

Supplemental Table S1. Modulation of TfR and previously described PBMC surface receptors by lentiviral Nef proteins.

Lineage	Clone	Species/subspecies	Modulation (n-fold, \pm SD) of:					Group ⁽³⁾	Ref
			TfR ⁽¹⁾	CD4 ⁽²⁾	MHCI ⁽²⁾	CD3 ⁽²⁾	CD28 ⁽²⁾		
HIV-1/M	NL4-3	Human (<i>Homo sapiens</i>)	1.67 \pm 0.3	2.6	3.4	0.8	1.7	1	14
HIV-1/M	NA7	Human (<i>Homo sapiens</i>)	1.81 \pm 0.4	3.3	3.7	0.8	3.8	1	14
HIV-1/O	MVP8161	Human (<i>Homo sapiens</i>)	1.45 \pm 0.3	2.8	4.1	0.9	1.9	1	14
HIV-1/O	MVP13127	Human (<i>Homo sapiens</i>)	1.30 \pm 0.3	3.2	4.6	1.1	2.9	1	14
HIV-1/N	YBF30	Human (<i>Homo sapiens</i>)	1.20 \pm 0.2	2.4	1.9	1.1	1.5	1	14
SIVcpzPtt	GAB2	Central chimpanzee (<i>Pan t. troglodytes</i>)	1.67 \pm 0.2	3.4	2.5	0.7	4.5	1	14
SIVcpzPtt	Cam3k1	Central chimpanzee (<i>Pan t. troglodytes</i>)	1.55 \pm 0.3	2.1	1.1	0.7	1.3	1	14
SIVcpzPts	TAN1	Eastern chimpanzee (<i>Pan t. schweinfurthii</i>)	1.02 \pm 0.1	2.3	1.3	1.5	6.8	1	14
SIVcpzPts	TAN3	Eastern chimpanzee (<i>Pan t. schweinfurthii</i>)	1.10 \pm 0.4	1.8	2.5	1.0	2.6	1	14
SIVcpzPts	Nok5	Eastern chimpanzee (<i>Pan t. schweinfurthii</i>)	1.10 \pm 0.4	2.5	3.4	1.1	5.9	1	14
SIVgsn	CM166	Greater spot-nosed monkey (<i>C. nictitans</i>)	1.13 \pm 0.1	2.2	4.9	1.3	3.8	1	14
SIVmus	CMS1085	Mustached monkey (<i>Cercopithecus cephus</i>)	1.90 \pm 0.4	1.7	3.7	0.8	1.8	1	14
SIVmon	CML1	Mona monkey (<i>Cercopithecus mona</i>)	1.26 \pm 0.2	1.6	2.3	0.8	2.8	1	14
HIV-2	BEN	Human (<i>Homo sapiens</i>)	1.35 \pm 0.2	1.8	5.6	13.9	6.8	2	14
HIV-2	CBL-23	Human (<i>Homo sapiens</i>)	1.15 \pm 0.5	2.2	5.9	13.1	4.0	2	14
HIV-2	60415K	Human (<i>Homo sapiens</i>)	2.56 \pm 0.5	2.0	4.6	11.9	1.5	2	14
HIV-2	310319	Human (<i>Homo sapiens</i>)	1.55 \pm 0.1	1.9	4.9	10.7	1.8	2	14
SIVsmm	FFm1	Sooty mangabey (<i>Cercocebus atys</i>)	1.30 \pm 0.1	2.2	3.9	5.4	5.0	2	14
SIVsmm	FYr1	Sooty mangabey (<i>Cercocebus atys</i>)	2.65 \pm 0.1	1.6	3.7	10.3	4.6	2	14
SIVsmm	FWr1	Sooty mangabey (<i>Cercocebus atys</i>)	2.90 \pm 0.3	1.9	3.4	7.1	2.6	2	14
SIVmac	239	Rhesus macaque (<i>Maccaca mulatta</i>)	3.27 \pm 0.4	2.2	4.4	16.7	5.0	2	14
SIVrcm	GB1	Red-capped mangabey (<i>Cercocebus torquatus</i>)	3.50 \pm 0.1	1.1	1.3	9.9	1.4	2	14
SIVdeb	CM5	De Brazza monkey (<i>Cercopithecus neglectus</i>)	1.15 \pm 0.2	2.4	1.6	8.0	6.0	2	14
SIVdeb	CM40	De Brazza monkey (<i>Cercopithecus neglectus</i>)	2.00 \pm 0.1	1.6	2.4	8.2	4.8	2	14
SIVsyk	KE44	Sykes` monkey (<i>Cercopithecus albogularis</i>)	2.30 \pm 0.1	1.6	2.4	7.5	3.9	2	14
SIVsyk	KE51	Sykes` monkey (<i>Cercopithecus albogularis</i>)	3.25 \pm 0.1	1.3	3.1	12.2	6.6	2	14
SIVblu	KE31	Blue monkey (<i>Cercopithecus mitis</i>)	2.81 \pm 0.2	1.8	5.2	12.1	7.2	2	14
SIVsun	sol-36	Sun-tailed monkey (<i>Cercopithecus solatus</i>)	2.35 \pm 0.3	2.0	2.3	7.3	2.4	2	14
SIVtan	1	Tantalus monkey (<i>Chlorocebus tantalus</i>)	3.21 \pm 0.5	2.2	2.2	8.8	6.2	2	14
SIVtan	B87-18	Tantalus monkey (<i>Chlorocebus tantalus</i>)	2.60 \pm 0.2	1.6	1.9	11.3	5.3	2	14
SIVsab	1	Green monkey (<i>Chlorocebus sabaeus</i>)	2.35 \pm 0.1	1.1	4.5	14.2	5.1	2	14

The Nef-mediated *n*-fold modulation of TfR, CD4, MHCI, CD3 and CD28 was calculated by dividing the mean fluorescence intensity (MFI) of PBMCs infected with a *nef*-deficient HIV-1 expressing GFP by the corresponding MFI obtained for cells infected with HIV-1 constructs coexpressing Nef and GFP. For TfR results are shown in mean values \pm SD from three to five independent experiments. ⁽¹⁾TfR is upregulated while ⁽²⁾CD4, MHCI, CD3 and CD28 are downmodulated. ⁽³⁾Phylogenetical clustering of lentiviral Nef proteins in HIV-1/SIVcpz and SIVprecursors (Group 1) versus HIV-2/SIVsmm/SIVmac and other SIVs (Group 2) according to Ref 14.