAVQVIGN	YRVGNNAVQ	0.4928	241.6	WB	8.00	Sequence
IAb	88	TQHGYRVGNNAVQVI	YRVGNNAVQ	0.4882	254.1	WB	8.00	Sequence
IAb	23	LVGLLFPADGCAGH	VGLLFPAD	0.4737	297.2	WB	8.00	Sequence
IAb	22	WLVGLLFPADGCAG	VGLLFPAD	0.4686	313.9	WB	8.00	Sequence
IAb	24	VGLLFPADGCAGHS	VGLLFPAD	0.4580	352.2	WB	8.00	Sequence
IAb	87	ITQHGYRVGNNAVQV	HGYRVGNNAV	0.4556	361.7	WB	8.00	Sequence
IAb	21	CWLVLGLLFPADGCA	VGLLFPAD	0.4490	388.3	WB	8.00	Sequence
IAb	142	RGEGLAAIATALVVS	GLAAIATAL	0.4438	410.8	WB	8.00	Sequence
IAb	143	GEGLAAIATALVVS	GLAAIATAL	0.4425	416.5	WB	8.00	Sequence
IAb	115	AQAVLSRLLNAPVSV	RLLNAPVSV	0.4390	432.6	WB	8.00	Sequence
IAb	141	GRGEGLAAIATALV	GLAAIATAL	0.4335	459.4	WB	16.00	Sequence
IAb	144	EGLAAIATALVVS	GLAAIATAL	0.4321	466.0	WB	16.00	Sequence
IAb	140	TGRGEGLAAIATALV	GLAAIATAL	0.4167	550.5		16.00	Sequence
IAb	91	GYRVGNNAVQVIGNR	YRVGNNAVQ	0.4166	551.4		16.00	Sequence
IAb	86	LITQHGYRVGNNAVQ	HGYRVGNNAV	0.4155	557.9		16.00	Sequence

IAb 20	PCWLVLGLLFPSADGC	VGLLFPSAD	0.4127	574.8	16.00	Sequence
IAb 122	LLNAPVSVSATTTDG	NAPVSVSAT	0.4005	656.1	16.00	Sequence
IAb 123	LNAPVSVSATTTDGL	NAPVSVSAT	0.3907	729.3	16.00	Sequence
IAb 19	RPCWLVLGLLFPSADG	VGLLFPSAD	0.3814	806.5	16.00	Sequence
IAb 107	KIGWRRLEAQAVLSR	WRRLEAQAV	0.3756	859.1	16.00	Sequence
IAb 139	LTGRGEGLAAIATAL	GLAAIATAL	0.3712	901.3	16.00	Sequence
IAb 98	VVQVIGNRPKIGWRR	VQVIGNRPK	0.3711	902.1	16.00	Sequence
IAb 108	IGWRRLEAQAVLSRL	WRRLEAQAV	0.3704	908.6	16.00	Sequence
IAb 106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.3640	974.2	16.00	Sequence
IAb 92	YRVGNAVQVIGNRNP	YRVGNAVQ	0.3588	1030.3	16.00	Sequence
IAb 97	AVVQVIGNRPKIGWR	VQVIGNRPK	0.3528	1098.9	16.00	Sequence
IAb 124	NAPVSVSATTTDGLG	NAPVSVSAT	0.3522	1106.8	16.00	Sequence
IAb 99	VQVIGNRPKIGWRR	VQVIGNRPK	0.3487	1149.9	16.00	Sequence
IAb 105	RPKIGWRRLEAQAVL	WRRLEAQAV	0.3365	1311.7	32.00	Sequence
IAb 85	VLITQHGYRVGNAV	HGYRVGNAV	0.3357	1322.4	32.00	Sequence
IAb 18	GRPCWLVLGLLFPSAD	VGLLFPSAD	0.3333	1357.7	32.00	Sequence
IAb 96	NAVQVIGNRPKIGW	VQVIGNRPK	0.3309	1393.6	32.00	Sequence
IAb 125	APVSVSATTTDGLGL	PVSVSATTT	0.3181	1600.7	32.00	Sequence
IAb 104	NRPKIGWRRLEAQAV	WRRLEAQAV	0.3055	1834.2	32.00	Sequence
IAb 69	PRWQGVSGADMLRHV	PRWQGVSGA	0.2997	1952.5	32.00	Sequence
IAb 110	WRRLEAQAVLSRLLN	WRRLEAQAV	0.2975	1999.7	32.00	Sequence
IAb 109	GWRRLEAQAVLSRLL	WRRLEAQAV	0.2967	2018.0	32.00	Sequence
IAb 95	GNAVVQVIGNRPKIG	VQVIGNRPK	0.2950	2055.0	32.00	Sequence
IAb 68	DPRWQGVSGADMLRH	PRWQGVSGA	0.2949	2056.2	32.00	Sequence
IAb 12	VHPIEPGRPCWLVLG	VHPIEPGRP	0.2939	2080.4	32.00	Sequence
IAb 67	DDPRWQGVSGADMLR	PRWQGVSGA	0.2901	2165.6	32.00	Sequence
IAb 11	DVHPIEPGRPCWLVG	VHPIEPGRP	0.2900	2168.2	32.00	Sequence
IAb 10	TDVHPIEPGRPCWL	VHPIEPGRP	0.2892	2187.2	32.00	Sequence
IAb 126	PVSVSATTTDGLGLT	PVSVSATTT	0.2867	2247.5	32.00	Sequence
IAb 114	EAQAVLSRLLNAPVS	SRLNAPVS	0.2854	2279.9	32.00	Sequence
IAb 9	GTDVHPIEPGRPCWL	VHPIEPGRP	0.2823	2357.5	32.00	Sequence
IAb 66	VDDPRWQGVSGADML	PRWQGVSGA	0.2792	2439.1	32.00	Sequence
IAb 138	GLTGRGEGLAAIATA	GEGLAAIAT	0.2595	3017.4	32.00	Sequence
IAb 65	GVDDPRWQGVSGADM	PRWQGVSGA	0.2514	3295.1	32.00	Sequence
IAb 84	VVLITQHGYRVGNAV	HGYRVGNAV	0.2472	3445.9	32.00	Sequence
IAb 41	DVAVHALCDAVLSAA	DVAVHALCD	0.2467	3464.1	32.00	Sequence
IAb 8	LGTDVHPIEPGRPCW	VHPIEPGRP	0.2355	3913.7	50.00	Sequence
IAb 94	VGNVAVQVIGNRPKI	VQVIGNRPK	0.2352	3926.1	50.00	Sequence
IAb 49	DAVLSAAGLDIGE	AVLSAAGLG	0.2336	3991.5	50.00	Sequence
IAb 48	CDAVLSAAGLDIGE	AVLSAAGLG	0.2230	4480.0	50.00	Sequence
