

Table 2. Genes stimulated by LPS according to experimental group

| | | | LPS |
|--|----------------|--|-----|
| <u>Specific to normal volunteers only</u> | | | |
| Hs.118110 | BST2 | Bone marrow stromal cell antigen 2 | ↑ |
| Hs.5353 | 843 CASP10 | CASPASE-10 | ↓ |
| Hs.1799 | 912 CD1D | CD1d molecule | ↓ |
| Hs.9688 | 11314 CMRF-35H | leukocyte membrane antigen | ↓ |
| Hs.558446 | 10219 KLRG1 | Killer cell lectin-like receptor subfamily G, member 1 | ↓ |
| Hs.521903 | 4061 LY6E | Lymphocyte antigen 6 complex, locus E | ↑ |
| Hs.523847 | 2537 IFI6 | Interferon, alpha-inducible protein 6 | ↑ |
| Hs.436836 | 4599 MX1 | MxA=interferon-induced cellular resistance mediator protein | ↑ |
| <u>Shared by all experimental groups</u> | | | |
| Hs.276770 | 1043 CD52 | CD52 molecule | ↓ |
| Hs.2128 | 1847 DUSP5 | DUSP5=dual specificity phosphatase 5 | ↑ |
| Hs.406708 | 23547 LILRA4 | Leukocyte immunoglobulin-like receptor, subfamily A, member 4 | ↑ |
| Hs.474781 | 4689 NCF4 | Neutrophil cytosolic factor 4, 40kDa | ↓ |
| | PDGFRB | platelet-derived growth factor receptor, b polypeptide | ↑ |
| | IFI35 | interferon-induced protein 35 | ↑ |
| Hs.458414 | 10581 IFITM1 | Interferon-inducible protein 9-27 | ↑ |
| Hs.458414 | 10581 IFITM2 | Interferon induced transmembrane protein 2 (1-8D) | ↑ |
| Hs.166120 | IRF7 | Interferon regulatory factor 7 | ↑ |
| <u>Specific to HIV patients</u> | | | |
| Hs.838 | 941 CD80 | CD80=B7-1=CD28 and CTLA-4 counter-receptor 1 | ↑ |
| Hs.528402 | 3600 IL15 | IL-15 | ↑ |
| Hs.12503 | 3601 IL15RA | IL-15 receptor alpha chain | ↑ |
| Hs.76364 | 199 AIF1 | allograft-inflammatory factor-1=IFN g induced macrophage protein | ↓ |
| <u>Specific to HIV patients high viral load</u> | | | |
| Hs.174944 | 952 CD38 | CD38 | ↑ |
| Hs.246381 | 968 CD68 | CD68 | ↓ |
| Hs.97199 | 22918 CD93 | CD93 molecule | ↑ |
| Hs.298654 | 1848 DUSP6 | Dual specificity phosphatase 6 | ↓ |
| | IL13RA1 | interleukin 13 receptor, alpha 1 | ↓ |
| Hs.375957 | 3689 ITGB2 | CD18=Integrin beta 2=leukocyte adhesion protein beta subunit | ↓ |
| Hs.436066 | 7940 LST1 | Leukocyte specific transcript 1 | ↓ |
| Hs.83169 | 4312 MMP1 | Matrix metalloproteinase 1 (interstitial collagenase) | ↑ |
| Hs.54673 | 8741 TNFSF13 | Tumor necrosis factor (ligand) superfamily, member 13 | ↓ |
| | TRAF2 | TNF receptor-associated factor 2 | ↑ |
| Hs.9963 | 7305 TYROBP | TYRO protein tyrosine kinase binding protein | ↓ |
| Hs.351279 | 3108 HLA-DMA | MHC Class II=DM alpha | ↓ |
| Hs.534322 | 3123 HLA-DRB1 | Major histocompatibility complex, class II, DR beta 1 | ↓ |
| Hs.654406 | 3126 HLA-DRB4 | Major histocompatibility complex, class II, DR beta 4 | ↓ |
| Hs.20315 | 3434 IFIT1 | Interferon-induced 56-KDa protein | ↑ |
| Hs.437609 | 3433 IFIT2 | Interferon-induced protein with tetratricopeptide repeats 2 | ↑ |
| | ISG20 | interferon stimulated gene (20kD) | ↑ |
| <u>Specific to HIV patients low viral load</u> | | | |
| Hs.656286 | 6359 CCL15 | Chemokine (C-C motif) ligand 15 | ↑ |
| Hs.89690 | 2921 CXCL3 | GRO3=GRO gamma=MIP2 b=macrophage inflammatory protein-2 b | ↑ |
| Hs.25333 | IL1R2 | Interleukin 1 receptor, type II | ↓ |
| Hs.75182 | 4360 MRC1 | mannose receptor, C type 1 | ↓ |
| Hs.14623 | 10437 IFI30 | Interferon, gamma-inducible protein 30 | ↓ |
| Hs.926 | 4600 MX2 | MxB=interferon-induced cellular resistance mediator protein | ↑ |
| Hs.414332 | 4939 OAS2 | 2'-5'-oligoadenylate synthetase 2, 69/71kDa | ↑ |