CORRECTION

## Correction: LEDGF/p75-Independent HIV-1 Replication Demonstrates a Role for HRP-2 and Remains Sensitive to Inhibition by LEDGINs

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There are several errors in Fig 1E and its legend. The top right corner of the blot, corresponding to the upper half of the LEDGF/p75—Nalm<sup>-/-</sup>cl 1 and LEDGF/p75 –Nalm<sup>-/-</sup> cl 2 lanes are obscured. No data is obscured.

The splicing of a lane between the Nalm<sup>+/c</sup> Cl 31 and the Nalm<sup>c/c</sup> 31 cl 73 lanes in Fig 1E is not indicated. This has now been shown with a black line.

The correct Fig 1, created with the raw blot data and a black line to indicate the spliced lanes, is provided here.



## G OPEN ACCESS

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**Fig 1. Generation and validation of human LEDGF/p75 KO cell line.** (A) Scheme for *PSIP1* gene targeting by homologous recombination. The 2.3 and 2.0 kb arm indicated on the targeting plasmids enable homologous recombination and harbor a puromycin (Puro<sup>r</sup>) or hygromycin B resistance (Hyg<sup>r</sup>) cassette (c) flanked by loxP sites (arrows). Exon 11 of p52 and p75 are indicated separately as well as the IBD coding region. BamHI restriction sites are indicated (scissors). DT-A denotes the gene encoding for Diphteria toxin A. (B) Schematic overview of KO and intermediates: Nalm-6 wild-type (Nalm<sup>+/+</sup>) contains 2 *PSIP1* genes; Nalm<sup>+/c</sup> clones (cl) 31, 97, 147, contain a puromycin resistance cassette in one allele; Nalm<sup>c/c</sup> 31 cl 73, contains both a puromycin and a hygromycin B resistance cassette; after CRE-mediated excision cl 1–7 are generated and termed Nalm<sup>-/-</sup>. (C) Genomic PCR on DNA from different clones. Primer binding sites are indicated in panel A (see also Table S2). Indicated bands confirm amplification of a 1.6 kb fragment by primers D and E in full length *PSIP1* as shown in Nalm<sup>+/c</sup> and Nalm<sup>+/+</sup>, but not in Nalm<sup>-/c</sup> and Nalm<sup>-/-</sup> cl 1. (D) Southern blot on genomic DNA after BamHI digestion. Probe and restriction sites are indicated in panel A. Intact *PSIP1* generates a 16.2 kb fragment. After insertion of a resistance cassette a 7.5 kb fragment is generated, after CRE-mediated excision a 14.6 kb fragment is formed indicating KO of a 1.6 kb fragment containing exon 11–14. (E) Western blot analysis for LEDGF protein of whole cell extracts. Marker heights (right), LEDGF/p75 and LEDGF<sup>KO</sup> are indicated. Nalm-6 wild-type (Nalm<sup>+/+</sup>) contains a puromycin resistance cassette (c) in one allele; Nalm<sup>-/c</sup> 31 cl 73 contains a resistance cassette in both *PSIP1* alleles; Nalm<sup>+/c</sup> clone (cl) 31 contains a puromycin resistance cassette (c) in one allele; Nalm<sup>-/c</sup> 31 cl 73 contains a resistance cassette in both *PSIP1* alleles; Nalm<sup>-/-</sup> cl 1.4 (LE) we both alleles knocked out. The white line indicates the r

copies was evaluated for HIV-fLuc. Following transduction, cells were grown for at least 10 days to eliminate non-integrated viral DNA and analyzed by quantitative PCR. (H) HIV-1 integration site distribution analysis. Left panel shows relative number of experimentally derived HIV-1 integration events in genes according to the RefSeq annotation, versus computationally generated matched random control (MRC). The right panel shows integration events occurring  $\pm 2$  kb around CpG islands as compared with MRC. Average  $\pm$  standard deviations are shown from experiments performed at least in triplicate.

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## Reference

 Schrijvers R, De Rijck J, Demeulemeester J, Adachi N, Vets S, Ronen K, et al. (2012) LEDGF/p75-Independent HIV-1 Replication Demonstrates a Role for HRP-2 and Remains Sensitive to Inhibition by LED-GINs. PLoS Pathog 8(3): e1002558. https://doi.org/10.1371/journal.ppat.1002558 PMID: 22396646