Supplementary Figure N°1 Leblanc et al.
Sup Fig. 1 Recruitment of human PrP<sup>C</sup> by HIV-1.

(a) Optiprep purification of HIV-1 virions from 293TPrP<sup>C</sup>/HIV-1 transfected cells. Viral supernatants were recovered and concentrated virions were purified through a 6-18% Optiprep gradient. Fractions were analyzed by Western blotting using antibodies directed against PrP, CAp24 and cyclophilin A (Cyp A) a cellular protein known to be incorporated into HIV-1. Note that PrP<sup>C</sup> cofractionates with HIV-1 CAp24 together with cyclophilin A (fractions 14 to 19). 

(b) Immunocapture of HIV-1 virions using anti-PrP. Virions from HIV-1 and HIV-1/PrP<sup>C</sup> expressing 293T cells (normalized by CAp24 ELISA) were immunoprecipitated with magnetic beads conjugated to human IgG4 (an irrelevant antibody) or a monoclonal antibody (SAF-32) directed against PrP. After extensive washing, immunocaptured virions were lysed and CAp24 was quantified by CAp24 ELISA. As negative controls HIV-1 and HIV-1/PrP<sup>C</sup> virion preparations were immunoprecipitated with magnetic beads conjugated to anti-PrP or anti-IgG4 respectively. Results are representative of three independent experiments and show that anti-PrP antibodies can immunoprecipitate HIV-1 virions. Error bars correspond to means +/- standard deviation.

(c) Ultrathin cryosections of 293TPrP<sup>C</sup>/HIV-1 transfected cells were immunogold-labeled for PrP (PAG15) and CAp24 (PAG10) (panels c1-c3). Note the colabeling of PrP and CAp24 that decorates HIV-1 virions. (panel c4) HIV-1 virions from 293TPrP<sup>C</sup>/HIV-1 cells were concentrated on a 20% sucrose cushion and immunogold labeled for PrP (PAG15) and Envgp120 (PAG10). Scale bar 100 nm.