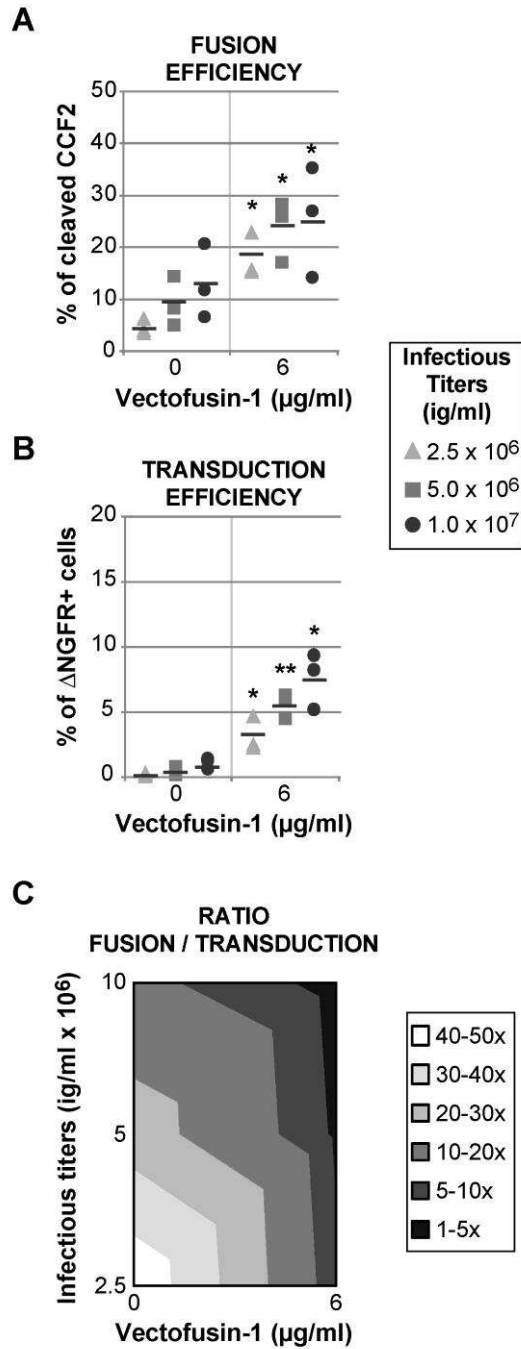


Supplementary Table S1. Six-plasmid vector system for VSV-G-BLAM-LV production

Plasmids	Function / Encoded protein	Plasmid ratio^a
pKlgagpol	HIV-1 gagpol	13
pKrev	HIV-1 rev	5
pRRL-PGK-NGFR	proviral DNA	20
pMDG	VSV-G envelope	7
pCMV4-BLAM-Vpr	BLAM-Vpr	15
pAdVAntage	PKR inhibitor	7.5

^aPlasmids ratio (μg) used for the production of VSV-G-BLAM-LV in 293 T cells for a cell culture monolayer of 175 cm^2 . BLAM, β -lactamase; LV, lentiviral vector.

SUPPLEMENTARY DATA



Supplementary Fig. S1. Influence of the infectious titers and Vectofusin-1 (6µg/ml) on the fusion/transduction (F/T) ratio in hCD34+ cells. Fusion (A) and transduction efficiencies (B) obtained for hCD34+ HSPCs isolated from three independent cord blood donors in presence of three vector doses of VSV-G-BLAM-LVs and in absence or presence of 6µg/ml of Vectofusin-1. Bars indicate the mean value of the distributions. (C) The average F/T ratio obtained for each condition from (A) and (B) have been plotted on a 2D contour chart as in Fig. 6. The lines in the contour chart delineate different F/T ratios ranging from 1-5 to 40-50 fold (** p<0.01, * p<0.05, bilateral paired Student's *t*-test).