Supplementary Figure 2

mutant	region	C1-0440	C1-0269	C1-0534	C1-0175	C1-0219	C1-0457	C1-0536	C1-0763	C8-0258
ConC Parent		394	1,137	557	841	1,286	1,151	325	11,407	96
R132A	V1	448	687	299	659	731	1,158	228	3,212	144
S158A	V2	474	1,059	570	1,188	1,896	1,409	383	12,637	101
N160A	V2	474	968	1,090	953	505	1,346	422	2,004	155
R166A	V2	347	1,063	495	761	804	1,205	398	5,885	109
D167N	V2	619	1,500	1,346	1,304	522	1,107	645	42,180	111
K169E	V2	268	831	431	614	327	1,081	449	2,196	112
K171A	V2	297	925	467	708	338	1,265	359	2,901	124
A174G	V2	616	1,266	833	1,084	1,259	1,211	324	7,476	131
L175A	V2	633	910	922	1,329	988	1,300	253	8,317	121
Y177A	V2	1,607	6,307	3,548	4,986	1,220	2,352	424	15,653	311
I181A	V2	1,101	2,222	3,588	3,705	843	1,965	1,026	7,132	298
N332A	C3	456	2,879	1,130	850	3,538	2,054	1,467	21,958	225
S365I	C3	4,392	7,801	6,618	6,951	3,696	4,493	6,201	25,467	589
S375M	C3	289	1,104	392	682	955	1,032	463	10,634	67
V430A	C4	1,619	3,600	2,007	3,374	2,545	2,454	1,113	17,595	490
F468V	V5	953	2,383	1,106	1,614	2,263	1,965	960	20,962	175
G471E	C5	690	1,765	703	1,346	1,556	2,762	742	15,035	86

SOM Figure 2: Effects of gp120 point mutations on ConC neutralization. The neutralizing titres of plasmas tested against a panel of viruses bearing trimers with gp120 mutants in the ConC background (additional experiments to that shown in Figure 8). Mutants that resulted in a >50% reduction in plasma neutralization titer are shown in red. Those that resulted in a two-fold or more increase in neutralization titer are shown in lavender. Amino acid numbering is based on the sequence of HXB2. Residue positions were color coded to reflect their degree of conservation across clades, as described previously (111). Positions that are conserved in 0-49% of isolates are shown in white, those conserved in 50-90% of isolates are shown in light blue and those conserved in >90% of isolates are shown in dark blue. Amino acid identity was determined based on a sequence alignment of HIV-1 isolates listed in the HIV sequence database at http://hiv-web.lanl.gov/content/hiv-db/mainpage.html.