

Supplementary Table 1

| | HIV 1 | HIV 2 | HIV 3 | Uninfected 1 | Uninfected 2 |
|-----------------------------------|--------------|---------------|--------------|---------------------|---------------------|
| Age | 51 | 33 | 47 | 49 | 59 |
| Sex | Male | Male | Male | Male | Male |
| Nadir CD4 | unknown | 78 | 397 | - | - |
| History of substance use disorder | Yes | No | Yes | Yes | Yes |
| History of alcohol use disorder | Yes | No | Yes | No | Yes |
| History of smoking | Former | Never | Current | Current | Unknown |
| current CD4+ cells/mL | 391 | 424 | 967 | 922 | 775 |
| HIV RNA plasma copies/mL | not detected | <20 | <20 | - | - |
| HIV RNA CSF copies/mL | not detected | 99 | 38 | - | - |
| CSF cell count, cells/uL | 1 | 3 | 1 | 0 | 4 |
| CSF protein mg/dL | 42 | 20 | 25 | 26 | 53 |
| CSF albumin mg/dL | 22 | 11.3 | 13.8 | 17.4 | 40.9 |
| CSF neopterin nmol/L | 18.5 | 10.5 | 11.5 | 6.1 | 5.7 |
| Plasma neopterin nmol/L | 11.705 | 7.8 | 20.8 | 7.5 | 9.8 |
| Neurological complaint | none | spastic gait | none | none | none |
| NP Total Z-score | -1.38 | -1.06 | -0.34 | -1.85 | -0.36 |
| Current ART regimen | ABC-3TC-DTG | TDF-DRV-c-DTG | TDF-FTC-RPV | - | - |
| Hepatitis C status | cured | negative | negative | positive | cured |

Supplementary Table 2. Genes whose expression is up-regulated in Myeloid-2 compared to the four other myeloid subsets (FDR<0.01)

| | |
|-----------|----------|
| APOC1 | GATM |
| APOE | GGTA1P |
| ARHGAP18 | HAVCR2 |
| AXL | HLA-DMA |
| BHLHE41 | HLA-DMB |
| C1QA | HLA-DPA1 |
| C1QB | HLA-DPB1 |
| C1QC | HLA-DQA1 |
| C3 | HLA-DRA |
| CCR5 | HLA-DRB1 |
| CD14 | HSPB1 |
| CD74 | IL18 |
| CHCHD3 | LYVE1 |
| COLEC12 | MAF |
| CTSB | MARCO |
| CTSL | MIR4426 |
| CTTNBP2NL | MSR1 |
| CYFIP1 | OLR1 |
| DAB2 | PTMS |
| DOCK4 | RB1 |
| DPYSL2 | RNASE1 |
| EEF1A1 | SCIN |
| EEF1B2 | SELENOP |
| EPB41L2 | SLC2A5 |
| F13A1 | TMSB10 |
| FAU | TPT1 |
| FCGBP | TREM2 |
| FOLR2 | VAMP8 |
| FSCN1 | VSIG4 |
| FTL | ZFHX3 |

Supplementary Figure 1.
Gene expression for canonical marker genes, overlaid on the tSNE visualization.

