



Supplementary Figure S1. Dose dependent inhibition of SF162 Env pseudotyped HIV-1 virus infection from a representative experiment. 150 TCID₅₀/mL of SF162 Env pseudotyped HIV-1 viruses were incubated with serial dilution of serum samples and then used for infection of TZM-bl cells. Y-axis shows the percent inhibition of virus infection in serum dilutions compared to the virus incubated with pre-immune sera. Inhibitory dilution 50 or ID₅₀ is defined as the reciprocal serum dilution that resulted in 50% reduction of infectivity (dotted lines) in the TZM-bl assay.

Supplementary Table S1: Neutralization activity against a panel of HIV-1 viruses pseudotyped with Env from diverse isolates

Animal No.	Weeks after primary immunization*	Env pseudotyped viruses used as indicators in neutralization assay								
		Subtype 02A1	Subtype A1	Subtype 02_AG		Subtype B				
		242-14	Q23 _{ENV17}	271-11	DJ263.8	1012-11.TC21.3257	1056-10.TA11.1826	SS1196.1	BAL.26	SF162.LS
Z09183	Wk 22	–	–	–	–	–	–	–	–	–
	Wk 26	–	–	–	–	–	–	80	93	99
	Wk 36	–	–	–	–	–	52	–	53	99
L10124	Wk 22	–	–	–	50	–	–	54	74	97
	Wk 26	–	–	–	–	–	–	–	–	98
	Wk 36	–	–	–	–	–	–	–	57	99
R10090	Wk 22	–	–	–	–	–	–	–	–	99
	Wk 26	–	–	–	–	–	–	–	–	99
	Wk 36	–	–	–	–	–	–	–	–	99
L10141	Wk 22	–	–	–	–	–	–	–	–	99
	Wk 26	–	–	–	–	–	–	–	–	98
	Wk 36	–	–	–	–	–	–	–	–	95

*' Wk 22 samples were collected 2 weeks after the gp120 boost ; Wk 26 and Wk 36 samples were collected, respectively, at 2 and 12 weeks after intrarectal SHIV challenge. Please see Figure 2 and Materials and Methods for details.

Numbers in the table refer to the percent reduction of virus infectivity as measured by Relative Luciferase Units (RLU) in TZM-bl cells (see Materials and Methods). '–' indicates less than 50% inhibition in the presence of sera at 1:20 dilution. HIV-1 viruses pseudotyped with Env from Murine leukemia virus was used as a control for non-specific activities.