**S1 Table. Primers and probes used in this study**

| **Assay** | **Target** | **Name** | **Sequence (5′- 3′)** | **5’-Label** | **3’-Label** | **Final concentration (μM)** | **Source** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| HCoV-HKU1 | Nucleocapsid gene | HCoV-HKU1-F | GATCCTACTAYTCAAGAAGCTATCCCTACT |  |  | 0.6 | (12) |
| HCoV-HKU1-R | ACCTTCCTGAGCCTTCAACATAAT |  |  | 0.3 |
| HCoV-HKU1-P | TTTYCGCCTGGTACGATTTTGCCTC | JOE/ZEN | IaBkFQ | 0.2 |
| SARS-CoV-2 | E gene | E\_Sarbeco\_F1 | ACAGGTACGTTAATAGTTAATAGCGT |  |  | 0.4 | (4) |
| E\_Sarbeco\_R2 | ATATTGCAGCAGTACGCACACA |  |  | 0.4 |
| E\_Sarbeco\_P1 | ACACTAGCCATCCTTACTGCGCTTCG | FAM/ZEN | IaBkFQ | 0.2 |
| Internal control | MS2-TM3-F | GGCTGCTCGCGGATACCC |  |  | 0.2 | (14) |
| MS2-TM3-R | TGAGGGAATGTGGGAACCG |  |  | 0.2 |
| MS2-TM2JOE | ACCTCGGGTTTCCGTCTTGCTCGT | JOE/ZEN | IaBkFQ | 0.1 |
| RNaseP | RNaseP-F | CCAAGTGTGAGGGCTGAAAAG |  |  | 0.3 | (13) |
| RNaseP-R | TGTTGTGGCTGATGAACTATAAAAGG |  |  | 0.3 |
| RNaseP-P | CCCCAGTCTCTGTCAGCACTCCCTTC | JOE/ZEN | IaBkFQ | 0.2 |