

Table S1. Set of the screened linear B cell epitopes which also contained CTL epitopes derived from spike protein of SARS-CoV-1.

No.	B cell epitope sequence	No.	IEDB ID	Epitope sequence	MHC Allele Class	MHC Allele
B1	DAVDCSQNPLAE <u>LKCSVKSFEIDKG</u> <u>IYQTSN</u>	B1-T1	15552	FEIDKGIYQT	I	HLA-B*40:01,HLA-B*40:02, HLA-B*45:01
		B1-T2	33303	KSFEIDKGIY	I	HLA-A*01:01,HLA-A*29:02, HLA-A*30:02
B3	<u>PLNDYGFYTTTGI</u> <u>GY</u>	B3-T	18477	FYTTTGIYGY	I	HLA-A*01:01,HLA-A*26:01
B4	<u>GPKLSTDLIK</u> <u>NQC</u> <u>VNFNENGLTGTG</u> <u>VLTPSS</u>	B4-T1	21675	GPKLSTDLIK NQC	I	IFN- γ release, positive TNF- α release, positive
		B4-T2	26858	IKNQC VNFNENGLTGTG	I	IFN- γ release, positive TNF- α release, positive
B5	<u>FSQILPDPLKPTK</u> RSFIE	B5-T1	27241	ILPDPLKPT	I	HLA-A*02:01 IFN- γ release, positive
		B5-T2	60463	SQILPDPLK	I	HLA-A*11:01
B6	<u>SFIEDLLFNK</u> <u>VTL</u> <u>ADAGF</u>	B6-T1	57792	SFIEDLLFNK	I	HLA-A*11:01,HLA-A*31:01, HLA-A*33:01,HLA-A*68:01, HLA-DR
		B6-T2	37289	LLFNKVTLA	I	HLA-A*02:01,HLA-A*02:02, HLA-A*02:03,HLA-A*02:06, HLA-A*68:02

Epitopes that were also tested for positive T cell response (MHC-I) are underlined.