

Electronic Supplementary Material

Exploration of A Sequential Gp140-Gp145 Immunization Regimen with Heterologous Envs to Induce A Protective Cross-reactive HIV Neutralizing Antibody Response in Non-human Primates

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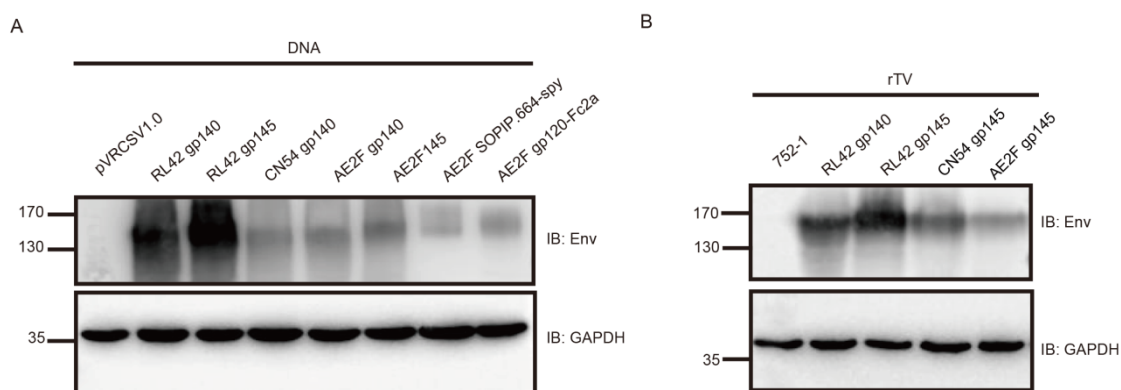


Fig. S1 Validation of DNA and TTV-vectored vaccines for immunogen expression. **(A)** DNA vaccine validation. The indicated DNA constructs were transfected into HEK293T cells and the cells were harvested 48 hrs post transfection for western blotting analysis using serum from HIV-infected individuals. **(B)** TTV-vectored vaccine validation. Vero cells were infected with the indicated TTV-vectored vaccines and harvested 48 hrs post infection for western blotting analysis using serum from HIV-infected individuals. GAPDH served as the internal control.

Animal ID	VSVG	MLV	Animal ID	VSVG	MLV	ID ₅₀ score
Rh1 ^Δ	0	0	Rh1	0	0	<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: #cccccc; margin-right: 5px;"></div> <20 <div style="width: 10px; height: 10px; background-color: #ffff00; margin-right: 5px;"></div> 20-99 <div style="width: 10px; height: 10px; background-color: #ff9900; margin-right: 5px;"></div> 100-999 <div style="width: 10px; height: 10px; background-color: #ff0000; margin-right: 5px;"></div> 1000-9999 </div>
Rh2 ^Δ	0	0	Rh2	4	1	
Rh3 ^Δ	10	12	Rh3	7	11	
Rh4 ^Δ	0	9	Rh4	6	5	
Rh5 ^Δ	3	3	Rh5	9	7	
Rh6 ^Δ	0	0	Rh6	1	3	

^Δ: Pre-immunization

Fig. S2 Measurements of pre-immune sera and immunized sera demonstrated low background of TZM-bl neutralization assay. Pre-immune sera and immunized sera collected 2 weeks after the last immunization from the same rhesus macaques in Fig. 4 were subjected to TZM-bl neutralization assay against murine leukemia virus (SVA-MLV) and VSVG virus. Data are geometric mean ID₅₀ titers from two independent experiments.