

Supplementary Table 1. Summarising T-cell antigenic epitopes.

Protein Number	Protein Description	Peptide	Start	End	Combined Score	Immunogenicity Score	Peptide core	Median Percentile Rank (7-allele)
1	seq1	ELMQHILRKGGRTIA	21	35	49.90952	82.7738	HILRKGGRT	28.0
4	seq4	VQTIENVNSFGYLK	6	20	46.33872	93.3468	VQTIENVNSF	15.0
4	seq4	YQHDYIATNGPLKVG	26	40	48.11476	85.7889	YIATNGPLK	23.0
5	seq5	AGIFGADPIHSLRVC	31	45	48.71952	99.2988	IFGADPIHS	15.0
6	seq6	IDITFLKADAPYIVG	31	45	27.70268	58.8067	LKKDAPYIV	7.1
8	seq8	QLCTFTRSTNSRIKQ	26	40	49.6302	91.0755	FTRSTNSRI	22.0
8	seq8	HLEASFNYLKSFPNFS	41	55	37.7742	76.4355	FNLYLKSFPNF	12.0
8	seq8	FNLYLKSFPNFKLINI	46	60	39.28144	77.2036	FNLYLKSFPNF	14.0
9	seq9	VAAIFYLITPVHMVMS	21	35	38.23052	84.9263	FYLITPVHV	7.1
9	seq9	VHMVSKHTQHVAIV	31	45	46.6074	79.0185	VHMVSKHTQ	25.0
9	seq9	VAIVQHITIAYIQH	41	55	40.78384	85.4566	VAIVQHITI	11.0
10	seq10	LFFFLYENAFQLHIP	11	25	38.39324	77.9831	FLYENAFQL	12.0
11	seq11	DSYFVVKRHTFSNYQ	11	25	49.526	75.815	YFVVKRHTF	32.0
12	seq12	ASQGLVASIKNQHPN	26	40	49.1424	83.856	LVASIKNQH	26.0
13	seq13	HLYLDAYNMMSISAGF	1	15	33.97156	74.1289	LYLDAYNMM	7.2
13	seq13	AYNMMSISAGFSLWWQ	6	20	30.97488	56.4372	MMISAGFSL	14.0
13	seq13	SLWWQHFMVWVWKGHF	16	30	44.09752	63.7438	VQHFVWVWV	31.0
13	seq13	EVPVSIINNTVYTKV	36	50	44.92808	77.8202	IINNTVYTK	23.0
15	seq15	LGGLHLLIGLAKRFK	31	45	45.03476	84.0889	LIGLAKRFK	19.0
16	seq16	GRLIIRENNRVVQHP	6	20	35.86288	70.1572	LIIRENNRV	13.0
17	seq17	AALALLLDRLNQLLE	26	40	47.61288	98.0322	LALLLDRL	14.0
19	seq19	AAIVFITLQHSLTEN	1	15	48.60644	91.5161	IVFITLQHS	20.0
19	seq19	SDFVRATATIPQAS	36	50	45.657	93.1425	FVRATATIP	14.0
20	seq20	APFLYLYALVYFLQS	6	20	48.60072	94.5018	FLYLYALVY	18.0
20	seq20	LYALVYFLQSINFVR	11	25	41.97124	94.5781	FLQSINFVR	6.9
20	seq20	YFLQSINFVRIIMRL	16	30	40.64176	89.3044	FLQSINFVR	8.2
20	seq20	INFVRIIMRLQHSQD	21	35	44.48336	82.7084	VRIIMRLQH	19.0
20	seq20	ISEHQHLVSSQCVNL	41	55	47.0256	84.564	HQHLVSSQC	22.0
21	seq21	RGVYYPDKVFRSSVL	11	25	46.98348	87.4587	YYPDKVFRS	20.0
21	seq21	LFLPFFSNVWFHAI	31	45	46.74568	80.8642	FSNVWFHAI	24.0
22	seq22	TQSLIVMNNATNVM	31	45	38.84296	77.1074	LLVMNNATN	13.0
23	seq23	ESEFRVYSSANNCTF	11	25	42.44412	80.6103	FRVYSSANN	17.0
23	seq23	LREFVFNIDGYFKI	46	60	33.72476	68.3119	FKNIDGYFK	12.0
24	seq24	PINLVRLPQGFSALE	6	20	48.51248	98.7812	LVRDLPQGF	15.0
24	seq24	LPIGINITRFQTLA	26	40	47.611	98.0275	ITRFQTLA	14.0
24	seq24	NITRFQTLALHRSY	31	45	42.69728	87.2432	FQTLALHR	13.0
24	seq24	QTLALHRSYLTQPGD	36	50	45.52688	89.8172	LALHRSYLT	16.0
25	seq25	FTVEKGIYQTSNFRV	16	30	49.35844	96.3961	IYQTSNFRV	18.0
25	seq25	SNFRVQPTESIQRHF	26	40	49.41968	99.5489	FRVQPTESI	16.0
25	seq25	IQHRFASVYAWNRKR	36	50	41.85968	79.1492	FASVYAWNR	17.0
26	seq26	YNYLYRLFRKSNLKP	46	60	36.10916	67.7729	YRLFRKSNL	15.0