Table S4. Peptides used for generating HIV-1 Env epitope-specific tetramers

peptide name	location*	peptide sequence
gp41 MPER	gp41 $Env_{659-678}$	*biotin-GGG*QQEKNEQELLELDKWASLWN
gp41 MPER scrambled		*biotin-GGG*NKEQDQAEESLQLWEKLNWL
clade B V3	gp120 $Env_{306-338}$	*biotin-GGG*TRPNNNTRKSIHIGPGRAFYTTGEIIGDIRQAH
clade B V3 scrambled		*biotin-GGG*ITIDNIGHHNRITFRAANTRPISGQRGEYPGKT
62.19 V3	gp120 $Env_{306-328}$	*biotin-GGG*TRPNNNTRKSIHIGPGRAFYATE
62.19 V3 scrambled		*biotin-GGG*NPATISRTIGHNFRYTPAREKNG
gp41 ID	gp41 $Env_{581-615}$	*biotin-GGG*KQLQARVLAVERYLKDQQLLGIWGCSGKLICTTAV
gp41 ID scrambled		*biotin-GGG*QLDSIQKEVYQLGKQLVWCTARLATKLVGKACGIL
R4A (dsDNA mimic)		*biotin-GGGGG*DWEYSVWLSN

*Env sequences are numbered relative to $HIV\text{-}1_{HXB2CG}$ as previously described [79]. The 62.19 V3 sequence is from [80]. The dsDNA mimic peptide sequence [81], has been previously used in tetrameric form to detect DNA-reactive populations [47,48].