**Supplementary Table 2. List of Primers Used in the Current Study.**

| Primer Name            | Sequence (5’ – 3’)                                                                 | Comments                                                                                           |
|------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| SARS-CoV-2 3’ End primer | CTCCTAAGAAGCTATTTAAAAATCAC                                                        | Targets SARS-CoV-2 End. Targets nts 29841-29864 (NC_045512.2)                                       |
| USJ-1 qPCR primer      | CGAGCTTGGGACTGATCCCTT                                                            | For amplification of GL535, GL50, GL616 US junctions                                               |
| USJ-2 qPCR primer      | AACCACAGGGTCATTAGCAC                                                             | For amplification of GL535, GL50, GL616 US junctions                                               |
| DSJ-1 qPCR primer      | GGACTTCCTTGGAATGTAGTGC                                                           | For amplification of GL464 DSJ                                                                      |
| DSJ-2 qPCR primer      | GTATTCAAGGCTCCCTCAGTTGC                                                          | For amplification of GL464 DSJ                                                                      |
| DSJ-3 qPCR primer      | CCTAGACCACACTTAACCG                                                              | For amplification of GL535, GL50, GL616 DS junctions                                               |
| DSJ-4 qPCR Primer      | TCAATCTTTAATCTGCAGCAG                                                          | For amplification of GL535, GL50, GL616 DS junctions                                               |
| GAPDH-f qPCR primer    | GGATCGTGGAAGGACTCAT                                                              | Used in RT-qPCRs for GAPDH quantification                                                          |
| GAPDH-r qPCR primer    | GCGAGGATGATGTCTGGAG                                                              | Used in RT-qPCRs for GAPDH quantification                                                          |
| gRNA3000-f qPCR primer | AACAAGACGGCGAGTGAGGAG                                                           | Used in RT-qPCRs for SARS-CoV-2 gRNA quantification. Targets nts: 3234-3253 (NC_045512.2)         |
| gRNA3000-r qPCR primer | GCTTCTTCCACAATGTCTGCA                                                            | Used in RT-qPCRs for SARS-CoV-2 gRNA quantification. Targets nts: 3391-3411 (NC_045512.2)         |
| 18S rRNA-f qPCR Primer | GGCCCTGTAATTTGGAATGTC                                                            | Used for quantification of 18S rRNA                                                                 |
| 18S rRNA-r qPCR Primer | CCAAGATTCCAACCTACGAGCTT                                                         | Used for quantification of 18S rRNA                                                                 |
| Renilla-f qPCR         | TTAGACGGACCTACGCTC                                                              | Used for quantification of Renilla mRNA                                                              |
| Renilla-r qPCR         | CCACTCGACAATAGCGTTGGA                                                          | Used for quantification of Renilla mRNA                                                              |
| A1 Long-range PCR primer | ATTACTGTGCCTTGACAGGCACAGGTAAGA                                                   | Used in long-range amplification of GL50 and GL616. Targets nts: 143-170 (NC_045512.2)            |
| A2 Long-range PCR primer | ATACATGGGGATAGCAGCAGGACTAA                                                      | Used in long-range amplification of GL50 and GL616. Targets nts: 29821-29845 (NC_045512.2)         |
| NarI-f                 | AGTCCACAAGGCACGGCGCGATCTAAAGTCA                                                  | Used to clone pcDNA3.1_3xFLAG-Nsp1/10                                                              |
| **NarI/BamHI-r** | GATTGTGTCAATGCGGCTCGGAGTCCCTACTGAACATGGGTCGGAG | Used to clone pcDNA3.1_3xFLAG-Nsp1/10 |
| **Junction B1** | CAAGAAAACGTGGAATGTACAATACCC | Used for long-range PCR of GI.464 and GI.384 |
| **Long-range** | GCGTCTTTGTATACCTTAGATG | Used for long-range PCR of GI.464 |
| **PCR primer** | ATGTTGTCTTGGGACACCCGCAC | Used for long-range PCR GI.384 |
| **Junction C2** | GCCGTCTTTGTATACCTTAGATG | Used for long-range PCR of GI.464 |
| **Long-range** | ATGTTGTCTTGGGACACCCGCAC | Used for long-range PCR GI.384 |
| **PCR primer** | CGCCTGGGAAGAGTGCTAATCA | Used for quantification of IFNL1 mRNA |
| **IFNL1-f qPCR Primer** | CGCCTGGGAAGAGTGCTAATCA | Used for quantification of IFNL1 mRNA |
| **IFNL1-f qPCR Primer** | GAAGCCTTAGGTCACCAATTC | Used for quantification of IFNL1 mRNA |
| **TNF-f qPCR Primer** | TGCACCTTTGGGAGTGATCGGC | Used for quantification of TNF mRNA |
| **TNF-r qPCR Primer** | CTTGTCACTTGGGATCGAGA | Used for quantification of TNF mRNA |
| **CCL5-f qPCR Primer** | CGTGCCCACATCAAGGATAT | Used for quantification of CCL5 mRNA |
| **CCL5-r qPCR Primer** | CTTGGGCGATTCTTTCCGGG | Used for quantification of CCL5 mRNA |
| **CCL2-f qPCR Primer** | ACCTCCAGCATGAAAGTCTC | Used for quantification of CCL2 mRNA |
| **CCL2-r qPCR Primer** | AAGTGACGGGGGCATTGAT | Used for quantification of CCL2 mRNA |
| **ISG20-f qPCR Primer** | TAGGGGAGAGATTCACCGATT | Used for quantification of ISG20 mRNA |
| **ISG20-r qPCR Primer** | TAGGGGAGAGATTCACCGATT | Used for quantification of ISG20 mRNA |
| Primer | Sequence | Use          |
|--------|----------|-------------|
| ISG54-f qPCR Primer | GGTCTTTTCAGCGTTTATTGGG | Used for quantification of ISG54 mRNA |
| ISG54-r qPCR Primer | TGCCGTAGGCTGCTCTCCA | Used for quantification of ISG54 mRNA |
| CXCL10-f qPCR Primer | GTGGCATTCAAGGAATACCTC | Used for quantification of CXCL10 mRNA |
| CXCL10-r qPCR Primer | GCCCTAGATTCTGGATTACCA | Used for quantification of CXCL10 mRNA |
| TLR7-f qPCR Primer | TTGGCACCTCTCATGCTCTG | Used for quantification of TLR7 mRNA |
| TLR7-r qPCR Primer | GTGTCCACACTGGAACATATT | Used for quantification of TLR7 mRNA |
| TLR8-f qPCR Primer | TTTCTCTTTCTGGACCACCTC | Used for quantification of TLR8 mRNA |
| TLR8-r qPCR Primer | TCAGCATTGAAGCAGACTGAAGGA | Used for quantification of TLR8 mRNA |
| RIG-1-f qPCR Primer | GGCTGCCACGCTTTTTCCT | Used for quantification of RIG-1 mRNA |
| RIG-1-r qPCR Primer | CAATGGCTTCTCACAAAGTCAGAAT | Used for quantification of RIG-1 mRNA |
| IKBKE-f qPCR Primer | GGAAGAGCCTTTGCCTGACT | Used for quantification of IKBKE mRNA |
| IKBKE-r qPCR Primer | GGTGTGCTCTGATCTCTCT | Used for quantification of IKBKE mRNA |
| IFIT1-f qPCR Primer | ACAGCTGCCTAATTCACACGC | Used for quantification of IFIT1 mRNA |
| IFIT1-r qPCR Primer | GGCCTTTGAGTGGTTCACA | Used for quantification of IFIT1 mRNA |
| IFIH1 (MDA5)-f qPCR Primer | ACGGAGGAGGAATGTTGAC | Used for quantification of IFIH1 mRNA |
| IFIH1 (MDA5)-r qPCR Primer | CCAGAAATGAGAACCAG | Used for quantification of IFIH1 mRNA |