

### Supplementary Figure legends

Fig. S1. Rhesus macaque PBMC were infected with the indicated simian SHIV<sub>AD8</sub> stocks at a MOI of 0.01 and progeny virus production was determined by <sup>32</sup>P-RT assay of culture supernatants (38). CPM, counts per minute.

Fig. S2. The dynamics of anti-HIV-1 gp120 antibody binding by ELISA. ELISA was performed on 1:100 dilution of plasma samples collected at the indicated times and are presented as OD values. Color and symbols are the same as described in the legend for Fig. 3.

Figure S1

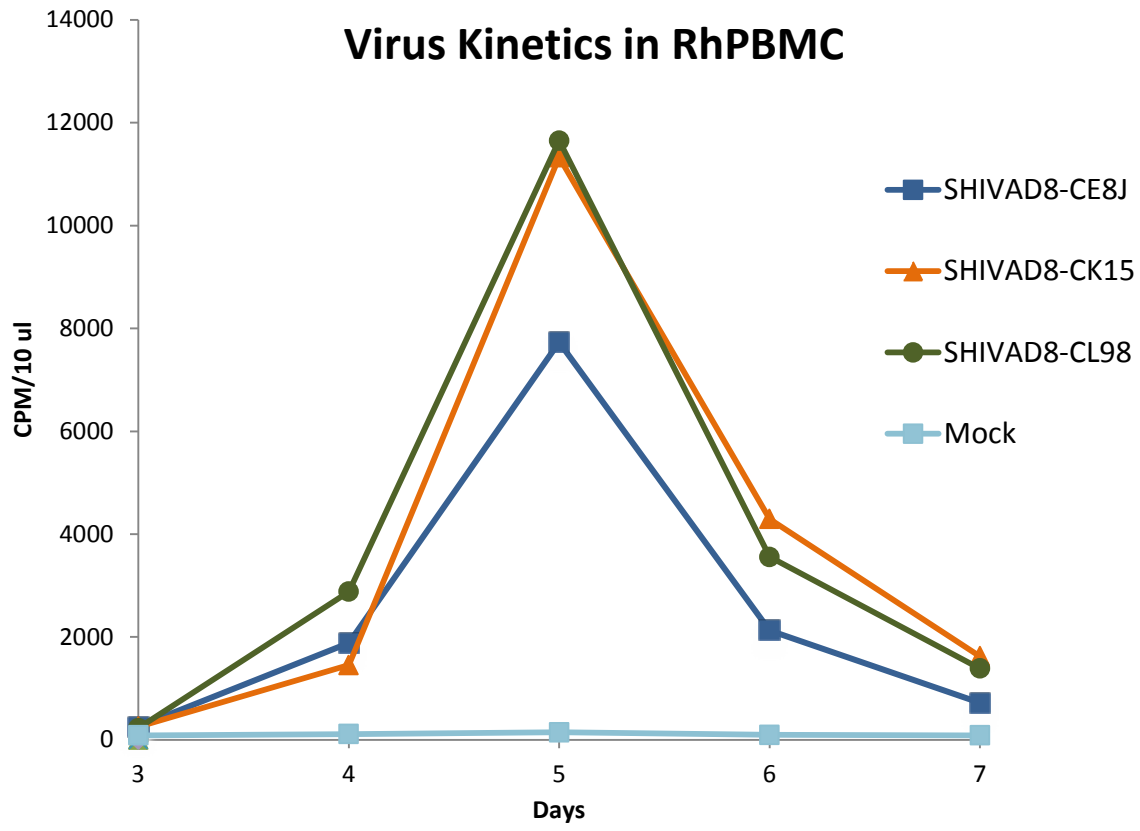
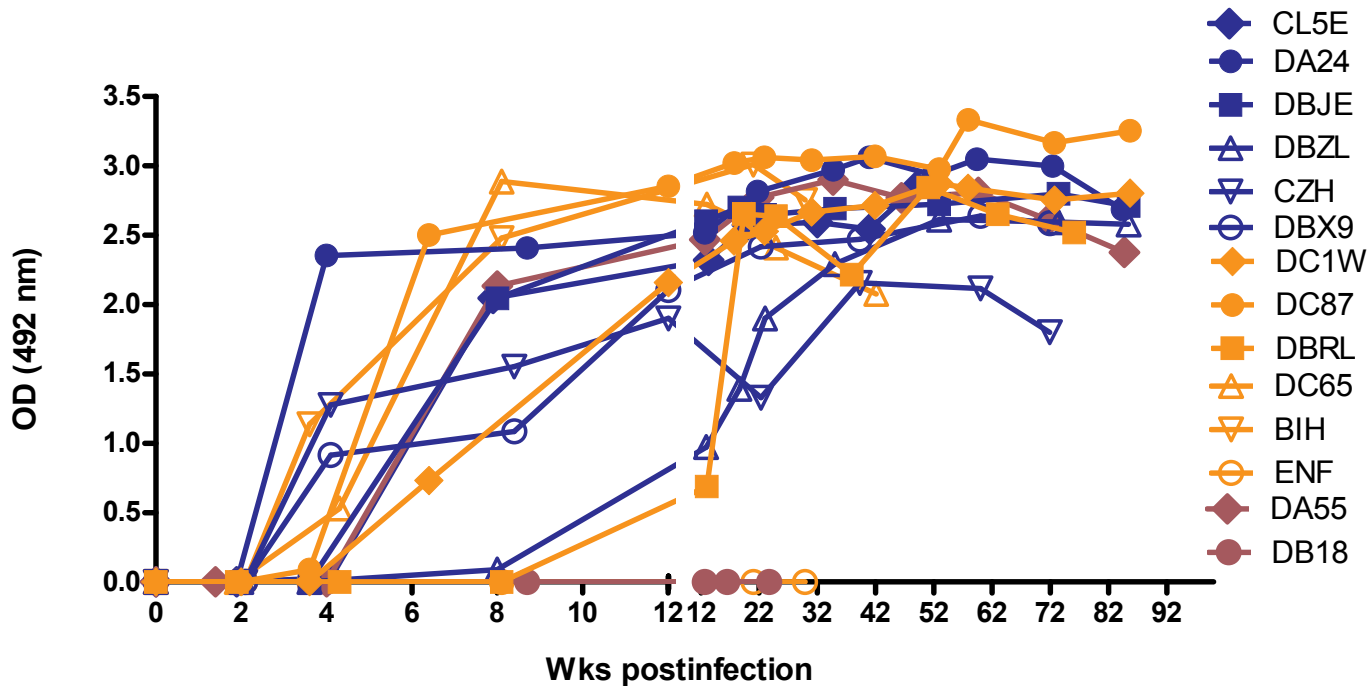


