

**Supplementary Table S2.** Nucleotide sequences chosen for probe design.

| Target structure                  | Nucleotide sequence   |
|-----------------------------------|---|
| Genomic RNA of spike protein      | <p>3'GUA AUGGUGUUGAAGGUUUUAAUUGUUACUUUCCUUUACAAUCAUAUGGUUUCCAACCC<br/> ACUAAUGGUGUUGGUUACCAACCAUACAGAGUAGUAGUACUUUCUUUUGAACUUCUACAU<br/> GCACCAGCAACUGUUUGUGGACCUAAAAAGUCUACUAAUUUGGUUAAAAACAAAUGUGUC<br/> AAUUUCAACUUCAAUGGUUUAAACAGGCACAGGUGUUCUACUGAGUCUACAAAAAGUUU<br/> CUGCCUUUCAACAAUUGGCAGAGACAUUGCUGACACUACUGAUGCUGUCCGUGAUCCAC<br/> AGACACUUGAGAUUCUUGACAUUACACCAUGUUCUUUUGGUGGUGUCAGUGUUUAACAC<br/> CAGGAACAAUACUUCUAAACCAGGUUGCUGUUCUUUAUCAGGAUGUUAACUGCACAGAAG<br/> UCCUGUUGCUAUUCAUGCAGAUCAACUACUCCUACUUGGCGUGUUUAUUCUACAGGUU<br/> CUAAUGUUUUCAAACACGUGCAGGCUGUUUAAUAGGGGCUGAACAUUGUCAACAACUCAU<br/> AUGAGUGUGACAUACCCAUUGGUGCAGGUAAUUGCGCUAGUUAUCAGACUCAGACUAAU<br/> CUCUCGGCGGGCACGUAGUGUAGCUAGUCAUCCAUCAUUGCCUACACU AUGUCACUUGG<br/> UGCAGAAAAUUCAGUUGCUACUCUAAU AACUCU AUUGCCAUACCCACAAAUUUACU AU<br/> UAGUGUUACCACAGAAUUCUACCAGUGUCU AUGACCAAGACAUCAGUAGAUUGUACAAU<br/> GUACAUUUGUGGUGAUUCAACUGAAUGCAGCAAUCUUUUGUUGCAAUAUGGCAGUUUUUG<br/> UACACAAUAAACCGUGCUUUAACUGGAAUAGCUGUUGAACAAAGACAAAAACCCCAAGA<br/> AGUUUUUGCACAAGUCAACAAAUUUACAAAACACCACCAAUUAAGAUUUUGGUGGUU<br/> UAAUUUUUCACAAAUUUACCAGAUCCAUCAAAACCAAG5'</p>  |
| Anti-genomic RNA of nucleoprotein | <p>5'TTUGGCCTGUGTTGUGTCUGCUCTGCTCUTGGUTTGTGTCUUTGTGTTGGUGUUUTCUTCCUU<br/> UTCTGUCUGUGGUUGUUGUGTCUCUGTTGCTGTTTCTTCTGTCTCTGCGGTUUGGCTTGUGTTT<br/> CUTCUGCCTTCTCTTTTTGTCCTTTTTUGGCTCTGTTGGTGGGUUTGTTTTGTUTGCGTCUUTUTG<br/> CTTUTCUGCUUUUTGUCTTGUTCTTTGUUUTTTGGUTCTTTGTCUTCCUUTTTGUTGGCUCCTGT<br/> GTUGGTCUCCUCGTTCCCGUUGGTGTGUCTTCCUTGCCUUTGCGCGUCUTTCGGUUGUUCGC<br/> TGUUGCGCTGGGGGCUUUTTGTCUUTTTGCGGCCUUTGTTTGTUUTCUGTTCCTTGTCTGUTTU<br/> GTTCTGGTCCCCUUUUTTCCTTGGGTTTGTTCGGUCCUGCTCTGCCGUUUGCTTGTGTTUCU<br/> TTGTUTGCTTTUGTGGCUGTUCGTTTTTGCCGUGGCTTCTTUGUUGCCTCUGCUGCUGUTTTCTT<br/> UGTGUCUGTTTGGCCTTGTGTTGTTGGCCTTTUCCUGUCUTTTTGTCTCUUGCTGGTTCUUTCT<br/> GTCUUGCUGCUGCUUUGCUUGUGCUGCUTCUCCGCCUTTGCCUGCCUTTCTUGCUGGUGUUG<br/> TTCCCTUCTGCTGCCTGGUGTTGUUTTTCTTGUUCTGTTGCGUCTUCGTGUTGUGGUUCGUGU<br/> UGUGGCTTGUCTGCCGCTCTGCTCCCTTCTGCGTUGUUGCCTTTGGCUUTGTTGTTCTTGGUG<br/> GUUGTTGTUGCUCGUTTGCGUCUTTGTTUGCUGGUTTGCGGGTGCCUUTGTGUTCTTTGGTGT<br/> UTTCUUGGCTCCCTCUGTTGCUUCCCUUTUTGUTGCCGTCTTGTGTTGCUCCUTUGGGUUGTCCU<br/> GCTTCTGGCCCGTTCTUGGTUGTUGUUUUCUUTCTTGGUCTGUGUTCTTTCTTTUCCGTC<br/> UCCUCCUCGUUTTCGTCTGGTUGCTCTTCGGTUGTUGCCUUTTTGGTCUTCTGGUCTGCTUTTGG<br/> TGTTUUTGGUUCGCCTTGCTCGUGGGUUTTUUGGTCTTCTTGCCTGTTGUGTGUGUGCG<br/> GTGUCCUUGUCGUGTUTTUTGGGTUUUCCTTGGGGCCGUCGTTGTTTGTGTCGCGCCCCUC<br/> TGCCTTCTCCTTCTGGTTUCTGCCUGTTGUUTCTGUGGGTCCUCCUUUGTUUTGCGGGGTGC<br/> UTTTGCGCTGUTTTTGGGGTCCUUTTUCUGUCUT3'</p> |