

Table S1. Peptides used in the study

HLA-restriction	Peptide sequence	Gene
HLA-A2	SLYNTVATL	p17
HLA-A2	YVDRFYKTL	p24
HLA-A2	GHQAAMQMLKE	p24
HLA-A2	HAGPIAPGQMREPRG	p24
HLA-A2	KEGHQMKDCTERQANF	p2p7p1p6
HLA-A2	GNFLQSRPEPTAPPF	p2p7p1p6
HLA-A2	LVGPTPVNI	Protease
HLA-A2	HLLRWGFTT	RT
HLA-A2	ELHPDKWTV	RT
HLA-A2	LPEKDSWTV	RT
HLA-A2	ILKEPVHGV	RT
HLA-A2	VLDVGDAYFSV	RT
HLA-A2	VIYQYMDDL	RT
HLA-A2	ALQDSGLEV	RT
HLA-A2	KIKPPLPSV	Vif
HLA-A2	AIIRILQQL	Vpr
HLA-A2	SISEWILST	Rev
HLA-A2	LQLPPLERL	Rev
HLA-A2	RLVSGFLAL	gp160
HLA-A2	KLTPLCVTL	gp160
HLA-A2	RLRDLLLIV	gp160
HLA-A2	SLLNATDIAV	gp160
HLA-A2	VTVYYGVPV	gp160
HLA-A2	YRLINCNTSV	gp160
HLA-A2	AVLSVVNRV	gp160
HLA-A2	LLQYWSQEL	gp160
HLA-A2	PLTFGWQCYKL	Nef
HLA-A2	VLEWRFD SRL	Nef
HLA-A2	AFHHVAREL	Nef
HLA-A2	AAVDLSHFL	Nef
HLA-B27	IRLRPGGKK	p17
HLA-B27	ERFAVNPGL	p17
HLA-B27	KRWIILGLNK	p24
HLA-B27	KKWIILGLNK	p24
HLA-B27	TRANSPTRR	Pol
HLA-B27	KRKGGIGGY	Int
HLA-B27	NRWQVMIVW	Vif
HLA-B27	SRKAKGWFY	Vif
HLA-B27	ARLVITTYW	Vif
HLA-B27	AVRHFPRIW	Vpr
HLA-B27	ARRNRRRRW	Rev
HLA-B27	IRDKVQKEY	gp160
HLA-B27	SRAKWNNTL	gp160
HLA-B27	ARVLAVERY	gp160
HLA-B27	RYLKDQQL	gp160
HLA-B27	GRRGWEALKY	gp160
HLA-B27	RRQDILDWI	Nef
HLA-B27	RYPLTFGW	Nef
HLA-B27	EREVLVWKF	Nef

HLA-B57	LSGGELDRW	p17
HLA-B57	GQMVHQAI SP	p24
HLA-B57	NAWVKVVEEKAFSPEVIPMF	p24
HLA-B57	TINEEAAEW	p24
HLA-B57	ISPRTLNAW	p24
HLA-B57	QASQEVKNW	p24
HLA-B57	KAFSPEVIPMF	p24
HLA-B57	TSTLQEQIGW	p24
HLA-B57	PTRRELQVW	Pol
HLA-B57	FSFPQITLW	Pol
HLA-B57	IATESIVW	RT
HLA-B57	KLPIQKETW	RT
HLA-B57	KITTESIVW	RT
HLA-B57	ISPRTLNAW	RT
HLA-B57	IVLPEKDSW	RT
HLA-B57	TTVKAACWW	Int
HLA-B57	ISKKAKGWF	Vif
HLA-B57	AVRHFPRIW	Vpr
HLA-B57	PVDPRLEPW	Tat
HLA-B57	KAVRRLIKFLY	Rev
HLA-B57	KNYQHLWRW	gp160
HLA-B57	TTQLFNSTW	gp160
HLA-B57	STWNVNGTW	gp160
HLA-B57	WFDITNWLW	gp160
HLA-B57	WSKRSVVGW	Nef
HLA-B57	GPGVRYPLTFGW CY	Nef
HLA-B57	DPEREVLVW	Nef
HLA-B57	YFPDWQNYT	Nef
HLA-B57	HTQGYFPDWQ	Nef