

Table S5. Comparison of the selected T cell epitopes of SARS-CoV-2 S protein mapped to SARS-COV-1 with the predicted epitopes by MHC-I Binding Predictions in IEDB.

Selected T cell epitopes				Predicted epitope				Identity (%)
No.	Sequence	Start-End	MHC Allele Class	MHC Allele	Sequence	Start-End	MHC Allele	
T1	GYQPYRVVVL	504-513	I	HLA-A*23:01	YQPYRVVVL	505-513	HLA-B*08:01	90
				HLA-A*24:02			HLA-A*02:06	
				HLA-A*29:02			HLA-B*15:01	
T2	PYRVVLSF	507-515	I	HLA-A*01:01	PYRVVLSF	507-515	HLA-A*23:01	100
				HLA-A*23:01			HLA-A*24:02	
				HLA-A*24:02			HLA-A*24:02	
				HLA-A*26:01				
T3	RVDFCGKGY	1039-1047	I	HLA-A*01:01	RVDFCGKGY	1039-1047	HLA-A*01:01	100
				HLA-A*03:01			HLA-A*30:02	
				HLA-A*15:01			HLA-A*30:02	
				HLA-A*30:02			HLA-A*30:02	
				HLA-B*27:05				