**Supplemental digital content 11.** Correlation between cytokine levels and HLA-DR+CD38+ expression on CD4+ T and CD8+ T cells of HIV-infected patients with detectable viral load (HIV/DET), undetectable viral load (HIV/UND) and CONTROL groups

|  |  |  |
| --- | --- | --- |
|  | **HLA-DR+CD38+CD4+ T cells** | **HLA-DR+CD38+CD8+ T cells** |
| **HIV/DET** | **HIV/UND** | **CONTROL** | **HIV/DET** | **HIV/UND** | **CONTROL** |
| **Cytokines** | **r** | **p\*** | **r** | **p\*** | **r** | **p\*** | **r** | **p\*** | **r** | **p\*** | **r** | **p\*** |
| ITAC | -0.056 | 0.869 | 0.183 | 0.467 | -0.334 | 0.072 | 0.420 | 0.177 | -0.329 | 0.182 | -0.343 | 0.063 |
| GM-CSF | -0.231 | 0.471 | 0.105 | 0.677 | -0.280 | 0.134 | -0.028 | 0.939 | -0.082 | 0.747 | -0.233 | 0.216 |
| Fractalkine | -0.021 | 0.956 | 0.026 | 0.919 | -0.003 | 0.986 | 0.455 | 0.140 | -0.595 | **0.009** | 0.017 | 0.927 |
| IFN gamma | -0.203 | 0.528 | 0.147 | 0.562 | -0.272 | 0.145 | 0.014 | 0.974 | -0.242 | 0.333 | -0.281 | 0.132 |
| IL-10 | -0.601 | **0.043** | 0.156 | 0.537 | -0.144 | 0.448 | -0.413 | 0.184 | -0.001 | 0.997 | -0.046 | 0.811 |
| MIP3 alpha | -0.790 | **0.003** | -0.125 | 0.622 | -0.045 | 0.812 | -0.392 | 0.210 | -0.466 | 0.051 | 0.011 | 0.953 |
| IL-12 | -0.274 | 0.386 | 0.161 | 0.522 | -0.032 | 0.867 | 0.039 | 0.908 | -0.172 | 0.496 | 0.184 | 0.331 |
| IL-13 | -0.179 | 0.576 | 0.099 | 0.695 | -0.283 | 0.129 | 0.077 | 0.812 | 0.000 | 1.000 | -0.260 | 0.165 |
| IL-17A | -0.673 | **0.019** | 0.133 | 0.598 | 0.106 | 0.577 | -0.627 | **0.033** | -0.277 | 0.266 | 0.011 | 0.953 |
| IL-1 beta | 0.011 | 0.978 | 0.069 | 0.785 | -0.153 | 0.419 | 0.119 | 0.711 | -0.438 | 0.069 | 0.007 | 0.969 |
| IL-2 | -0.252 | 0.430 | 0.159 | 0.528 | 0.219 | 0.245 | 0.056 | 0.869 | -0.369 | 0.132 | 0.276 | 0.140 |
| IL-21 | -0.294 | 0.355 | 0.267 | 0.283 | -0.023 | 0.905 | -0.203 | 0.528 | -0.211 | 0.401 | 0.129 | 0.498 |
| IL-4 | -0.190 | 0.555 | 0.045 | 0.858 | 0.069 | 0.716 | 0.190 | 0.555 | -0.123 | 0.626 | 0.110 | 0.561 |
| IL-23 | -0.273 | 0.391 | 0.133 | 0.598 | 0.028 | 0.883 | -0.126 | 0.700 | -0.312 | 0.207 | -0.104 | 0.583 |
| IL-5 | -0.259 | 0.417 | -0.032 | 0.900 | -0.038 | 0.843 | -0.021 | 0.956 | -0.132 | 0.601 | -0.081 | 0.670 |
| IL-6 | 0.154 | 0.635 | 0.273 | 0.274 | 0.160 | 0.399 | 0.252 | 0.430 | -0.257 | 0.302 | 0.090 | 0.637 |
| IL-7 | 0.091 | 0.783 | -0.302 | 0.223 | -0.137 | 0.470 | 0.413 | 0.184 | -0.490 | **0.039** | -0.174 | 0.358 |
| IL-8 | -0.392 | 0.210 | 0.211 | 0.401 | 0.055 | 0.774 | -0.105 | 0.749 | -0.214 | 0.394 | 0.207 | 0.273 |
| MIP-1 alpha | -0.329 | 0.297 | 0.290 | 0.243 | -0.266 | 0.155 | -0.105 | 0.749 | -0.228 | 0.362 | -0.215 | 0.255 |
| MIP-1 beta | -0.469 | 0.128 | 0.075 | 0.766 | -0.121 | 0.526 | -0.217 | 0.499 | -0.244 | 0.329 | -0.135 | 0.477 |
| TNF alpha | -0.354 | 0.258 | 0.168 | 0.505 | 0.032 | 0.865 | 0.000 | 1.004 | -0.236 | 0.347 | 0.032 | 0.865 |
| \*Spearman´s rank correlation |