IAb 113	LEAQAVLSRLLNAPV	LEAQAVLSR	0.2217	4543.7	50.00	Sequence
IAb 112	RLEAQAVLSRLLNAP	RLEAQAVLS	0.2183	4711.9	50.00	Sequence
IAb 127	VSVSATTTDGLGLTG	VSVSATTTD	0.2147	4899.9	50.00	Sequence
IAb 47	LCAVLSAAGLDIG	AVLSAAGLG	0.2138	4946.4	50.00	Sequence
IAb 111	RRLEAQAVLSRLLNA	RLEAQAVLS	0.2113	5082.2	50.00	Sequence
IAb 7	GLGTDVHPIEPGRPC	VHPIEPGRP	0.2100	5156.5	50.00	Sequence
IAb 137	LGLTGRGEGLAAIAT	GEGLAAIAT	0.2073	5309.0	50.00	Sequence
IAb 93	RVGNVAVQVIGNRPK	VQVIGNRPK	0.2072	5312.9	50.00	Sequence
IAb 70	RWQGVSGADMLRHVV	QGVSGADML	0.2071	5321.5	50.00	Sequence
IAb 100	QVIGNRPKIGWRRLE	VIGNRPKIG	0.2044	5475.0	50.00	Sequence
IAb 25	GLLFPSADGCAGHSD	GLLFPSADG	0.2043	5481.3	50.00	Sequence
IAb 40	GDVAVHALCDAVLSA	DVAVHALCD	0.2034	5538.7	50.00	Sequence
IAb 64	FGVDDPRWQGVSGAD	PRWQGVSGA	0.1988	5816.8	50.00	Sequence
IAb 50	AVLSAAGLDIGE	AVLSAAGLG	0.1987	5823.5	50.00	Sequence
IAb 46	ALCDAVLSAAGLDI	AVLSAAGLG	0.1968	5945.9	50.00	Sequence
IAb 39	DGDVAVHALCDAVLS	DVAVHALCD	0.1890	6467.7	50.00	Sequence
IAb 6	VGLGTDVHPIEPGRP	VHPIEPGRP	0.1873	6587.5	50.00	Sequence
IAb 42	VAVHALCDAVLSAAG	HALCDAVLS	0.1865	6649.0	50.00	Sequence
IAb 43	AVHALCDAVLSAAGL	HALCDAVLS	0.1832	6887.7	50.00	Sequence

IAb 103	GNRPKIGWRRLEAQA IGWRRLEAQ	0.1820	6979.0	50.00	Sequence
IAb 71	WQGVSGADMLRHVVV QGVSGADML	0.1815	7012.9	50.00	Sequence
IAb 63	VFGVDDPRWQGVSGA PRWQGVSGA	0.1809	7063.6	50.00	Sequence
IAb 13	HPIEGRPCWLVLG LL IEPGRPCWL	0.1787	7235.6	50.00	Sequence
IAb 44	VHALCDAVLSAAGLG HALCDAVLS	0.1784	7252.7	50.00	Sequence
IAb 101	VIGNRPKIGWRRLEA VIGNRPKIG	0.1755	7489.1	50.00	Sequence
IAb 2	QLPRVGLGTDVHPIE RVGLGTDVH	0.1749	7535.1	50.00	Sequence
IAb 38	SDGDVAVHALCDAVL DVAVHALCD	0.1718	7793.0	50.00	Sequence
IAb 26	LLFPSADGCAGHSDG LFPSADGCA	0.1710	7861.9	50.00	Sequence
IAb 45	HALCDAVLSAAGLGD DAVLSAAGL	0.1691	8020.4	50.00	Sequence
IAb 3	LPRVGLGTDVHPIEP RVGLGTDVH	0.1689	8037.8	50.00	Sequence
IAb 1	NQLPRVGLGTDVHPI RVGLGTDVH	0.1636	8512.9	50.00	Sequence
IAb 136	GLGLTGRGEGLAIA GRGEGLAIA	0.1612	8735.6	50.00	Sequence
IAb 5	RVGLGTDVHPIEPGR RVGLGTDVH	0.1562	9225.0	50.00	Sequence
IAb 4	PRVGLGTDVHPIEPG RVGLGTDVH	0.1547	9380.3	50.00	Sequence
IAb 17	PGRPCWLVLG LLFPSA WLVLG LLFPS	0.1537	9483.1	50.00	Sequence
IAb 27	LFPSADGCAGHSDGD LFPSADGCA	0.1527	9586.4	50.00	Sequence
IAb 72	QGVSGADMLRHVVVL QGVSGADML	0.1493	9944.0	50.00	Sequence
IAb 0	VNQLPRVGLGTDVHP RVGLGTDVH	0.1491	9966.2	50.00	Sequence
IAb 102	IGNRPKIGWRRLEAQ IGWRRLEAQ	0.1489	9979.9	50.00	Sequence
IAb 37	HSDGDVAVHALCDAV DVAVHALCD	0.1368	11385.5	50.00	Sequence
IAb 51	VLSAAGLDIGE VFG VLSAAGLD	0.1344	11685.4	50.00	Sequence
IAb 15	IEPGRPCWLVLG LLFP IEPGRPCWL	0.1310	12119.9	50.00	Sequence
IAb 14	PIEGRPCWLVLG LLFP IEPGRPCWL	0.1304	12197.2	50.00	Sequence
IAb 16	EPGRPCWLVLG LLFPS WLVLG LLFPS	0.1244	13020.0	50.00	Sequence
IAb 135	DGLGLTGRGEGLAIA TGRGEGLAIA	0.1194	13743.6	50.00	Sequence
IAb 28	FPSADGCAGHSDGDV FPSADGCAG	0.1123	14830.3	50.00	Sequence
IAb 83	VVVLITQHGYRVGNA QHGYRVGNA	0.1096	15274.9	50.00	Sequence
IAb 61	GEVFGVDDPRWQGV S EVFGVDDPR	0.1093	15325.3	50.00	Sequence
IAb 78	DMLRHVVVLITQHGY LRHVVLIT	0.1008	16793.5	50.00	Sequence
IAb 77	ADMLRHVVVLITQH G LRHVVLIT	0.0990	17129.3	50.00	Sequence
IAb 73	GVSGADMLRHVVVL GVSGADMLR	0.0988	17171.0	50.00	Sequence
IAb 62	EVFGVDDPRWQGV S EVFGVDDPR	0.0970	17510.1	50.00	Sequence
IAb 79	MLRHVVVLITQHGYR LRHVVLIT	0.0969	17519.1	50.00	Sequence
IAb 60	IGEVFGVDDPRWQGV FGVDDPRWQ	0.0960	17691.7	50.00	Sequence
