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| --- | --- | --- | --- | --- | --- |
| **Target** | **DNA or RNA** | **Primer/ Probe** | **Sequence (5’-3’)** | **Genomic Target** | **References** |
| Adenovirus 40/41 | DNA | AdV-F | GCC TGG GGA ACA AGT TCA G | Hexon | Molecular Microbiology & Genomics Team, British Columbia Centre for Disease Control, 2017a |
| AdV-R | ACG GCC AGC GTA AAG CG |
| AdV-P(Probe) | NED-ACC CAC GAT GTA ACC AC-MGB-NFQ |
| Astrovirus | RNA | Ast-F | AAG CAG CTT CGT GAR TCT GG | Junction of polymerase and capsid | Molecular Microbiology & Genomics Team, British Columbia Centre for Disease Control, 2017a |
| Ast-R | GCC ATC RCA CTT CTT TGG TCC |
| Ast-P(Probe) | Cy5-CAC AGA AGA GCA ACT CCA TCG CAT TTG-Tao-IBDRQ |
| crAssphage | DNA | 056F1 | CAG AAG TAC AAA CTC CTA AAA AAC GTA GAG | Genomic base pair region: 14731 bp-14856 bp | Stachler, Akyon, Carvalho, Ference, & Bibby, 2018 |
| 056R1 | GAT GAC CAA TAA ACA AGC CAT TAG C |
| 056P1 | FAM-AAT AAC GAT TTA CGT GAT GTA AC |
| *Escherichia coli* | DNA | 784F | GTG TGA TAT CTA CCC GCT TCG C | *uidA* | Frahm and Obst, 2003 |
| 866R | AGA ACG GTT TGT GGT TAA TCA GGA |
| EC807 (Probe) | FAM-TCG GCA TCC GGT CAG TGG CAG T-BHQ1 |
| GI | RNA | COG1F-flap | AATAAATCATAACGYTGGATGCGNTTYCATGA | Norovirus GI | Kageyama, et al., 2003; Wang, et al., 2019 |
| COG1R-flap | AATAAATCATAACTTAGACGCCATCATCATTYAC |
| Ring1a.2 (Probe) | 6-FAM- AGATYGCGR/ZEN/ TCYCCTGTCCA -IBFQ | Molecular Microbiology & Genomics Team, British Columbia Centre for Disease Control, 2017b |
| GII | RNA | COG2F-flap | AATAAATCATAACARGARBCNATGTTYAGRTGGAT GAG | Norovirus GII | Kageyama, et al., 2003; Wang, et al., 2019 |
| COG2R-flap | AATAAATCATAATCGACGCCATCTTCATTCACA |
| Ring 2.2 (Probe) | JOE - TGGGAGGGY/ZEN/ GATCGCAATCT - IBFQ | Molecular Microbiology & Genomics Team, British Columbia Centre for Disease Control, 2017b |
| Pepper Mild Mottle Virus | RNA | PMMV-FP | GAG TGG TTT GAC CTT AAC GTT TGA | 1878 bp-1901 bpa and 1945 bp-1926 bpa | Rosario, Symonds, Sinigalliano, Stewart, & Breitbart, 2009 |
| PMMV-RP | TTG TCG GTT GCA ATG CAA GT |
| PMMV-Probe | FAM-CCT ACC GAA GCA AAT G-MGB-NFQ |
| Rotavirus Type A | RNA | Tampere NSP3-F | ACC ATC TWC ACR TRA CCC TCT ATG AG | Non-structural Protein 3 | Zeng, et al., 2008 |
| