3.2 15mer Vaccine Peptides

	Sequence	Protein	Start	End	B-cell Epitope	HLA-I Coverage	HLA-II Coverage	$H2^b$ I	$H2^b$ II	$H2^d$ I	$H2^d$ II	Selection Sets
1	LLQFAYANRNRFLYI	M	34	48		77.0%	36.0%	+	+	+	+	$\circ\ \circ^{b}\ \circ^{d}\circ^{bd}$ $\circledast\ \circledast^{d}\ \circledast^{bd}$
2	YANRNRFLYIIKLIF	M	39	53		78.0%	0.0%	+	-	+	-	$*^{d}$
3	ANRNRFLYIIKLIFL	M	40	54		81.0%	0.0%	+	-	+	-	$*^{b}*^{bd}$
4	YFIASFRLFARTRSM	M	95	109		78.0%	20.0%	+	-	+	+	$*$
5	SFRLFARTRSMWSFN	M	99	113		73.0%	46.0%	+	+	-	+	$\circledast^{b}$
6	LSPRWYFYYLGTGPE	N	104	118		49.0%	0.0%	+	-	+	-	$*^{d}\ *^{b}\ *^{bd}$
7	ATKAYNVTQAFGRRG	N	264	278		24.0%	46.0%	+	+	+	-	$\circledast^{b}$
8	PQIAQFAPSASAFFG	N	302	316		17.0%	39.0%	-	+	+	+	$\circ^{d}\ \circ^{bd}\ \circledast^{d}$
9	SASAFFGMSRIGMEV	N	310	324		56.0%	37.0%	+	-	+	-	$\circledast$
10	MEVTPSGTWLTYTGA	N	322	336		46.0%	0.0%	-	-	-	-	$*$
11	PSGTWLTYTGAIKLD	N	326	340		14.0%	52.0%	+	+	-	-	$\circ^{b}$
12	QQTVTLLPAADLDDF	N	389	403		11.0%	34.0%	-	-	-	-	$\circ\circledast$
13	IGINITRFQTLLALH	S	231	245		61.0%	62.0%	+	-	+	+	$\circledast\circledast^{d}$
14	YYVGYLQPRTFLLKY	S	265	279		88.0%	23.0%	-	+	+	-	$**^{d}$
15	LTDEMIAQYTSALLA	S	865	879		42.0%	46.0%	+	+	+	+	$*^{b}\ *^{bd}\ \circledast^{b}\circledast^{bd}$
16	RAAEIRASANLAATK	S	1014	1028		30.0%	79.0%	-	+	-	+	$\circ\ \circ^{b}\ \circ^{d}\circ^{bd}$ $\circledast$
17	GGNYNYLYRLFRKSN	S	446	460	$S_{456-473}$	37.0%	20.0%	+	-	+	-	$\circledast$
18	NYNYLYRLFRKSNLK	S	448	462	$S_{456-473}$	77.0%	20.0%	+	-	+	-	$\circledast^{d}\ \circledast^{bd}\ \circledcirc\circledast$
19	YNYLYRLFRKSNLKP	S	449	463	$S_{456-473}$	73.0%	20.0%	+	-	-	-	$\circledast^{b}$
20	YLYRLFRKSNLKPFE	S	451	465	$S_{456-473}$	73.0%	20.0%	+	-	-	-	$\circledast$
21	YRLFRKSNLKPFERD	S	453	467	$S_{456-473}$	73.0%	23.0%	+	-	-	-	$\circledcirc\circledast$
22	RLFRKSNLKPFERDI	S	454	468	$S_{456-473}$	56.0%	0.0%	+	-	-	-	$\circledast^{b}$
23	FRKSNLKPFERDIST	S	456	470	$S_{456-473}$	32.0%	0.0%	-	-	-	-	$\circledast$
24	KSNLKPFERDISTEI	S	458	472	$S_{456-473}$	29.0%	0.0%	-	-	-	-	$\square$
25	LKPFERDISTEIYQA	S	461	475	$S_{456-473}$	20.0%	12.0%	-	-	-	-	$\circledast$
26	ISTEIYQAGSTPCNG	S	468	482	$S_{456-473}$	0.0%	21.0%	-	+	-	-	$\circledcirc\circledcirc^{b}$
27	ADTTDAVRDPQTLEI	S	570	584	$S_{580-583}$	0.0%	0.0%	-	-	-	-	$\square\ \circledcirc\ \circledcirc$
28	PQTLEILDITPCSFG	S	579	593	$S_{580-583}$	13.0%	0.0%	-	-	-	-	$\circledast$
29	GFNFSQILPDPSKPS	S	799	813	$S_{809-812}$	0.0%	23.0%	-	+	-	-	$\circledcirc\circledcirc^{b}$
30	FNFSQILPDPSKPSK	S	800	814	$S_{809-812}$	21.0%	12.0%	-	-	-	-	$\square\ \circledast\ \circledcirc$