**Supporting information**

**Table 1.** Individual clinical, demographic, and serological information for each participant of the study.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group (n)** | **Subgroup**  **(n)** | **Participant ID** | **Gender** | **Age (years)** | **Time of sample collection (days after vaccination or symptom onset)** | **nAb titers against 17DD YFV (PRNT50 reciprocal dilution)** | **nAb titers against WT YFV**  **(PRNT50 reciprocal dilution)** | **Time of second sample collection (days after symptom onset)** | **Second sample nAb titers against 17DD YFV (PRNT50 reciprocal dilution)** | **Second sample nAb titers against WT YFV**  **(PRNT50 reciprocal dilution)** |
| Vacinees | N/A | VAC 198 | Male | 59 | 36 | 2560 | 640 | N/A | N/A | N/A |
| VAC 201 | Male | 36 | 41 | 2560 | 640 | N/A | N/A | N/A |
| VAC 204 | Male | 40 | 34 | 1280 | 80 | N/A | N/A | N/A |
| VAC 209 | Male | 32 | 32 | 10240 | 5120 | N/A | N/A | N/A |
| VAC 216 | Female | 22 | 34 | 2560 | 160 | N/A | N/A | N/A |
| VAC 218 | Male | 29 | 34 | 2560 | 160 | N/A | N/A | N/A |
| VAC 221 | Female | 30 | 31 | 10240 | 1280 | N/A | N/A | N/A |
| VAC 228 | Male | 27 | 36 | 2560 | 80 | N/A | N/A | N/A |
| VAC 229 | Male | 29 | 31 | 1280 | 320 | N/A | N/A | N/A |
| VAC 196 | Male | 35 | 42 | 2560 | 320 | N/A | N/A | N/A |
| VAC 200 | Male | 34 | 41 | 5120 | 1280 | N/A | N/A | N/A |
| VAC 207 | Female | 30 | 33 | 1280 | 640 | N/A | N/A | N/A |
| VAC 211 | Male | 42 | 45 | 5120 | 2560 | N/A | N/A | N/A |
| VAC 219 | Female | 29 | 47 | 2560 | 640 | N/A | N/A | N/A |
| VAC 227 | Female | 21 | 36 | 5120 | 640 | N/A | N/A | N/A |
| VAC 257 | Not informed | 42 | 49 | 10240 | 5120 | N/A | N/A | N/A |
| VAC 236 | Not informed | 57 | 36 | 10240 | 40 | N/A | N/A | N/A |
| VAC 241 | Not informed | 34 | 37 | 2560 | 640 | N/A | N/A | N/A |
| VAC 242 | Not informed | 52 | 33 | 5120 | 2560 | N/A | N/A | N/A |
| VAC 243 | Not informed | 18 | 36 | 1280 | 320 | N/A | N/A | N/A |
| VAC 249 | Not informed | 22 | 35 | 10240 | 10240 | N/A | N/A | N/A |
| VAC 250 | Not informed | 48 | 35 | 1280 | 80 | N/A | N/A | N/A |
| VAC 259 | Not informed | 30 | 38 | 5120 | 1280 | N/A | N/A | N/A |
| Deceased YF patients (22) | N/A | DEC 465 | Male | 48 | 7 | 160 | 160 | N/A | N/A | N/A |
| DEC 706 | Male | 47 | 11 | 1280 | 2560 | N/A | N/A | N/A |
| DEC 403 | Male | 54 | 13 | 1280 | 2560 | N/A | N/A | N/A |
| DEC 668 | Male | 23 | 9 | 10240 | 10240 | N/A | N/A | N/A |
| DEC 703 | Male | 54 | 9 | 320 | 1280 | N/A | N/A | N/A |
| DEC 473 | Male | 70 | 8 | 160 | 1280 | N/A | N/A | N/A |
| DEC 715 | Male | 59 | 10 | 640 | 320 | N/A | N/A | N/A |
| DEC 908 | Male | 62 | 7 | 80 | 5120 | N/A | N/A | N/A |
| DEC 557 | Male | 48 | 5 | 320 | 640 | N/A | N/A | N/A |
| DEC 559 | Female | 41 | 5 | 1280 | 1280 | N/A | N/A | N/A |
| DEC 572 | Male | 54 | 6 | 1280 | 1280 | N/A | N/A | N/A |
| DEC 579 | Male | 26 | 5 | 80 | 320 | N/A | N/A | N/A |
| DEC 581 | Male | 77 | 6 | 5120 | 10240 | N/A | N/A | N/A |
| DEC 586 | Male | 71 | 5 | 40 | 40 | N/A | N/A | N/A |
