## Supplementary Table

### Supplementary Table 1  Inter-assay and intra-assay precision for main analyser serological assays

|                      | Intra-assay precision | Inter-assay precision |
|----------------------|------------------------|-----------------------|
|                      | Mean   | SD    | CV (%) | Mean   | SD    | CV (%) |
| Roche Cobas e 801   COI | Negative | 0.09  | 0.0025 | 2.91  | 0.09  | 0.006  | 7.54  |
|                      | Positive | 13.85 | 0.14   | 1.00  | 13.85 | 0.44   | 3.14  |
|                      | Negative | 0.03  | 0.001  | 2.94  | 0.03  | 0.002  | 6.57  |
| Abbott Architect i2000 S/C | Positive | 8.11  | 0.04   | 0.50  | 8.11  | 0.07   | 1.20  |
| Siemens Atellica AU   | Negative | 0.05  | 0.0039 | 7.70  | 0.05  | 0.009  | 1.70  |
|                      | Positive | 2.82  | 0.05   | 1.80  | 2.82  | 0.10   | 3.70  |
| DiaSorin LIASON AU/ml | Negative | 6.01  | 0.20   | 3.40  | 6.13  | 0.30   | 4.83  |
|                      | Positive | 69.72 | 1.06   | 1.52  | 69.10 | 1.98   | 2.86  |
Based on negative and positive pooled patient material. Inter-assay precision was determined using the mean of at least 5 replicates run on 3-5 separate days for each assay.

**Supplementary Figures**

**Supplementary fig 1.**

(A) Age (years) versus NT$_{50}$ measured in sera collected at each visit. Spearman $r$ and respective $p$-values are indicated. (B) NT$_{50}$ in sera from male and female participants, collected at visits 1, 2 and 3. Horizontal lines indicate median values. Statistical significance was assessed with the Mann-Whitney-test.

**Supplementary fig 2.**

(A) Spearman $r$ for correlations of serological assay measurements and NT$_{50}$ for all samples analysed (not divided by visit).
Supplementary fig 3.

Changes in antibody titres measured using each serology platform and using the neutralization assay (relative to visit one which is plotted as 100%) at each visit for each individual participant.
