**Supplemental Table**. Demographics, clinical characteristics, and post-D1 and -D2 anti-SARS-CoV-2 RBD antibody titers of 14 PWH on antiretroviral therapy who underwent two-dose SARS-CoV-2 mRNA vaccination

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Participant** | **Age** | **Sex** | **Race** | **Viral load** | **CD4 count**(cells/mm3) | **Vaccine manufacturer** | **Days from D1 to T11** | **T11** (U/mL) | **Days from D2 to T21** | **T21**(U/mL) |
| 1 | 61 | Male | White | Undetectable | <200 | Moderna | 27 | 2 | 27 | 239 |
| 2 | 75 | Male  | White | Undetectable | <200 | Moderna  | 21 | 3 | 30 | >250 |
| 3 | 64 | Male | White | Undetectable | 350-499 | Pfizer/BioNTech | 19 | 5 | 32 | >250 |
| 4 | 55 | Male  | White | Undetectable | 350-499 | Pfizer/BioNTech | 20 | 8 | 28 | >250 |
| 5 | 68 | Male  | Asian | Undetectable | ≥500 | Moderna  | 24 | 66 | 28 | >250 |
| 6 | 33 | Male  | White | Undetectable | ≥500 | Pfizer/BioNTech | 16 | 85 | 29 | >250 |
| 7 | 72 | Male  | White | Undetectable | 350-499 | Moderna  | 27 | 138 | 33 | >250 |
| 8 | 56 | Male  | White | Undetectable | ≥500 | Moderna  | 27 | 149 | 28 | >250 |
|   92 | 58 | Male  | White | Detectable | ≥500 | Pfizer/BioNTech | 14 | 235 | 34 | >250 |
| 10 | 70 | Male  | White | Undetectable | 200-349 | Pfizer/BioNTech | 15 | >250 | 35 | >250 |
| 11 | 56 | Male | White | Undetectable | ≥500 | Moderna | - | - | 28 | >250 |
| 12 | 70 | Female | White | Undetectable | ≥500 | Moderna | - | - | 28 | >250 |
| 13 | 59 | Male | Multi-racial | Undetectable | ≥500 | Moderna | - | - | 27 | >250 |
| 14 | 65 | Male | White | Undetectable | ≥500 | Moderna | - | - | 30 | >250 |

1. D1 (dose 1) and D2 (dose 2) indicate the first and second dose of the SARS-CoV-2 mRNA vaccine; T1 (titer 1) and T2 (titer 2) indicate anti- SARS-CoV-2 RBD titers measured before and one month after the second dose. Dash symbol (-) indicates data not collected.

2. Viral load of participant 9 was reported as 35 copies/mL; specific viral loads were not otherwise measured.