

Figure S5. Alignments of SERV-K1 Env T cell epitopes to SIVmac239 Env peptides. (a) Amino acid alignment of r02120 CD4+ T cell epitope SERV-K1 Env LL15 to SIVmac239 Env LL15. This is the only SIVmac239 Env peptide with 10 or less mismatches to SERV-K1 Env LL15. **(b)** Amino acid alignment of r02120 CD8+ T cell epitope SERV-K1 Env PA8 to SIVmac239 Env PC8 and AQ8. These are the only SIVmac239 Env peptides with 5 or less mismatches to SERV-K1 Env PA8. For both (a) and (b), matches to the SERV-K1 Env peptide are shown as dashes.

a

SERV-K1 Env 526-540	LRQTVIWMGDRLMSL
SIVmac239 Env 703-717	-LRI--YIVQM-AK-

b

SERV-K1 Env 109-115	PFPPPLIRA
SIVmac239 Env 236-243	-GYA-L-C
SIVmac239 Env 865-872	AI-RR--Q