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| Supplemental Table 1. Sequences of the primers and probes used in the CDC, NIID, and YCH assays |
| Institute | Primer name | Description | Oligonucleotide Sequence (5’>3’) | Modification |
| CDC | CDC-N1-F | 2019-nCoV\_N1 Forward Primer | 5’-GACCCCAAAATCAGCGAAAT-3’ | None |
| CDC | CDC-N1-R | 2019-nCoV\_N1 Reverse Primer | 5’-TCTGGTTACTGCCAGTTGAATCTG-3’ | None |
| CDC | CDC-N1-P | 2019-nCoV\_N1 Probe | 5’-FAM-ACCCCGCATTACGTTTGGTGGACC-BHQ1-3’ | FAM/BHQ1 |
| CDC | CDC-N2-F | 2019-nCoV\_N2 Forward Primer | 5’-TTACAAACATTGGCCGCAAA-3’ | None |
| CDC | CDC-N2-R | 2019-nCoV\_N2 Reverse Primer | 5’-GCGCGACATTCCGAAGAA-3’ | None |
| CDC | CDC-N2-P | 2019-nCoV\_N2 Probe | 5’-FAM-ACAATTTGCCCCCAGCGCTTCAG-BHQ1-3’ | FAM/BHQ1 |
| CDC | CDC-N3-F | 2019-nCoV\_N3 Forward Primer | 5’-GGGAGCCTTGAATACACCAAAA-3’ | None |
| CDC | CDC-N3-R | 2019-nCoV\_N3 Reverse Primer | 5’-TGTAGCACGATTGCAGCATTG-3’ | None |
| CDC | CDC-N3-P | 2019-nCoV\_N3 Probe | 5’-FAM-AYCACATTGGCACCCGCAATCCTG-BHQ1-3’ | FAM/BHQ1 |
| CDC | RP-F | RNAse P Forward Primer | 5’-AGATTTGGACCTGCGAGCG-3’ | None |
| CDC | RP-R | RNAse P Reverse Primer | 5’-GAGCGGCTGTCTCCACAAGT-3’ | None |
| CDC | RP-P | RNAse P Probe | 5’-FAM–TTCTGACCTGAAGGCTCTGCGCG–BHQ1-3’ | FAM/BHQ1 |
| NIID | NIID-N1-F | N\_Sarbeco\_Forward Primer | 5’-CACATTGGCACCCGCAATC-3' | None |
| NIID | NIID-N1-R | N\_Sarbeco\_Reverse Primer | 5’-GAGGAACGAGAAGAGGCTTG-3' | None |
| NIID | NIID-N1-P | N\_Sarbeco\_Probe | 5’-FAM-ACTTCCTCAAGGAACAACATTGCCA-TAMRA-3' | FAM/TAMRA |
| NIID | NIID-N2-F | NIID\_2019-nCOV\_N\_Forward Primer | 5’-AAATTTTGGGGACCAGGAAC-3' | None |
| NIID | NIID-N2-R | NIID\_2019-nCOV\_N\_Reverse Primer | 5’-TGGCAGCTGTGTAGGTCAAC-3' | None |
| NIID | NIID-N2-P | NIID\_2019-nCOV\_N\_Probe | 5’-FAM-ATGTCGCGCATTGGCATGGA-TAMRA-3' | FAM/TAMRA |
| YCH | YCH-N1-F | YCH\_N1 Forward Primer | 5’-CACATTGGCACCCGCAATC-3' | None |
| YCH | YCH-N1-R | YCH\_N1 Reverse Primer | 5’-GAGGAACGAGAAGAGGCTTG-3' | None |
| YCH | YCH-N1-P | YCH\_N1 Probe | 5’-FAM/ACTTCCTCA/ZEN/AGGAACAACATTGCCA-IBFQ-3' | FAM/ZEN/IBFQ |
| YCH | YCH-N2-F | YCH\_N1 Forward Primer | 5’-AAATTTTGGGGACCAGGAAC-3' | None |
| YCH | YCH-N2-R | YCH\_N1 Reverse Primer | 5’-TGGCAGCTGTGTAGGTCAAC-3' | None |
| YCH | YCH-N2-P | YCH\_N1 Probe | 5’-FAM/ATGTCGCGC/ZEN/ATTGGCATGGA-IBFQ-3' | FAM/ZEN/IBFQ |
| NIID, National Institute of Infectious Diseases; YCH, Yamanashi Central Hospital; CDC, Centers for Disease Control and Prevention |  |
| FAM, 6-carboxyfluorescein; BHQ1, Black Hole Quencher 1; IBFQ, Iowa Black Fluorescent Quencher |  |