

Table S2. Neoantigen mutations with high affinity to H-2K^b allele

ID	Gene	Mutation	Expression level (TPM ^a)	Peptide (MT ^b)	IC50 (MT)
chr7_126764306	Mapk3	S284F	205.33	MKARNYLQFLPSKTKVA	283.5
chr5_144816376	Trrap	A1818G	170.78	LRIYLLQYGTLLVEHAP	145.5
chr1_181821532	Lbr	A341P	102.66	LYTHFLQLPLAATGFSV	454.6
chr17_24511368	Traf7	C403W	101.55	WDTCTTYKWQKTLEGHD	58.2
chr15_97799627	Hdac7	N670T	73.6	TAMGFCCFFTSVAIACRQ	8.3
chr1_74523538	Cnot9	I155M	72.99	VKTDEQEVNMNLLTTEI	147.4
chr5_115088314	Sppl3	A176G	55.38	ALAMGLCVGMIAFVRLP	17.8
chr6_3375005	Samd9l	K752M	45.05	HVLWDLKQMFRCVAVLKN	388.7
chr2_112241960	Lpcat4	R98H	44.67	HNGVLGLSHLLFFLLGF	172
chr19_41952479	Mms19	E615K	43.77	AEKCQQDPKSYWYFHKT	20.2
chr11_119442085	Rnf213	A2708P	41	RTNIARNLPLKENVFMM	179.7
chr18_67672646	Ptpn2	I383T	32.31	KRWLYWQPTLTKMGFVS	367
chr10_77268562	Pofut2	F391Y	31.67	GTSVSTFSYRIHEEREI	314.7
chr1_85659818	Sp100	E48K	28.63	IRSTFPFLKSLRDHEFI	8.5
chr9_99070268	Pik3cb	Q495H	26.8	ITFPENKKHPCYPPFD	170.7
chr2_121534245	Wdr76	F343L	25.2	PGTSYEKFLNSSLEKIR	133.7
chr17_25662545	Lmf1	F523V	23.84	RGEHYRYKVSPLGGQHA	414.9
chr17_47603862	Bysl	A232G	23.11	WTAAAMYQGTRIFASNL	317.8
chr9_103191097	Srprb	L190V	21.15	IAMAKSAKVIQQQLEKE	390.9
chr5_34889473	Htt	A2378P	17.9	LKNIVISLPRPLVNSY	157.1
chr5_137921494	Cyp3a13	F7V	17.88	MDLIPNFSVETWMLLAT	46.6
chr9_59871962	Myo9a	S1667F	16.21	STHFYSHRFDPSREGS	183.7
chr8_22380907	Slc25a15	F185V	8.17	LLREVPGYVFFGGYEL	378.3
chr12_3591957	Dtnb	K40T	7.87	LSTYRTACTLRFVQKRC	77.4
chr8_70134231	Rfxank	R235H	5.36	DLAVALGYHKVQQVMES	493.9
chr10_22287191	H60b	I222L	1.83	IVIICIGGLVSFMAFMV	364.2

a: TPM, transcripts per million;

b: MT, mutation.