

Table S1. Primers, probes, and standard sequences used in this study.

| Target | Postion | Ref | Primer sequence | Dye/quencher | Target sequence |
|-------------|------------------------------------|-----|---|--------------|--|
| Adenovirus | 21418-21555 | [1] | Forward: 5'-CATGACTTTTGAGGTGGATC-3' | SYBR | CATGACTTTTGAGGTG- GATCCCATGGATGAGCCACCCCTGCTTTATCTT |
| | | | Reverse: 5'-CCGGCCGAGAASGGYGTGCG- CAGGTA-3' | | CTTTTCGAAGTCTTCGACGTGGTCAGAGTG- CACCAGCCACAC- CGCGGGCGTCATCGAGGCCGTCTACCTGCGCAC ACCGTTCTCGGCCCG |
| Enterovirus | 5'UTR | [2] | Forward: 5'-TGTCACCATAAGCAGYCN-3' | HEX-BHQ1 | TTAATTGTCACCATAAGCAGCCAATACAA- GAATAAAAAGAAACAC- GGACACCCAAAGTAG- TCGGTTCGCTGCAGAGTTGCCCGTTACGACA |
| | | | Reverse: 5'-CCCTGAATGCGGCTAAT-3' | | CACTGCCCTTTGGATTAAGGGTATGTGCTCCG- CAGTTAGGATTAGCCGATTACAGGGGCCCGA |
| Hepatitis-A | 5'UTR | [3] | Probe: 5'-ACGGACACCCAAAGTAG- TCGGTTC-3' | HEX-BHQ1 | TACCTCACC GCCGTTTGCCTAGGC- TATAGGCTAAATTTCCCTTTCCCTTTTCCCTTT |
| | | | Forward: 5'-TCACCGCCGTTTGCTAG-3' | | CCTATTCCCTTTGTTTGTCTGTAAATATTGAT- TTGTAAATATTGATTCTG- CAGGTTACAGGGTCTTAAATCTGTTTCTCTATA AGAACACTCATTTAC- GCTTTCTGTCTTCTTCTCCAGGGCTCTCCCT TG |
| Influenza-A | Segment 7 matrix protein 2 | [4] | Forward: 5'-CAAGACCAAT- CYTGTACCTCTGAC-3' | FAM | CTAAAGACAAGACCAATTCTGTAC- CTCTGACTAAGGGGATTTTGGGGTTT- GTGTTAC- GCTCACCGTGCCAGTGAGCGAGGACTGCAG CGTAGACGCTTTGTCCAAAA |
| | | | Reverse: 5'-GCATTYTGACAAA- VCGTCTACG-3' | | |
| Influenza-B | Segment 8 non-structural protein 1 | [4] | Forward: 5'-TCCTCAAYTCAC- TCTTCGAGCG-3' | YAK | GGATCCTCAACTCACTCTTCGAGCGTTTT- GATGAAGGACATTCAAAGCCAATTGAG- CAGCTGAAACTGCGGTGGGAGTCTTATCCCAA TTTGGTCAAGAGCACCGATT |
| | | | Reverse: 5'- CGGTGCTCTTGACCAAATTGG-3' | | |
| Noro GI | ORF1-RdRp | [3] | Probe: 5'- CCAATTCTGA//GCAGCTGAAACTGC GGTG-3' | FAM-MGB | CGCTGGATGCGATTCCATGACTTAAGTTGTG- GACAGGAGATCGCGATCTCTGCCCGAT- TATGTAAATGATGATGGCGTCTAAGG |
| | | | Forward: 5'-CGCTG- GATGCGNTTCCAT-3' | | |
| Noro GII | ORF1-RdRp | [3] | Reverse: 5'- CCTTAGACGCCATCATTTTAC-3' | DO-DDQII | ATGTTTCAGATGGATGAGATTCTCAGATCTGAG- CACGTGGGAGGGCGATCG- CAATCTGGCTCCAGTTTGTGAATGAAGATG GCGTCA |
| | | | Probe: 5'-AGCACGTGG- GAGGGCGATCG-3' | | |
| SARS-CoV-2 | N1 | [5] | Forward: 5'- GACCCCAAATCAGCGAAAT-3' | FAM-MGB | GACCCCAAATCAGCGAAATGCACCCCG- CATTACGTTTGGTGGACCCTCAGAT- TCAACTGG- CAGTAACCAGAATGGTGGGGCGCGATCAAAA CAACGTCGGCCCCA |
| | | | Reverse: 5'- TCTGGTACTGCCAGTT- GAATCTG-3' | | |
| | | | Probe: 5'-ACCCCG- CATTACGTTTGGTGGACC-3' | | |

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