



**Figure S1. Determination of the VCN in hCD34+ cells transduced with various lentiviral pseudotypes.** Pre-activated hCD34+ cells were transduced 6 hours with various titers of GALVTR-LV (diamond), MLV-A-LV (square) or RD114TR-LV (triangle) in presence of Vectofusin-1 (12 $\mu$ g/ml). After 5 days, transduction efficiencies were determined by monitoring the percentage of GFP+ cells. Next, hCD34+ cell genomic DNAs were extracted and the VCN values were determined using Taqman qPCR on HIV-1 Psi sequence normalized to albumin gene expression levels. For each lentiviral pseudotype, the fitting curve and the correlation coefficient is represented.