IAb 80	LRHVVLITQHGYRV LRHVVLIT	0.0925	18369.8	50.00	Sequence
IAb 134	TDGLGLTGRGEGLAIA TGRGEGLAIA	0.0921	18466.8	50.00	Sequence
IAb 76	GADMLRHVVVLITQH LRHVVLIT	0.0894	19009.5	50.00	Sequence
IAb 36	GHSDDVAVHALCDA DVAVHALCD	0.0888	19136.4	50.00	Sequence
IAb 59	DIGE VFGVDDPRWQGV FGVDDPRWQ	0.0869	19536.7	50.00	Sequence
IAb 74	VSGADMLRHVVVLIT LRHVVLIT	0.0842	20109.9	50.00	Sequence
IAb 75	SGADMLRHVVVLITQ LRHVVLIT	0.0834	20286.5	50.00	Sequence
IAb 81	RHVVLITQHGYRVG RHVVVLITQ	0.0803	20970.8	50.00	Sequence
IAb 35	AGHSDGDVAVHALCD DVAVHALCD	0.0795	21143.2	50.00	Sequence
IAb 52	LSAAGLDIGE VFGV LSAAGLDI	0.0787	21337.7	50.00	Sequence
IAb 128	SVSATTTDGLGLTGR SVSATTTDG	0.0732	22658.0	50.00	Sequence
IAb 58	GDIGE VFGVDDPRWQ FGVDDPRWQ	0.0716	23039.7	50.00	Sequence
IAb 82	HVVVLITQHGYRVGN HVVVLITQH	0.0708	23229.9	50.00	Sequence
IAb 133	TTDGLGLTGRGEGLA GLGLTGRGE	0.0608	25896.7	50.00	Sequence
IAb 34	CAGHSDGDVAVHALC AGHSDGDVA	0.0596	26234.3	50.00	Sequence
IAb 29	PSADGCAGHSDGDVA PSADGCAGH	0.0588	26457.2	50.00	Sequence
IAb 33	GCAGHSDGDVAVHAL AGHSDGDVA	0.0561	27261.5	50.00	Sequence
IAb 129	VSATTTDGLGLTGRG VSATTTDGL	0.0546	27690.5	50.00	Sequence
IAb 132	TTDGLGLTGRGEGLA GLGLTGRGE	0.0535	28018.4	50.00	Sequence
IAb 131	ATTTDGLGLTGRGEG ATTTDGLGL	0.0515	28645.3	50.00	Sequence
IAb 130	SATTTDGLGLTGRGE ATTTDGLGL	0.0497	29198.8	50.00	Sequence
IAb 54	AAGLDIGE VFGVDD AAGLDIGE	0.0490	29419.9	50.00	Sequence
IAb 32	DGCAGHSDGDVAVHA AGHSDGDVA	0.0478	29795.0	50.00	Sequence
IAb 57	LGDIGE VFGVDDPRW GEVFGVDDP	0.0478	29803.7	50.00	Sequence

IAb	30	SADGCAGHSDGDVAV	ADGCAGHSD	0.0471	30033.2	50.00	Sequence
IAb	53	SAAGLDIGEYVFGVD	AAGLDIGE	0.0466	30185.7	50.00	Sequence
IAb	31	ADGCAGHSDGDVAVH	AGHSDGDVA	0.0456	30541.5	50.00	Sequence
IAb	56	GLGDIGEYVFGVDDPR	EVFGVDDPR	0.0416	31889.5	50.00	Sequence
IAb	55	AGLDIGEYVFGVDDP	AGLDIGEYV	0.0396	32571.9	50.00	Sequence

Allele: IAb. Number of high binders 0. Number of weak binders 19. Number of peptides 145

Allele	pos	peptide	core	1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
IAd	109	GWRRLEAQAVLSRLL	LEAQAVLSR	0.6115	66.9	WB	0.05	Sequence
IAd	108	IGWRRLEAQAVLSRL	LEAQAVLSR	0.6052	71.6	WB	0.10	Sequence
IAd	110	WRRLEAQAVLSRLLN	LEAQAVLSR	0.5966	78.6	WB	0.10	Sequence
IAd	111	RRLEAQAVLSRLLNA	LEAQAVLSR	0.5466	135.0	WB	0.20	Sequence
IAd	112	RLEAQAVLSRLLNAP	LEAQAVLSR	0.5304	160.9	WB	0.30	Sequence
IAd	113	LEAQAVLSRLLNAPV	LEAQAVLSR	0.5135	193.2	WB	0.40	Sequence
IAd	107	KIGWRRLEAQAVLSR	LEAQAVLSR	0.4558	360.6	WB	1.00	Sequence
IAd	75	SGADMLRHVVVLITQ	LRHVVLIT	0.4144	564.4		2.00	Sequence
IAd	76	GADMLRHVVVLITQH	LRHVVLIT	0.4119	580.2		2.00	Sequence
IAd	77	ADMLRHVVVLITQHG	LRHVVLIT	0.4035	634.9		2.00	Sequence
IAd	78	DMLRHVVVLITQHGY	LRHVVLIT	0.3869	760.0		4.00	Sequence
IAd	143	GEGLAAIATALVVSL	IATALVVSL	0.3678	935.0		4.00	Sequence
IAd	41	DVAVHALCDAVLSAA	VHALCDAVL	0.3644	970.1		4.00	Sequence
IAd	114	EAQAVLSRLLNAPVS	EAQAVLSRL	0.3624	991.1		4.00	Sequence
IAd	42	VAVHALCDAVLSAAG	VHALCDAVL	0.3577	1043.1		4.00	Sequence
IAd	144	EGLAAIATALVVSRL	IATALVVSRL	0.3511	1120.1		8.00	Sequence
IAd	79	MLRHVVVLITQHGYR	LRHVVLIT	0.3486	1150.5		8.00	Sequence
IAd	43	AVHALCDAVLSAAGL	VHALCDAVL	0.3286	1427.9		8.00	Sequence
IAd	80	LRHVVLITQHGYRV	RHVVLITQ	0.3270	1454.2		8.00	Sequence
IAd	74	VSGADMLRHVVVLIT	LRHVVLIT	0.3223	1529.6		8.00	Sequence
IAd	119	LSRLLNAPVSVSATT	NAPVSVSAT	0.3154	1647.5		8.00	Sequence
IAd	104	NRPKIGWRRLEAQAV	WRRLEAQAV	0.3116	1717.8		8.00	Sequence
IAd	106	PKIGWRRLEAQAVLS	WRRLEAQAV	0.3066	1812.9		8.00	Sequence
