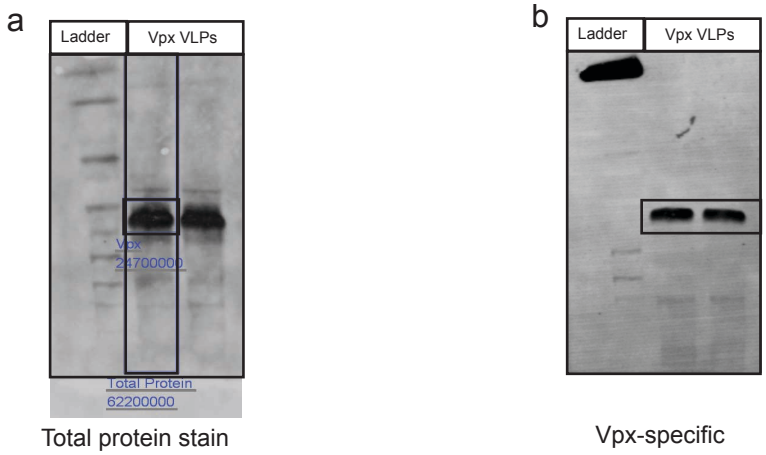
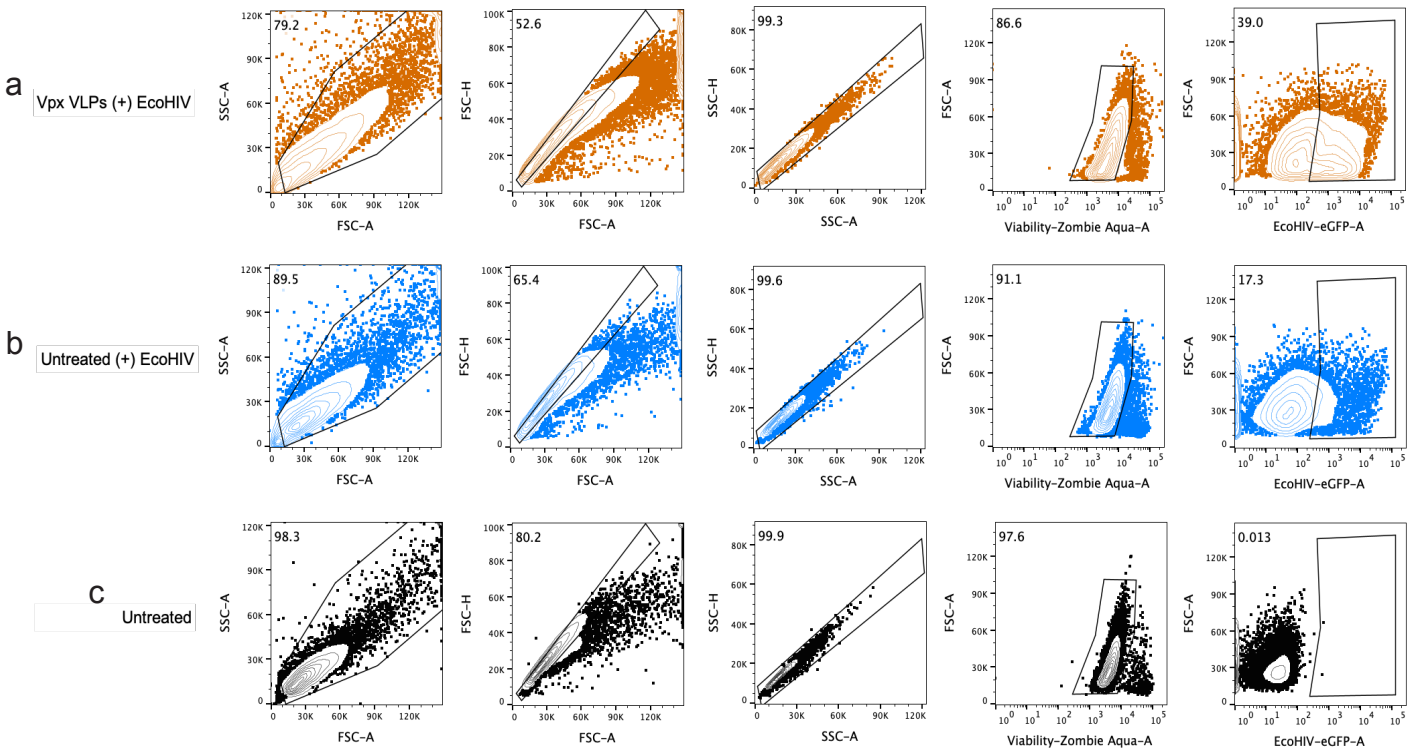


Supplementary Figure 1
Vpx VLP Quantification. Lenti-XTM 293T cells were co-transfected with SIV Vpx and VSVG plasmids to generate Vpx virus-like particles (VLPs). Vpx VLP total protein was quantified by a BCA assay. Then, 20 µg of sample was run on a western blot (WB). The Vpx-specific signal on the WB was divided by the total protein signal on the western blot to determine the %Vpx of total protein. This percentage was used to calculate the concentration of Vpx in the Vpx VLPs after conducting BCA assays. (a) Total protein western blot (b) Vpx-specific (1:1000) western blot



Supplementary Figure 2
Flow Cytometry Gating Strategy for EcoHIV Infection Model In CHME5 Microglia. The CHME5 cell line was either pre-treated or not treated with SIV-derived Vpx virus-like particles (VLPs) for 4 hours prior to EcoHIV NL4.3-eGFP infection. EcoHIV infection of CHME5 was monitored via imaging and flow cytometry on day 2 post-infection (p.i.) and followed through day 10 p.i. Viability was also monitored via flow cytometry in these cells collected from days 2-10 p.i. (a, b, c) Vpx VLP (+) EcoHIV (orange), Untreated (+) EcoHIV (blue), and Untreated (black) example gating strategies.

	BCA Assay Total Protein	Total Protein (mg/mL)/tube	Total Protein Signal WB (20 µg)	Vpx Signal Total Protein WB	%Vpx of Total Protein
Vpx VLPs	**1.55**	**0.775**	**62,193,984**	**24,748,160**	**39.79%**

Supplementary Table 1
Vpx VLP Quantification. Lenti-XTM 293T cells were co-transfected with SIV Vpx and VSVG plasmids to generate Vpx virus-like particles (VLPs). Vpx VLP total protein was quantified by a BCA assay. Then, 20 µg of sample was run on a western blot (WB). The Vpx-specific signal on the WB was divided by the total protein signal on the western blot to determine the %Vpx of total protein. This percentage was used to calculate the concentration of Vpx in the Vpx VLPs after conducting BCA assays.