| DEC 587 | Male | 51 | 6 | 1280 | 1280 | N/A | N/A | N/A |
| DEC 618 | Male | 44 | 6 | 640 | 640 | N/A | N/A | N/A |
| DEC 490 | Male | 45 | 4 | 40 | 40 | N/A | N/A | N/A |
| DEC 513 | Male | 55 | 4 | 320 | 2560 | N/A | N/A | N/A |
| DEC 407 | Male | 54 | 6 | 80 | 160 | N/A | N/A | N/A |
| DEC 373 | Male | 37 | 6 | 640 | 5120 | N/A | N/A | N/A |
| DEC 413 | Male | 79 | 6 | 320 | 320 | N/A | N/A | N/A |
| DEC 484 | Male | 38 | 6 | 1280 | 2560 | N/A | N/A | N/A |
| Discharged YF patients (37) | NLHep-YF  (22) | NLHep-YF 635 | Female | 55 | 30 | 5120 | 20480 | N/A | N/A | N/A |
| NLHep-YF 640 | Male | 53 | 32 | 2560 | 10240 | N/A | N/A | N/A |
| NLHep-YF 738 | Male | 67 | 36 | 10240 | 20480 | N/A | N/A | N/A |
| NLHep-YF 739 | Male | 50 | 30 | 5120 | 10240 | N/A | N/A | N/A |
| NLHep-YF 732 | Male | 39 | 44 | 2560 | 5120 | N/A | N/A | N/A |
| NLHep-YF 569 | Female | 27 | 36 | 40 | 40 | N/A | N/A | N/A |
| NLHep-YF 620 | Male | 52 | 39 | 10240 | 40960 | N/A | N/A | N/A |
| NLHep-YF 634 | Male | 36 | 35 | 20480 | 20480 | N/A | N/A | N/A |
| NLHep-YF 633 | Male | 63 | 29 | 5120 | 5120 | N/A | N/A | N/A |
| NLHep-YF 614 | Female | 50 | 33 | 10240 | 20480 | N/A | N/A | N/A |
| NLHep-YF 810 | Male | 39 | 36 | 2560 | 10240 | N/A | N/A | N/A |
| NLHep-YF 821 | Male | 50 | 36 | 160 | 1280 | N/A | N/A | N/A |
| NLHep-YF 651 | Male | 44 | 38 | 5120 | 5120 | N/A | N/A | N/A |
| NLHep-YF 804 | Male | 18 | 39 | 2560 | 2560 | N/A | N/A | N/A |
| NLHep-YF 800 | Male | 46 | 37 | 2560 | 5120 | N/A | N/A | N/A |
| NLHep-YF 802 | Male | 48 | 38 | 2560 | 2560 | N/A | N/A | N/A |
| NLHep-YF 699 | Male | 49 | 43 | 5120 | 5120 | N/A | N/A | N/A |
| NLHep-YF 566 | Male | 58 | 35 | 2560 | 5120 | N/A | N/A | N/A |
| NLHep-YF 662 | Male | 38 | 38 | 1280 | 2560 | N/A | N/A | N/A |
| NLHep-YF 598 | Male | 64 | 41 | 10240 | 20480 | N/A | N/A | N/A |
| NLHep-YF 663 | Male | 57 | 33 | 5120 | 10240 | N/A | N/A | N/A |
| NLHep-YF 683 | Male | 46 | 33 | 5120 | 5120 | N/A | N/A | N/A |
| LHep-YF  (15) | LHep-YF 834 | Male | 44 | 38 | 1280 | 5120 | 108 | 640 | 640 |
| LHep-YF 733 | Male | 51 | 31 | 2560 | 5120 | 103 | 1280 | 2560 |
| LHep-YF 728 | Female | 36 | 43 | 5120 | 20480 | 87 | 2560 | 5120 |
| LHep-YF 693 | Male | 50 | 34 | 2560 | 20480 | 90 | 640 | 640 |
| LHep-YF 630 | Male | 53 | 42 | 2560 | 5120 | 108 | 1280 | 2560 |
| LHep-YF 736 | Male | 60 | 41 | 20480 | 20480 | 118 | 10240 | 20480 |
| LHep-YF 619 | Female | 37 | 32 | 5120 | 20480 | 102 | 2560 | 5120 |
| LHep-YF 797 | Male | 37 | 35 | 10240 | 20480 | 35 | N/A | N/A |
| LHep-YF 682 | Male | 41 | 46 | 2560 | 10240 | 90 | 1280 | 5120 |
| LHep-YF 760 | Male | 36 | 50 | 1280 | 1280 | 106 | 640 | 1280 |
| LHep-YF 764 | Female | 65 | 50 | 5120 | 5120 | 87 | 640 | 2560 |
| LHep-YF 799 | Female | 38 | 52 | 1280 | 1280 | N/A | N/A | N/A |
| LHep-YF 805 | Male | 60 | 54 | 2560 | 10240 | 96 | 1280 | 2560 |
| LHep-YF 684 | Male | 31 | 60 | 1280 | 2560 | 88 | 640 | 2560 |
| LHep-YF 737 | Male | 61 | 58 | 1280 | 2560 | 93 | 640 | 2560 |