IAd	118	VLSRLLNAPVSVSAT	SRLNAPVS	0.2996	1954.9		16.00	Sequence
IAd	69	PRWQGVSGADMLRHV	PRWQGVSGA	0.2986	1975.9		16.00	Sequence
IAd	105	RPKIGWRRLEAQAVL	WRRLEAQAV	0.2918	2128.0		16.00	Sequence
IAd	142	RGEGLAAIATALVVS	EGLAAIATA	0.2899	2170.6		16.00	Sequence
IAd	40	GDVAVHALCDAVLSA	VAVHALCDA	0.2896	2177.5		16.00	Sequence
IAd	68	DPRWQGVSGADMLRH	VSGADMLRH	0.2880	2216.4		16.00	Sequence
IAd	141	GRGEGLAAIATALVV	EGLAAIATA	0.2763	2514.9		16.00	Sequence
IAd	120	SRLNAPVSVSATTT	LNAPVSVSA	0.2719	2638.9		16.00	Sequence
IAd	44	VHALCDAVLSAAGLG	LCDAVLSAA	0.2693	2712.5		16.00	Sequence
IAd	117	AVLSRLLNAPVSVSA	SRLNAPVS	0.2670	2780.4		16.00	Sequence
IAd	39	DGDVAVHALCDAVLS	HALCDAVLS	0.2615	2952.5		16.00	Sequence
IAd	140	TGRGEGLAAIATALV	EGLAAIATA	0.2537	3213.1		16.00	Sequence
IAd	46	ALCDAVLSAAGLDI	ALCDAVLSA	0.2443	3556.8		16.00	Sequence
IAd	121	RLNAPVSVSATTTD	NAPVSVSAT	0.2434	3591.6		32.00	Sequence
IAd	122	LLNAPVSVSATTTDG	NAPVSVSAT	0.2392	3756.6		32.00	Sequence
IAd	33	GCAGHSDGDVAVHAL	GHSDDGDVAV	0.2384	3792.8		32.00	Sequence
IAd	34	CAGHSDGDVAVHALC	DGDVAVHAL	0.2357	3905.2		32.00	Sequence
IAd	123	LNAPVSVSATTTDGL	LNAPVSVSA	0.2336	3992.1		32.00	Sequence
IAd	45	HALCDAVLSAAGLD	ALCDAVLSA	0.2334	4002.5		32.00	Sequence
IAd	38	SDGDVAVHALCDAVL	VHALCDAVL	0.2330	4019.8		32.00	Sequence
IAd	67	DDPRWQGVSGADMLR	PRWQGVSGA	0.2314	4090.3		32.00	Sequence
IAd	103	GNRPKIGWRRLEAQA	RPKIGWRRL	0.2311	4102.3		32.00	Sequence
IAd	99	VQVIGNRPKIGWRRL	RPKIGWRRL	0.2220	4526.1		32.00	Sequence

IAd 102	IGNRPKIGWRRLEAQ RPKIGWRR	0.2191	4673.7	32.00	Sequence
IAd 81	RHVVLITQHG YRVG RHVVVLITQ	0.2174	4758.0	32.00	Sequence
IAd 101	VIGNRPKIGWRRLEA RPKIGWRR	0.2161	4827.0	32.00	Sequence
IAd 100	QVIGNRPKIGWRRLE RPKIGWRR	0.2149	4890.1	32.00	Sequence
IAd 66	VDDPRWQGVSGADML PRWQGVSGA	0.2146	4902.4	32.00	Sequence
IAd 115	AQAVLSRLLNAPVSV S RLLNAPVS	0.2068	5333.7	32.00	Sequence
IAd 35	AGHSDGDVAVHALCD DGDVAVHAL	0.2067	5343.0	32.00	Sequence
IAd 47	LCDAVLSAAGLDIG LCDAVLSAA	0.2060	5384.8	32.00	Sequence
IAd 116	QAVLSRLLNAPVSVS S RLLNAPVS	0.2028	5571.2	32.00	Sequence
IAd 139	LTGRGEGLAAIATAL EGLAAIATA	0.2009	5689.6	32.00	Sequence
IAd 36	GHSDGDVAVHALCDA HSDGDVAVH	0.1999	5749.8	32.00	Sequence
IAd 37	HSDGDVAVHALCDAV SDGDVAVHA	0.1996	5770.2	32.00	Sequence
IAd 65	GVDDPRWQGVSGADM PRWQGVSGA	0.1965	5962.3	32.00	Sequence
IAd 32	DGCAGHSDGDVAVHA GHSDGDVAV	0.1950	6065.8	32.00	Sequence
IAd 138	GLTGRGEGLAAIATA EGLAAIATA	0.1863	6664.1	32.00	Sequence
IAd 49	DAVLSAAGLDIGEV VLSAAGLD	0.1734	7660.8	50.00	Sequence
IAd 89	QHGYRVGNNAVQVIG QHGYRVGNA	0.1703	7922.9	50.00	Sequence
IAd 70	RWQGVSGADMLRHVV WQGVSGADM	0.1693	8007.0	50.00	Sequence
IAd 88	TQHGYRVGNNAVQVI RVGNNAVQV	0.1610	8758.0	50.00	Sequence
IAd 73	GVSADMLRHVVVLI MLRHVVVLI	0.1605	8804.7	50.00	Sequence
IAd 71	WQGVSGADMLRHVVV VSGADMLRH	0.1562	9230.3	50.00	Sequence
IAd 17	PGRPCWLVLGLLFPSA WLVLGLLFPS	0.1545	9400.3	50.00	Sequence
IAd 19	RPCWLVLGLLFPSADG WLVLGLLFPS	0.1523	9622.6	50.00	Sequence
IAd 18	GRPCWLVLGLLFPSAD WLVLGLLFPS	0.1517	9690.2	50.00	Sequence
IAd 124	NAPVSVSATTTDGLG NAPVSVSAT	0.1493	9936.3	50.00	Sequence
IAd 31	ADGCAGHSDGDVAVH GHSDGDVAV	0.1484	10039.5	50.00	Sequence
IAd 48	CDAVLSAAGLDIGE VLSAAGLD	0.1436	10569.4	50.00	Sequence
IAd 50	AVLSAAGLDIGEVF VLSAAGLD	0.1397	11029.2	50.00	Sequence
IAd 52	LSAAGLDIGEVFGV LSAAGLDI	0.1381	11216.4	50.00	Sequence
IAd 64	FGVDDPRWQGVSGAD PRWQGVSGA	0.1379	11243.3	50.00	Sequence
IAd 51	VLSAAGLDIGEVFG LSAAGLDI	0.1362	11456.2	50.00	Sequence
