**Table S4.** Phyla level bacterial microbiome composition in control and HIV samples

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Taxon** | **Control** |  | **HIV** |  |
|  | **Mean** | **SD** | **Mean** | **SD** |
| k\_\_Bacteria;p\_\_Acidobacteria | 0.0000 | 0.0001 | 0.0001 | 0.0002 |
| k\_\_Bacteria;p\_\_Actinobacteria | 0.0008 | 0.0023 | 0.0010 | 0.0023 |
| k\_\_Bacteria;p\_\_Bacteroidetes | 0.2860 | 0.1793 | 0.2120 | 0.1922 |
| k\_\_Bacteria;p\_\_Chloroflexi | 0.0001 | 0.0008 | 0.0000 | 0.0000 |
| k\_\_Bacteria;p\_\_Cyanobacteria | 0.0011 | 0.0026 | 0.0003 | 0.0008 |
| k\_\_Bacteria;p\_\_Elusimicrobia | 0.0000 | 0.0000 | 0.0001 | 0.0002 |
| k\_\_Bacteria;p\_\_Firmicutes | 0.6349 | 0.1730 | 0.3740 | 0.2729 |
| k\_\_Bacteria;p\_\_Fusobacteria | 0.0154 | 0.0664 | 0.0096 | 0.0285 |
| k\_\_Bacteria;p\_\_PAUC34f | 0.0000 | 0.0003 | 0.0000 | 0.0000 |
| k\_\_Bacteria;p\_\_Planctomycetes | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| k\_\_Bacteria;p\_\_Proteobacteria | 0.0529 | 0.0998 | 0.3288 | 0.3671 |
| k\_\_Bacteria;p\_\_SBR1093 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| k\_\_Bacteria;p\_\_Spirochaetes | 0.0000 | 0.0000 | 0.0738 | 0.2404 |
| k\_\_Bacteria;p\_\_Synergistetes | 0.0003 | 0.0022 | 0.0001 | 0.0003 |
| k\_\_Bacteria;p\_\_TM7 | 0.0000 | 0.0000 | 0.0000 | 0.0003 |
| k\_\_Bacteria;p\_\_Tenericutes | 0.0001 | 0.0005 | 0.0001 | 0.0005 |
| k\_\_Bacteria;p\_\_Verrucomicrobia | 0.0083 | 0.0261 | 0.0003 | 0.0013 |