**Supplemental Table 1**. CD4 T cell count (cells/mm3), plasma TRAILshort concentration (MFI), and plasma soluble TRAIL (sTRAIL) concentration (NPX) for participants in Figure 1 panels I and L.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Participant | Group | CD4 T-cell count | Plasma TRAILshort | CD4 normalised TRAILshort | Plasma sTRAIL | CD4 normalised sTRAIL |
| P09T0 | CHI | 215 | 133 | 0.62 | 195.5 | 0.909 |
| P10T0 | CHI | 250 | 147 | 0.59 | 268.2 | 1.073 |
| P12T0 | CHI | 460 | 181 | 0.39 | 212.7 | 0.462 |
| P15T0 | CHI | 90 | 150 | 1.67 | 177.1 | 1.968 |
| P16T0 | CHI | 530 | 170 | 0.32 | 106.4 | 0.201 |
| P17T0 | CHI | 290 | 210 | 0.72 | 213.2 | 0.735 |
| P19T0 | CHI | 310 | 138 | 0.44 | 188.1 | 0.607 |
| P20T0 | CHI | 240 | 141 | 0.59 | 193.5 | 0.806 |
| P22T0 | CHI | 300 | 1069 | 3.56 | 212.1 | 0.707 |
| P23T0 | CHI | 640 | 442 | 0.69 | 106.4 | 0.166 |
| P24T0 | CHI | 130 | 142 | 1.09 | 254.1 | 1.954 |
| P28T0 | CHI | 440 | 132 | 0.30 | 318.0 | 0.723 |
| P29T0 | CHI | 330 | 128 | 0.39 | 176.5 | 0.535 |
| P30T0 | CHI | 830 | 210 | 0.25 | 153.6 | 0.185 |
| P32T0 | CHI | 440 | 101 | 0.23 | 130.6 | 0.297 |
| P33T0 | CHI | 340 | 103 | 0.30 | 130.8 | 0.385 |
| P35T0 | CHI | 450 | 114 | 0.25 | 172.9 | 0.384 |
| P36T0 | CHI | 431 | 176 | 0.41 | 214.1 | 0.497 |
| P37 | CHI | 220 | 279 | 1.27 | 370.5 | 1.684 |
| P38T0 | CHI | 170 | 168 | 0.99 | 266.8 | 1.569 |
| P39T0 | CHI | 100 | 407 | 4.07 | 138.4 | 1.384 |
| P40T0 | CHI | 490 | 172 | 0.35 | 204.6 | 0.417 |
| P41T0 | CHI | 540 | 473 | 0.88 | 177.3 | 0.328 |
| PHI01T00 | PHI | 879 | 181 | 0.21 | 131.1 | 0.149 |
| PHI02T00 | PHI | 926 | 187 | 0.20 | 92.1 | 0.099 |
| PHI03T00 | PHI | 504 | 400 | 0.79 | 128.9 | 0.256 |
| PHI04T00 | PHI | 183 | 386 | 2.11 | 219.8 | 1.201 |
| PHI05T00 | PHI | 360 | 224 | 0.62 | 185.9 | 0.516 |
| PHI06T00 | PHI | 640 | 392 | 0.61 | 159.8 | 0.250 |
| PHI07T00 | PHI | 610 | 326 | 0.53 | 118.9 | 0.195 |
| PHI08T00 | PHI | 530 | 187 | 0.35 | 224.3 | 0.423 |
| PHI09T00 | PHI | 440 | 238 | 0.54 | 228.7 | 0.520 |
| PHI10T00 | PHI | 850 | 161 | 0.19 | 221.3 | 0.260 |
| PHI11T00 | PHI | 280 | 146 | 0.52 | 184.3 | 0.658 |
| PHI12T00 | PHI | 259 | 164 | 0.63 | 126.7 | 0.489 |
| PHI13T00 | PHI | 280 | 211 | 0.75 | 153.9 | 0.550 |
