

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%	+	+	+	+	$\circ \circ^b \circ^d \circ^{bd}$ $\otimes \otimes^d \otimes^{bd}$
2	YANRNRFLYIIKLIF	M	39	53		78.0%	0.0%	+	-	+	-	\ast^d
3	ANRNRFLYIIKLIFL	M	40	54		81.0%	0.0%	+	-	+	-	$\ast^b \ast^{bd}$
4	YFIASFRLFARTISM	M	95	109		78.0%	20.0%	+	-	+	+	\ast
5	SFRLFARTISMWSFN	M	99	113		73.0%	46.0%	+	+	-	+	\otimes^b
6	LSPRWYFYLGTPGE	N	104	118		49.0%	0.0%	+	-	+	-	$\ast^d \ast^b \ast^{bd}$
7	ATKAYNVTQAFGRRG	N	264	278		24.0%	46.0%	+	+	+	-	\otimes^b
8	PQIAQFAPSASAFFG	N	302	316		17.0%	39.0%	-	+	+	+	$\circ^d \circ^{bd} \otimes^d$
9	SASAFFGMSRIGMEV	N	310	324		56.0%	37.0%	+	-	+	-	\otimes
10	MEVTPSGTWLTYTGA	N	322	336		46.0%	0.0%	-	-	-	-	\ast
11	PSGTWLTGTGAIKLD	N	326	340		14.0%	52.0%	+	+	-	-	\circ^b
12	QQTVTLLPAADLDDF	N	389	403		11.0%	34.0%	-	-	-	-	$\circ \otimes$
13	IGINITRFQTLALH	S	231	245		61.0%	62.0%	+	-	+	+	$\otimes \otimes^d$
14	YYVGYLQPRTFLLKY	S	265	279		88.0%	23.0%	-	+	+	-	$\ast \ast^d$
15	LTDEMIAQYTSALLA	S	865	879		42.0%	46.0%	+	+	+	+	$\ast^b \ast^{bd} \otimes^b \otimes^{bd}$
16	RAAEIRASANLAATK	S	1014	1028		30.0%	79.0%	-	+	-	+	$\circ \circ^b \circ^d \circ^{bd}$ \otimes
17	GGNYNYLYRLFRKSN	S	446	460	S ₄₅₆₋₄₇₃	37.0%	20.0%	+	-	+	-	\boxtimes
18	NYNYLYRLFRKSNLK	S	448	462	S ₄₅₆₋₄₇₃	77.0%	20.0%	+	-	+	-	$\boxtimes^d \boxtimes^{bd} \square \boxtimes$
19	YNYLYRLFRKSNLKP	S	449	463	S ₄₅₆₋₄₇₃	73.0%	20.0%	+	-	-	-	\boxtimes^b
20	YLYRLFRKSNLKPFE	S	451	465	S ₄₅₆₋₄₇₃	73.0%	20.0%	+	-	-	-	\boxtimes
21	YRLFRKSNLKPFERD	S	453	467	S ₄₅₆₋₄₇₃	73.0%	23.0%	+	-	-	-	$\square \boxtimes$
22	RLFRKSNLKPFERDI	S	454	468	S ₄₅₆₋₄₇₃	56.0%	0.0%	+	-	-	-	\boxtimes^b
23	FRKSNLKPFERDIST	S	456	470	S ₄₅₆₋₄₇₃	32.0%	0.0%	-	-	-	-	\boxtimes
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%	-	-	-	-	\boxtimes
26	ISTEIYQAGSTPCNG	S	468	482	S ₄₅₆₋₄₇₃	0.0%	21.0%	-	+	-	-	$\square \square^b$
27	ADTTDAVRDPQTLEI	S	570	584	S ₅₈₀₋₅₈₃	0.0%	0.0%	-	-	-	-	$\square \square \boxtimes$
28	PQTLEILDITPCSF	S	579	593	S ₅₈₀₋₅₈₃	13.0%	0.0%	-	-	-	-	\boxtimes
29	GFNFSQILPDPSKPS	S	799	813	S ₈₀₉₋₈₁₂	0.0%	23.0%	-	+	-	-	$\square \square^b$
30	FNFSQILPDPSKPSK	S	800	814	S ₈₀₉₋₈₁₂	21.0%	12.0%	-	-	-	-	$\square \boxtimes \boxtimes$