IAd 93	RVGNNAVQVIGNRPK AVVQVIGNR	0.1319	11996.5	50.00	Sequence
IAd 98	VVQVIGNRPKIGWRR VQVIGNRPK	0.1278	12546.5	50.00	Sequence
IAd 87	ITQHGYRVGNNAVQV RVGNNAVQV	0.1276	12577.1	50.00	Sequence
IAd 63	VFGVDDPRWQGVSGA PRWQGVSGA	0.1266	12712.1	50.00	Sequence
IAd 72	QGVSGADMLRHVVVL VSGADMLRH	0.1257	12825.8	50.00	Sequence
IAd 97	AVVQVIGNRPKIGWR AVVQVIGNR	0.1257	12826.5	50.00	Sequence
IAd 86	LITQHGYRVGNNAVQ QHGYRVGNA	0.1204	13588.8	50.00	Sequence
IAd 30	SADGCAGHSDGDVAV GHSDGDVAV	0.1187	13846.0	50.00	Sequence
IAd 16	EPGRPCWLVLGLLFPS WLVLGLLFPS	0.1169	14114.5	50.00	Sequence
IAd 22	WLVLGLLFPSADGCAG WLVLGLLFPS	0.1149	14427.3	50.00	Sequence
IAd 137	LGLTGRGEGLAAIAT GEGLAAIAT	0.1136	14634.7	50.00	Sequence
IAd 94	VGNNAVQVIGNRPKI VGNNAVQVI	0.1130	14716.9	50.00	Sequence
IAd 92	YRVGNNAVQVIGNRP RVGNNAVQV	0.1088	15400.0	50.00	Sequence
IAd 83	VVLITQHG YRVGNA VVLITQHG	0.1084	15472.1	50.00	Sequence
IAd 20	PCWLVLGLLFPSADGC WLVLGLLFPS	0.1052	16016.5	50.00	Sequence
IAd 91	GYRVGNNAVQVIGNR RVGNNAVQV	0.1033	16349.0	50.00	Sequence
IAd 1	NQLPRVGLGTDVHPI VGLGTDVHP	0.1032	16366.9	50.00	Sequence
IAd 24	VGLLFPADGCAGHS FPSADGCAG	0.1021	16571.6	50.00	Sequence
IAd 0	VNQLPRVGLGTDVHP VNQLPRVGL	0.1019	16601.9	50.00	Sequence
IAd 53	SAAGLDIGEVFGVD AGLGDIGEV	0.0907	18744.4	50.00	Sequence
IAd 25	GLLFPADGCAGHSD FPSADGCAG	0.0904	18807.4	50.00	Sequence
IAd 96	NAVQVIGNRPKIGW AVVQVIGNR	0.0897	18936.0	50.00	Sequence
IAd 85	VLITQHGYRVGNNAV QHGYRVGNA	0.0897	18949.8	50.00	Sequence
IAd 95	GNAVQVIGNRPKIG AVVQVIGNR	0.0889	19115.3	50.00	Sequence
IAd 82	HVVVLITQHGYRVGN HVVVLITQH	0.0887	19151.6	50.00	Sequence
IAd 55	AGLDIGEVFGVDDP AGLGDIGEV	0.0885	19201.4	50.00	Sequence
IAd 84	VVLITQHGYRVGNV LITQHGYRV	0.0879	19322.0	50.00	Sequence
IAd 90	HGYRVGNNAVQVIGN RVGNNAVQV	0.0867	19572.6	50.00	Sequence

IAd	6	VGLGTDVHPIEPGRP VHPIEPGRP	0.0860	19719.1	50.00	Sequence
IAd	125	APVSVSATTDDGLGL PVSVSATTT	0.0857	19790.9	50.00	Sequence
IAd	21	CWLVLGLLFPSADGCA WLVLGLLFPS	0.0829	20395.5	50.00	Sequence
IAd	23	LVGLLFPADGCAGH LVGLLFPASA	0.0819	20619.8	50.00	Sequence
IAd	54	AAGLDIGEVEFGVDD AGLDIGEVEV	0.0819	20621.8	50.00	Sequence
IAd	15	IEPGRPCWLVLGLLFP RPCWLVLGLL	0.0788	21320.1	50.00	Sequence
IAd	26	LLFPSADGCAGHSDG FPSADGCAG	0.0755	22096.1	50.00	Sequence
IAd	7	GLGTDVHPIEPGRPC VHPIEPGRP	0.0740	22452.3	50.00	Sequence
IAd	4	PRVGLGTDVHPIEPG VGLGTDVHP	0.0733	22619.5	50.00	Sequence
IAd	2	QLPRVGLGTDVHPIE GLGTDVHPI	0.0731	22659.7	50.00	Sequence
IAd	3	LPRVGLGTDVHPIEP PRVGLGTDV	0.0719	22967.3	50.00	Sequence
IAd	5	RVGLGTDVHPIEPGR VGLGTDVHP	0.0718	22992.9	50.00	Sequence
IAd	14	PIEPGRPCWLVLGLL RPCWLVLGLL	0.0710	23195.8	50.00	Sequence
IAd	27	LFPSADGCAGHSDGD FPSADGCAG	0.0662	24422.5	50.00	Sequence
IAd	57	LGDIGEVEFGVDDPRW GDIGEVEFGV	0.0651	24709.3	50.00	Sequence
IAd	58	GDIGEVEFGVDDPRWQ GDIGEVEFGV	0.0628	25354.1	50.00	Sequence
IAd	136	GLGLTGRGEGLAAIA RGEGLAAIA	0.0603	26043.1	50.00	Sequence
IAd	28	FPSADGCAGHSDGDV FPSADGCAG	0.0601	26091.0	50.00	Sequence
IAd	13	HPIEPGRPCWLVLGLL RPCWLVLGLL	0.0583	26609.1	50.00	Sequence
IAd	8	LGTDVHPIEPGRPCW VHPIEPGRP	0.0567	27073.7	50.00	Sequence
IAd	56	GLGDIGEVEFGVDDPR GDIGEVEFGV	0.0562	27211.7	50.00	Sequence
IAd	9	GTDVHPIEPGRPCWL VHPIEPGRP	0.0546	27698.6	50.00	Sequence
IAd	10	TDVHPIEPGRPCWL VHPIEPGRP	0.0543	27784.5	50.00	Sequence
IAd	126	PVSVSATTDDGLGLT PVSVSATTT	0.0529	28220.4	50.00	Sequence
IAd	11	DVHPIEPGRPCWL VG VHPIEPGRP	0.0504	28977.3	50.00	Sequence
IAd	29	PSADGCAGHSDGDVA AGHSDGDVA	0.0474	29952.4	50.00	Sequence