| PHI14T00 | PHI | 370 | 161 | 0.44 | 223.9 | 0.605 |
| PHI15T00 | PHI | 460 | 206 | 0.45 | 161.5 | 0.351 |
| ART01 | lART | 1140 | 195 | 0.17 | 217.9 | 0.191 |
| ART02 | lART | 780 | 150 | 0.19 | 213.3 | 0.273 |
| ART03 | lART | 710 | 332 | 0.47 |  |  |
| ART04 | lART | 490 | 170 | 0.35 | 132.8 | 0.271 |
| ART05 | lART | 420 | 177 | 0.42 | 236.2 | 0.562 |
| ART06 | lART | 610 | 171 | 0.28 |  |  |
| ART07 | lART | 550 | 199 | 0.36 | 145.0 | 0.264 |
| ART08 | lART | 530 | 158 | 0.30 | 201.6 | 0.380 |
| ART09 | lART | 490 | 600 | 1.22 | 140.5 | 0.287 |
| ART10 | lART | 470 | 475 | 1.01 | 250.2 | 0.532 |
| ART11 | lART | 479 | 146 | 0.30 | 230.4 | 0.481 |
| ART12 | lART | 550 | 204 | 0.37 | 181.0 | 0.329 |
| ART13 | lART | 550 | 180 | 0.33 | 124.9 | 0.227 |
| ART14 | lART | 700 | 196 | 0.28 | 184.5 | 0.264 |
| ART15 | lART | 570 | 152 | 0.27 | 239.3 | 0.420 |
| ART16 | lART | 430 | 179 | 0.42 |  |  |
| ART17 | lART | 852 | 196 | 0.23 | 266.8 | 0.313 |
| ART18 | lART | 430 | 167 | 0.39 |  |  |
| ART19 | lART | 570 | 193 | 0.34 | 193.9 | 0.340 |
| EC01 | EC | 550 | 132 | 0.24 | 159.3 | 0.290 |
| EC02 | EC | 955 | 187 | 0.20 | 131.3 | 0.137 |
| EC03 | EC | 653 | 153 | 0.23 | 281.9 | 0.432 |
| EC04 | EC | 765 | 684 | 0.89 | 175.9 | 0.230 |
| EC05 | EC | 755 | 198 | 0.26 |  |  |
| EC06 | EC | 645 | 525 | 0.81 | 202.5 | 0.314 |
| EC07 | EC | 1258 | 216 | 0.17 | 164.8 | 0.131 |
| EC08 | EC | 730 | 132 | 0.18 |  |  |
| EC09 | EC | 1040 | 173 | 0.17 | 164.4 | 0.158 |
| EC10 | EC | 714 | 383 | 0.54 | 282.3 | 0.395 |
| EC11 | EC | 673 | 167 | 0.25 | 133.5 | 0.198 |
| EC12 | EC | 930 | 156 | 0.17 | 219.8 | 0.236 |
| EC13 | EC | 959 | 182 | 0.19 | 159.2 | 0.166 |
| EC14 | EC | 995 | 214 | 0.22 |  |  |
| EC15 | EC | 947 | 151 | 0.16 |  |  |
| EC16 | EC | 606 | 174 | 0.29 | 187.1 | 0.309 |
| EC17 | EC | 1096 | 174 | 0.16 | 277.6 | 0.253 |
| EC18 | EC | 1334 | 187 | 0.14 | 216.3 | 0.162 |
| EC19 | EC | 1320 | 145 | 0.11 | 204.4 | 0.155 |

Abbreviations - CHI: chronic HIV infection; EC: elite controller; lART: long term antiretroviral therapy treated; MFI: median fluorescence intensity; NPX: normalized protein expression; PHI: primary HIV infection. Normalized TRAILshort and sTRAIL calculated as MFI/CD4 T cell count, or NPX/CD4 T cell count, respectively.