

Table S3. Comparison of intra-host diversity measures across treatment groups.

Intra-host mean diversity measures were computed based on pairwise amino acid distances between all sequences from a given subject. Comparisons between vaccine and placebo groups were done using a Wilcoxon rank sum test (Mann-Whitney test) with exact 2-sided p-value. Multiplicity adjusted Q-values were only computed for the analysis including the dually-infected vaccinees.

	gp120		gp41		Gag		Pol		Nef	
	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo
n	27	20	27	20	26	20	26	20	27	20
Median	0.003	0.005	0.002	0.003	0.001	0.002	0.00079	0.00199	0.002	0.005
Mean	0.019	0.010	0.010	0.006	0.004	0.004	0.00398	0.00303	0.012	0.007
p-value	0.035		0.241		0.036		0.006		0.331	
q-value	0.090		0.402		0.090		0.060		0.473	

	Rev		Tat		Vif		Vpr		Vpu	
	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo
n	27	20	27	20	26	20	26	20	27	20
Median	0.003	0.004	0.002	0.002	0.001	0.004	0.001	0.002	0.002	0.005
Mean	0.014	0.007	0.014	0.006	0.007	0.007	0.008	0.005	0.016	0.007
p-value	0.600		0.882		0.036		0.541		0.194	
q-value	0.667		0.882		0.090		0.667		0.388	

Excluding two dually-infected vaccinees

	gp120		gp41		Gag		Pol		Nef	
	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo
n	25	20	25	20	24	20	24	20	25	20
Median	0.002	0.005	0.002	0.003	0.001	0.002	0.00076	0.00199	0.001	0.005
Mean	0.005	0.010	0.003	0.006	0.001	0.004	0.00116	0.00303	0.004	0.007
p-value	0.006		0.088		0.006		0.001		0.135	

	Rev		Tat		Vif		Vpr		Vpu	
	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo	Vaccine	Placebo
n	25	20	25	20	24	20	24	20	25	20
Median	0.002	0.004	0.002	0.002	0.001	0.004	0.000	0.002	0.002	0.005
Mean	0.005	0.007	0.003	0.006	0.002	0.007	0.002	0.005	0.004	0.007
p-value	0.308		0.765		0.006		0.246		0.064	