Figure S2



**Table S1.** Virus specific immune responses in SHIV<sub>AD8</sub> infected animals

Animal ID	Inoculum	PBMC collection (wk p.i.)	% TNF <sup>+</sup> and/or IFN $\gamma$ <sup>+</sup> Memory CD4 <sup>+</sup> T cells	% TNF <sup>+</sup> and/or IFN $\gamma$ <sup>+</sup> Memory CD8 <sup>+</sup> T cells
DB93	SHIV <sub>AD8-CE8J</sub>	15.3	0.70	0.43
DB1A	SHIV <sub>AD8-CE8J</sub>	45.3	0.91	1.04
DA24	SHIV <sub>AD8-CE8J</sub>	77.6	1.09	0.69
DBJE	SHIV <sub>AD8-CE8J</sub>	78.6	0.55	1.78
DBZL	SHIV <sub>AD8-CE8J</sub>	78.6	1.95	1.18
CZH	SHIV <sub>AD8-CE8J</sub>	65.0	0.89	0.00
DBX9	SHIV <sub>AD8-CE8J</sub>	65.0	1.58	1.08
CJ7D	SHIV <sub>AD8-CK15</sub>	64.3	1.57	0.58
DC1W	SHIV <sub>AD8-CK15</sub>	78.6	0.71	0.62
DBRL	SHIV <sub>AD8-CK15</sub>	69.0	1.11	0.15
A3E051	SHIV <sub>AD8-CL98</sub>	52.0	4.02	0.00
DA55	SHIV <sub>AD8-CL98</sub>	77.6	2.43	0.82
CL5B	SHIV <sub>AD8-CL98</sub>	53.6	2.41	0.38

**Table S2.** Development of autologous and heterologous Nabs in SHIV<sub>AD8</sub> infected macaques

Animal	Inoculum	TZM-bl assay [pseudotype virus (SHIV <sub>AD8</sub> Env clone)]		
		Neut assay (Weeks p.i.)	Neut response	% Neut at 1:20 plasma dilution
DB93	SHIV <sub>AD8-CE8J</sub>	22	—	
DB1A	SHIV <sub>AD8-CE8J</sub>	84	—	
CL5E	SHIV <sub>AD8-CE8J</sub>	51	—	
DA24	SHIV <sub>AD8-CE8J</sub>	41	+	65.39
DBJE	SHIV <sub>AD8-CE8J</sub>	42	+	90.04
DBZL	SHIV <sub>AD8-CE8J</sub>	42	—	
CZH	SHIV <sub>AD8-CE8J</sub>	44	—	
DBX9	SHIV <sub>AD8-CE8J</sub>	44	—	
CJ7D	SHIV <sub>AD8-CK15</sub>	86	—	
A3E050	SHIV <sub>AD8-CK15</sub>	39	—	
DC1W	SHIV <sub>AD8-CK15</sub>	58	—	
DC87	SHIV <sub>AD8-CK15</sub>	58	—	
DBRL	SHIV <sub>AD8-CK15</sub>	48	—	
DC65	SHIV <sub>AD8-CK15</sub>	48	—	
A3E051	SHIV <sub>AD8-CL98</sub>	87	—	
DA55	SHIV <sub>AD8-CL98</sub>	57	+	75.48
DB18	SHIV <sub>AD8-CL98</sub>	47	—	
CL5B	SHIV <sub>AD8-CL98</sub>	29	—	
DB0F	SHIV <sub>AD8-CL98</sub>	33	—	

Neut, neutralization