IAd	59	DIGEVEFGVDDPRWQG IGEVEFGVDD	0.0408	32168.1	50.00	Sequence
IAd	60	IGEVFGVDDPRWQGV IGEVEFGVDD	0.0383	33046.9	50.00	Sequence
IAd	127	VSVSATTDDGLGLTG VSVSATTDD	0.0363	33769.1	50.00	Sequence
IAd	12	VHPIEPGRPCWLVLG GRPCWLVLG	0.0356	34011.1	50.00	Sequence
IAd	128	VSVSATTDDGLGLTGR VSATTDDGL	0.0350	34243.7	50.00	Sequence
IAd	129	VSATTDDGLGLTGRG VSATTDDGL	0.0340	34605.4	50.00	Sequence
IAd	61	GEVFGVDDPRWQGV VDDPRWQGV	0.0338	34698.0	50.00	Sequence
IAd	62	EVFGVDDPRWQGVSG VDDPRWQGV	0.0277	37034.5	50.00	Sequence
IAd	135	DGLGLTGRGEGLAAI GRGEGLAAI	0.0247	38257.6	50.00	Sequence
IAd	134	TDGLGLTGRGEGLAA TGRGEGLAA	0.0186	40893.0	50.00	Sequence
IAd	130	SATTDDGLGLTGRGE ATTTDGLGL	0.0160	42041.5	50.00	Sequence
IAd	131	ATTTDGLGLTGRGEG ATTTDGLGL	0.0135	43207.8	50.00	Sequence
IAd	133	TTDGLGLTGRGEGLA TTDGLGLTG	0.0098	44974.6	50.00	Sequence
IAd	132	TTDGLGLTGRGEGL DGLGLTGRG	0.0096	45068.6	50.00	Sequence

Allele: IAd. Number of high binders 0. Number of weak binders 7. Number of peptides 145

Allele	pos	peptide	core 1-log50k(aff)	affinity(nM)	Bind Level	%Random	Identity
IAs	66	VDDPRWQGVSGADML QGVSGADML	0.3052	1839.3	4.00	Sequence	
IAs	67	DDPRWQGVSGADMLR QGVSGADML	0.2850	2289.5	4.00	Sequence	
IAs	7	GLGTDVHPIEPGRPC GLGTDVHPI	0.2726	2617.3	4.00	Sequence	
IAs	68	DPRWQGVSGADMLRH QGVSGADML	0.2667	2791.0	4.00	Sequence	
IAs	71	WQGVSGADMLRHVVV QGVSGADML	0.2609	2973.0	8.00	Sequence	
IAs	70	RWQGVSGADMLRHVV QGVSGADML	0.2561	3131.2	8.00	Sequence	
IAs	69	PRWQGVSGADMLRHV QGVSGADML	0.2531	3234.6	8.00	Sequence	
IAs	115	AQAVLSRLLNAPVSV RLLNAPVSV	0.2477	3429.1	8.00	Sequence	
IAs	6	VGLGTDVHPIEPGRP GLGTDVHPI	0.2388	3776.1	8.00	Sequence	
IAs	116	QAVLSRLLNAPVSVS RLLNAPVSV	0.2363	3876.9	8.00	Sequence	
IAs	117	AVLSRLLNAPVSVSA RLLNAPVSV	0.2280	4241.6	8.00	Sequence	

IA	118	VLSRLLNAPVSVSAT RLLNAPVSV	0.2203	4611.3	8.00	Sequence
IA	72	QGVSGADMLRHVVVL QGVSGADML	0.2088	5224.4	16.00	Sequence
IA	95	GNAVQVIGNRPKIG VIGNRPKIG	0.1958	6007.8	16.00	Sequence
IA	58	GDIGEVFGVDDPRWQ FGVDDPRWQ	0.1955	6027.9	16.00	Sequence
IA	8	LGTDVHPIEPGRPCW VHPIEPGRP	0.1920	6266.1	16.00	Sequence
IA	96	NAVQVIGNRPKIGW VIGNRPKIG	0.1887	6488.1	16.00	Sequence
IA	9	GTDVHPIEPGRPCWL VHPIEPGRP	0.1876	6568.6	16.00	Sequence
IA	59	DIGEVFGVDDPRWQG FGVDDPRWQ	0.1819	6983.0	16.00	Sequence
IA	4	PRVGLGTDVHPIEPG GLGTDVHPI	0.1812	7035.7	16.00	Sequence
IA	5	RVGLGTDVHPIEPGR GLGTDVHPI	0.1760	7450.4	16.00	Sequence
IA	97	AVQVIGNRPKIGWR VIGNRPKIG	0.1748	7547.6	16.00	Sequence
IA	12	VHPIEPGRPCWLVLGL HPIEPGRPC	0.1716	7807.4	16.00	Sequence
IA	98	VVQVIGNRPKIGWRR VIGNRPKIG	0.1694	8000.9	16.00	Sequence
IA	60	IGEVFGVDDPRWQGV FGVDDPRWQ	0.1693	8006.7	16.00	Sequence
IA	61	GEVFGVDDPRWQGV FGVDDPRWQ	0.1633	8542.3	16.00	Sequence
IA	10	TDVHPIEPGRPCWL VHPIEPGRP	0.1632	8552.9	16.00	Sequence
IA	114	EAQAVLSRLLNAPVS SLLNAPVS	0.1588	8966.9	32.00	Sequence
IA	11	DVHPIEPGRPCWL VG VHPIEPGRP	0.1555	9295.4	32.00	Sequence
IA	120	SLLNAPVSVSATT RLLNAPVSV	0.1535	9497.7	32.00	Sequence
IA	119	LSRLLNAPVSVSATT RLLNAPVSV	0.1519	9666.2	32.00	Sequence
IA	1	NQLPRVGLGTDVHPI GLGTDVHPI	0.1458	10319.6	32.00	Sequence
IA	2	QLPRVGLGTDVHPIE GLGTDVHPI	0.1439	10542.4	32.00	Sequence
IA	94	VGNAVQVIGNRPKI QVIGNRPKI	0.1433	10601.7	32.00	Sequence
IA	105	RPKIGWRRLEAQAVL RRLEAQAVL	0.1420	10753.2	32.00	Sequence
IA	3	LPRVGLGTDVHPIE GLGTDVHPI	0.1416	10799.4	32.00	Sequence
IA	62	EVFGVDDPRWQGVSG FGVDDPRWQ	0.1401	10985.1	32.00	Sequence
IA	13	HPIEPGRPCWLVLGLL HPIEPGRPC	0.1354	11549.3	32.00	Sequence
