**Supplementary Figure 1**

**LoViReT**
- n=22
- <100 HIV-DNA copies/10^6 CD4 cells
- PBMCs
- Plasma
- n=14
- Leukapheresis
- <0.1 IUPM
- Rectal and lymph node biopsies
- n=9

**Controls**
- n=22
- >100 HIV-DNA copies/10^6 CD4 cells
- PBMCs
- Plasma
- n=14
- Leukapheresis
- >0.1 IUPM
- Rectal and lymph node biopsies
- n=9

**Determinations**
- Total HIV-DNA
- Intact provirus
- Cell-associated HIV-RNA
- Ultrasensitive viral load
- Host factors

*Matched for 17 clinical factors*
Supplementary Figure 2

(a) Allele frequency (%)

- B*27+B*57: 0.27
- B*35+B*07: 0.07

(b) CCR5 wt/Δ32 frequency (%)

- LoViReT: >0.99
- Control: