**Supplementary Table 1: Number of specific mutations for individuals with at least one ART naïve nucleotide sequence within one year of testing positive for HIV in the ART era using CASCADE data of HIV seroconverters**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Mutation | Frequency |  | Mutation | Frequency |  | Mutation | Frequency |
| **NRTIs** | 280 |  | **NNRTIs** | 185 |  | **PIs** | 144 |
| 41L | 91 |  | 103N | 119 |  | 90M | 39 |
| 215S | 61 |  | 190A | 16 |  | 46I | 31 |
| 215D | 41 |  | 181C | 13 |  | 46L | 26 |
| 184V | 34 |  | 188L | 11 |  | 82A | 16 |
| 67N | 30 |  | 225H | 10 |  | 85V | 15 |
| 210W | 28 |  | 103S | 8 |  | 54V | 13 |
| 219Q | 27 |  | 190S | 7 |  | 30N | 13 |
| 77L | 18 |  | 101E | 7 |  | 88D | 9 |
| 215E | 16 |  | 100I | 6 |  | 82L | 6 |
| 70R | 16 |  | 101P | 6 |  | 53L | 6 |
| 215C | 15 |  | 106A | 5 |  | 73S | 6 |
| 215Y | 15 |  | 230L | 3 |  | 47V | 5 |
| 65R | 8 |  | 190E | 2 |  | 83D | 4 |
| 67G | 8 |  | 188C | 1 |  | 24I | 4 |
| 184I | 7 |  | 188H | 1 |  | 32I | 4 |
| 215F | 7 |  | 106M | 1 |  | 84V | 3 |
| 69D | 7 |  | 179F | 1 |  | 54L | 3 |
| 219N | 5 |  | 181I | 1 |  | 88S | 2 |
| 115F | 5 |  | 181V | 1 |  | 54M | 2 |
| 219E | 4 |  |  |  |  | 73C | 2 |
| 219R | 4 |  |  |  |  | 50V | 2 |
| 74V | 4 |  |  |  |  | 76V | 1 |
| 74I | 3 |  |  |  |  | 82T | 1 |
| 215I | 2 |  |  |  |  | 82F | 1 |
| 215V | 2 |  |  |  |  | 50L | 1 |
| 116Y | 2 |  |  |  |  | 53Y | 1 |
| 69 | 1 |  |  |  |  | 54A | 1 |
| 75A | 1 |  |  |  |  | 73T | 1 |
| 151M | 1 |  |  |  |  | 23I | 1 |
| 67E | 1 |  |  |  |  | 47A | 1 |

Abbreviations: NRTIs **=** Nucleoside Reverse Transcriptase Inhibitors; NNRTIs = Non-Nucleoside Reverse Transcriptase Inhibitors (NNRTIs); PIs = Protease Inhibitor