IA	100	QVIGNRPKIGWRRLE VIGNRPKIG	0.1346	11656.9	32.00	Sequence
IA	99	VQVIGNRPKIGWRRL VIGNRPKIG	0.1337	11769.3	32.00	Sequence
IA	141	GRGELAIIATALVV AAIATALVV	0.1330	11863.5	32.00	Sequence
IA	47	LCDAVLSAAGLDIG AVLSAAGLG	0.1290	12387.0	32.00	Sequence
IA	106	PKIGWRRLEAQAVLS RRLEAQAVL	0.1287	12423.8	32.00	Sequence
IA	44	VHALCDAVLSAAGLG AVLSAAGLG	0.1279	12531.0	32.00	Sequence
IA	121	RLLNAPVSVSATTDD RLLNAPVSV	0.1263	12752.4	32.00	Sequence
IA	63	VFGVDDPRWQGVSGA FGVDDPRWQ	0.1224	13296.6	32.00	Sequence
IA	110	WRRLEAQAVLSRLLN RRLEAQAVL	0.1203	13605.9	32.00	Sequence
IA	107	KIGWRRLEAQAVLSR RRLEAQAVL	0.1169	14120.3	32.00	Sequence
IA	45	HALCDAVLSAAGLD AVLSAAGLG	0.1164	14185.5	32.00	Sequence
IA	79	MLRHVVVLITQHGYR VLITQHGYR	0.1141	14548.6	32.00	Sequence
IA	46	ALCDAVLSAAGLDI AVLSAAGLG	0.1124	14813.9	32.00	Sequence
IA	113	LEAQAVLSRLLNAPV VLSRLLNAP	0.1124	14818.6	32.00	Sequence
IA	80	LRHVVLITQHGYRV VLITQHGYR	0.1101	15187.3	50.00	Sequence
IA	111	RRLEAQAVLSRLLNA RRLEAQAVL	0.1088	15414.0	50.00	Sequence
IA	109	GWRRLEAQAVLSRLL RRLEAQAVL	0.1087	15427.7	50.00	Sequence
IA	65	GVDDPRWQGVSGADM RWQGVSGAD	0.1087	15429.0	50.00	Sequence
IA	18	GRPCWLVLGLLFP SAD LVGLLFP SA	0.1084	15475.8	50.00	Sequence
IA	64	FGVDDPRWQGVSGAD FGVDDPRWQ	0.1078	15571.4	50.00	Sequence
IA	108	IGWRRLEAQAVLSRL RRLEAQAVL	0.1077	15585.2	50.00	Sequence
IA	14	PIEPGRPCWLVLGLL RPCWLVLGLL	0.1075	15618.1	50.00	Sequence
IA	50	AVLSAAGLDIGEVF AVLSAAGLG	0.1067	15755.9	50.00	Sequence
IA	19	RPCWLVLGLLFP SAD LVGLLFP SA	0.1054	15977.6	50.00	Sequence
IA	57	LDIGEVFGVDDPRW EVFGVDDPR	0.1035	16317.7	50.00	Sequence
IA	56	GLDIGEVFGVDDPR GEVFGVDDPR	0.1024	16506.8	50.00	Sequence
IA	48	CDVLSAAGLDIGE AVLSAAGLG	0.1023	16536.3	50.00	Sequence
IA	49	DAVLSAAGLDIGEV AVLSAAGLG	0.1020	16574.5	50.00	Sequence
IA	15	IEPGRPCWLVLGLLFP RPCWLVLGLL	0.1002	16909.6	50.00	Sequence
IA	142	RGELAIIATALVVS AAIATALVV	0.0988	17175.3	50.00	Sequence
IA	81	RHVVLITQHGYRVG RHVVVLITQ	0.0963	17637.2	50.00	Sequence
IA	17	PGRPCWLVLGLLFP SA RPCWLVLGLL	0.0950	17888.8	50.00	Sequence

IA	93	RVGNAVQVIGNRPK	AVVQVIGNR	0.0946	17965.3	50.00	Sequence
IA	101	VIGNRPKIGWRRLEA	VIGNRPKIG	0.0937	18140.7	50.00	Sequence
IA	91	GYRVGNAVQVIGNR	AVVQVIGNR	0.0932	18233.3	50.00	Sequence
IA	92	YRVGNAVQVIGNRP	AVVQVIGNR	0.0923	18408.8	50.00	Sequence
IA	144	EGLAAIATALVVSLR	AAIATALVV	0.0915	18577.7	50.00	Sequence
IA	85	VLITQHGYRVGNAV	VLITQHGYR	0.0912	18642.7	50.00	Sequence
IA	143	GEGLAAIATALVSL	AAIATALVV	0.0911	18657.2	50.00	Sequence
IA	84	VVLITQHGYRVGNAV	QHGYRVGNA	0.0870	19498.9	50.00	Sequence
IA	123	LNAPVSVSATTTDGL	APVSVSATT	0.0848	19971.6	50.00	Sequence
IA	140	TGRGEGLAAIATALV	GRGEGLAAI	0.0835	20260.2	50.00	Sequence
IA	112	RLEAQAVLSRLLNAP	VLSRLLNAP	0.0828	20404.3	50.00	Sequence
IA	139	LTGRGEGLAAIATAL	EGLAAIATA	0.0810	20817.5	50.00	Sequence
IA	83	VVLITQHGYRVGNA	QHGYRVGNA	0.0805	20933.8	50.00	Sequence
IA	52	LSAAGLDIGEVEFGV	SAAGLDIG	0.0802	21003.7	50.00	Sequence
IA	82	HVVVLITQHGYRVGN	HVVVLITQH	0.0799	21067.0	50.00	Sequence
IA	74	VSGADMLRHVVVLIT	SGADMLRHV	0.0798	21095.3	50.00	Sequence
IA	16	EPGRPCWLVLGFLFPS	RPCWLVLGLL	0.0783	21423.7	50.00	Sequence
IA	51	VLSAAGLDIGEVEFG	SAAGLDIG	0.0780	21502.7	50.00	Sequence
IA	138	GLTGRGEGLAAIATA	EGLAAIATA	0.0776	21600.8	50.00	Sequence
IA	75	SGADMLRHVVVLITQ	RHVVLITQ	0.0775	21620.5	50.00	Sequence
IA	88	TQHGYRVGNAVQVI	RVGNAVQV	0.0770	21733.8	50.00	Sequence
IA	73	GVSGADMLRHVVVLI	SGADMLRHV	0.0767	21808.7	50.00	Sequence
IA	89	QHGYRVGNAVQVIG	RVGNAVQV	0.0763	21888.6	50.00	Sequence
