

2.2 21mer 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	LLQFAYANRNRFLYIIKLIFL	M	34	54		89.0%	36.0%	+	+	+	+	* * ^b * ^d * ^{bd} ○ ○ ^d ○ ^{bd} ⊗ ^d ⊗ ^b ⊗ ^{bd} ○ ^b ⊗ ⊗ ^b ⊗ ^{bd}
2	FVLAAVYRINWITGGIAIAMA	M	65	85		42.0%	76.0%	+	+	-	+	○ ^b ⊗ ⊗ ^b
3	LSYFIASFRLFARTRSMWSFN	M	93	113		78.0%	46.0%	+	+	+	+	⊗ ^{bd}
4	LSPRWYFYLGTPGPEAGLPYG	N	104	124		49.0%	23.0%	+	+	+	-	*
5	GTRNPANNAIIVLQLPQGTTL	N	147	167		20.0%	55.0%	-	+	-	+	○ ^{bd}
6	IAQFAPSASAFFGMSRIGMEV	N	304	324		63.0%	51.0%	+	+	+	+	⊗ ^d ⊗ ^{bd}
7	SASAFFGMSRIGMEVTPSGTW	N	310	330		65.0%	37.0%	+	-	+	-	* ^b * ^d * ^{bd}
8	IGMEVTPSGTWLTYTGAIKLD	N	320	340		54.0%	52.0%	+	+	-	-	⊗ ^b
9	GTWLTYTGAIKLDDKDPNFKD	N	328	348		26.0%	62.0%	+	+	-	-	○ ^b ⊗
10	KQQTVTLLPAADLDDFSKQLQ	N	388	408		11.0%	52.0%	-	-	-	+	○ ○ ^d
11	LPFNDGVYFASTEKSNIIRGW	S	84	104		58.0%	41.0%	-	+	-	-	*
12	PLVDLPIGINITRFQTLLALH	S	225	245		65.0%	62.0%	+	-	+	+	⊗ ⊗ ^d
13	GAAAYYVGYLQPRTFLLKYNE	S	261	281		88.0%	38.0%	+	+	+	-	* ^b * ^d * ^{bd}
14	LTDEMIAQYTSALLAGTITSG	S	865	885		42.0%	73.0%	+	+	+	+	⊗ ^d ⊗ ^{bd}
15	LSSNFGAISSVLNDILSRDK	S	966	986		59.0%	62.0%	+	+	-	+	⊗ ^b
16	VTQQLIRAAEIRASANLAATK	S	1008	1028		30.0%	81.0%	-	+	-	+	○ ○ ^d ○ ^b ○ ^{bd}
17	NYNLYRLFRKSNLKPFERDI	S	448	468	S ₄₅₆₋₄₇₃	77.0%	38.0%	+	-	+	-	⊗ ^d ⊗ ^{bd} □ ⊗
18	YRLFRKSNLKPFERDISTEIIY	S	453	473	S ₄₅₆₋₄₇₃	78.0%	23.0%	+	-	-	-	□ ⊗ ⊗ ^b □ ⊗
19	KPFERDISTEIIYQAGSTPCNG	S	462	482	S ₄₅₆₋₄₇₃	20.0%	21.0%	-	+	-	-	□ ^b
20	QFGRDIADTTDAVRDPQTLEI	S	564	584	S ₅₈₀₋₅₈₃	0.0%	0.0%	-	-	-	-	□
21	PQTLEILDITPCSFGGVSVIT	S	579	599	S ₅₈₀₋₅₈₃	13.0%	0.0%	-	-	-	-	⊗
22	QTLEILDITPCSFGGVSVITP	S	580	600	S ₅₈₀₋₅₈₃	13.0%	21.0%	-	-	-	-	□ ⊗
23	GFNFSQILPDPSKPSKRSFIE	S	799	819	S ₈₀₉₋₈₁₂	21.0%	23.0%	-	+	-	-	□ □ □ ^b ⊗
24	PSKPSKRSFIEDLLFNKVTLA	S	809	829	S ₈₀₉₋₈₁₂	66.0%	0.0%	+	-	-	-	⊗ ⊗ ^b