**SARS-CoV-2 antibody responses in care homes affected by COVID-19**

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**SUPPLEMENT INFORMATION**

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**Supplementary Figure 1.** Infected virus lysate ELISA index values comparison between a) PCR positive and negative individuals (P=0.05); b) symptomatic and asymptomatic individuals (P=0.96) ;and c) by sex (P=0.57). Statistical analysis using Mann-Whitney U Test.



**Supplementary Figure 2**. Paired SARS-CoV-2 RT-PCR samples from individuals positive at the first and second round. Statistical analysis using Wilcoxon matched-pairs signed rank test p=0.006. N=10

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| --- | --- | --- | --- | --- |
| **Age** | **1st Ct** | **2nd Ct** | **Native viral antigen index value** | **Virus neutralisation titre** |
| 84 | **32.12\*** | 36.38 | 1.65 | 34.52 |
| 69 | 26.97 | 39.79 | 1.66 | 37.97 |
| 103 | 38.26 | 36.16 | 1.56 | 71.78 |
| 84 | **27.03\*** | 32.65 | 1.22 | 113.14 |
| 56 | **21.25\*** | 36.46 | 1.45 | 667.25 |
| 89 | 37.4 | 37.57 | 1.32 | 2179.64 |
| 94 | 28.33 | 38.28 | 0.60 | NT |

**Supplementary Table 1**. Characteristics of individuals with positive SARS-CoV-2 RT PCR on nasal swabs at initial and follow-up testing. \* indicates samples that have undergone virus isolation, all were negative for isolation of live virus. NT = not tested.