



Figure S2 Gel electrophoresis analysis of HMW DNA and Marker II eluate fractions using QIAprep miniprep kit (Qiagen). Only one representative experiment is shown.

Lane1: 5 μ g of cellular genomic DNA extracted with phenol procedure .

Lane 3: eluate fraction of HMW DNA sample alone (5 μ g).

Lane 4: eluate fraction of Marker II alone (5 μ g). The absence of DNA fragment > 10 kb was evident.

In the lane 2 we showed eluate fraction of a DNA pool of 2.5 μ g of DNA plus an equal amount of Marker II to better simulate an HIV-1 infected sample. Only DNA <10 kb (about genome size of HIV-1) was recovered.

All eluate fractions show the absence of DNA fragments > 10 Kb.

The images were acquired using a Gel Doc TM 1000 Video Gel Documentation System with Molecular Analysts software version 2.1 (Bio-Rad, Hercules, CA, USA), exceeding the saturation to better reveal the rate of DNA degradation.