IA	23	LVGLLFPADGCAGH	VGLLFPAD	0.0751	22180.9	50.00	Sequence
IA	76	GADMLRHVVVLITQH	RHVVLITQ	0.0750	22212.8	50.00	Sequence
IA	124	NAPVSVSATTTDGLG	APVSVSATT	0.0748	22267.4	50.00	Sequence
IA	20	PCWLVLGFLFPADGC	LVGLLFPAD	0.0742	22398.4	50.00	Sequence
IA	122	LLNAPVSVSATTTDG	APVSVSATT	0.0732	22639.6	50.00	Sequence
IA	87	ITQHGYRVGNAVQV	RVGNAVQV	0.0731	22670.5	50.00	Sequence
IA	22	WLVGLLFPADGCAG	VGLLFPAD	0.0721	22906.7	50.00	Sequence
IA	21	CWLVLGFLFPADGCA	LVGLLFPAD	0.0709	23218.9	50.00	Sequence
IA	0	VNQLPRVGLGTDVHP	RVGLGTDVH	0.0702	23400.0	50.00	Sequence
IA	90	HGYRVGNAVQVIGN	VGNNAVQVI	0.0689	23715.5	50.00	Sequence
IA	136	LGLTGRGEGLAAIA	RGEGLAAIA	0.0682	23908.2	50.00	Sequence
IA	137	LGLTGRGEGLAAIAT	RGEGLAAIA	0.0675	24100.2	50.00	Sequence
IA	55	AGLDIGEVEFGVDDP	GEVFGVDDP	0.0668	24260.5	50.00	Sequence
IA	43	AVHALCDAVLSAAGL	DAVLSAAGL	0.0640	25011.1	50.00	Sequence
IA	77	ADMLRHVVVLITQHG	RHVVLITQ	0.0639	25056.3	50.00	Sequence
IA	78	DMLRHVVVLITQHGY	RHVVLITQ	0.0606	25950.8	50.00	Sequence
IA	53	SAAGLDIGEVEFGVD	SAAGLDIG	0.0603	26044.8	50.00	Sequence
IA	38	SDGDVAVHALCDAVL	VAVHALCDA	0.0587	26497.6	50.00	Sequence
IA	37	HSDGDVAVHALCDAV	VAVHALCDA	0.0562	27225.9	50.00	Sequence
IA	135	DGLGLTGRGEGLAAI	GRGEGLAAI	0.0561	27257.4	50.00	Sequence
IA	86	LITQHGYRVGNAVQ	YRVGNAVQ	0.0544	27743.9	50.00	Sequence
IA	36	GHSDDVAVHALCDA	VAVHALCDA	0.0539	27902.8	50.00	Sequence
IA	104	NRPKIGWRRLEAQAV	IGWRRLEAQ	0.0532	28126.9	50.00	Sequence
IA	125	APVSVSATTTDGLGL	APVSVSATT	0.0515	28649.6	50.00	Sequence
IA	42	VAVHALCDAVLSAAG	VAVHALCDA	0.0491	29377.9	50.00	Sequence
IA	30	SADGCAGHSDGDVAV	AGHSDGDVA	0.0470	30060.8	50.00	Sequence
IA	29	PSADGCAGHSDGDVA	AGHSDGDVA	0.0470	30076.4	50.00	Sequence
IA	102	IGNRPKIGWRRLEAQ	IGWRRLEAQ	0.0458	30453.7	50.00	Sequence
IA	41	DVAVHALCDAVLSAA	HALCDAVLS	0.0454	30607.3	50.00	Sequence
IA	39	DGDVAVHALCDAVLS	HALCDAVLS	0.0453	30639.4	50.00	Sequence
IA	34	CAGHSDGDVAVHALC	GDVAVHALC	0.0442	30994.2	50.00	Sequence
IA	40	GDVAVHALCDAVLSA	HALCDAVLS	0.0431	31350.4	50.00	Sequence
IA	24	VGLLFPADGCAGHS	VGLLFPAD	0.0430	31394.5	50.00	Sequence
IA	127	VSVSATTTDGLGLTG	VSVSATTTD	0.0427	31484.6	50.00	Sequence
IA	103	GNRPKIGWRRLEAQA	IGWRRLEAQ	0.0427	31492.1	50.00	Sequence
IA	128	VSVSATTTDGLGLTGR	VSATTTDGL	0.0417	31847.5	50.00	Sequence

IAs	126	PVSVSATTTDGLGLT	VSVSATTTD	0.0415	31899.5	50.00	Sequence
IAs	54	AAGLGDIGEVEFGVDD	AGLGDIGEVE	0.0415	31920.2	50.00	Sequence
IAs	28	FPSADGCAGHSDGDV	CAGHSDGDV	0.0412	32007.1	50.00	Sequence
IAs	35	AGHSDGDVAVHALCD	GDVAVHALC	0.0396	32565.3	50.00	Sequence
IAs	25	GLLFPSADGCAGHSD	ADGCAGHSD	0.0374	33359.8	50.00	Sequence
IAs	31	ADGCAGHSDGDVAVH	AGHSDGDVA	0.0368	33577.5	50.00	Sequence
IAs	129	VSATTTDGLGLTGRG	VSATTTDGL	0.0365	33685.9	50.00	Sequence
IAs	26	LLFPSADGCAGHSDG	ADGCAGHSD	0.0359	33906.0	50.00	Sequence
IAs	33	GCAGHSDGDVAVHAL	SDGDVAVHA	0.0353	34142.4	50.00	Sequence
IAs	27	LFPSADGCAGHSDGD	ADGCAGHSD	0.0334	34825.1	50.00	Sequence
IAs	32	DGCAGHSDGDVAVHA	SDGDVAVHA	0.0330	34983.8	50.00	Sequence
IAs	130	SATTTDGLGLTGRGE	GLGLTGRGE	0.0304	35972.1	50.00	Sequence
IAs	134	TDGLGLTGRGEGLAA	GLGLTGRGE	0.0304	35988.1	50.00	Sequence
IAs	133	TTDGLGLTGRGEGLA	GLGLTGRGE	0.0293	36419.0	50.00	Sequence
IAs	131	ATTTDGLGLTGRGEG	GLGLTGRGE	0.0283	36817.2	50.00	Sequence
IAs	132	TTTDGLGLTGRGEGL	GLGLTGRGE	0.0280	36935.3	50.00	Sequence

Allele: IAs. Number of high binders 0. Number of weak binders 0. Number of peptides 145

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