**Table S1\_supplementary data.**

Study population characteristics of HIV infected patients.

|  |  |  |  |
| --- | --- | --- | --- |
|  | | |  |
| **Oral Swabs** | HIV + | Total patients | 55 |
| CD4 T cell\* | 532.3 ±275.6 |
| Viral load^ | 169.0±130.0 |
| Age° | 46  (range 26-65) |
|  |  |  |
| **Anal Swabs** | HIV+ | **Total patients** | 186 |
| **CD4 T cell** | 690.7 ±343.9 |
| **HIV RNA** | Not detected(n=104) |
|  |
| Detected (n=82)  320.7 ±809.4 |
| **Age** | 42  (range 23-68) |
| **Cervical Swabs** | HIV+ | **Total Patients** | 43 |
|  |  | **CD4 T cell** | 539.8 ±230.3 |
|  |  | **HIV RNA** | Not detected (n=23) |
|  |  |  | Detected (n=20)  550.0 ±100.6 |
|  |  | **Age** | 41  (range 24-64) |

\*Mean (±standard deviation) expressed as cells/µL; ^ mean (±standard deviation) expressed as copies/mL; °median value (range); n, number.