Additional file 1. CD4 T cell subpopulations were separated with at least 90% purity. Single CD4 lymphocytes were sub-gated into maturation subpopulations according to the expression of CCR7 and CD45RA. (A) Subpopulations among PBMCs previous to purification. (B) Purified T_N, naive CD4 T cells. (C) Purified T_{CM}, central memory CD4 T cells. (D) T_{EM}, effector memory CD4 T cells. Each subpopulation sample was obtained from a single HIV patient or healthy control with a purity of at least 90%. Gates were delineated using an FMO control for CCR7.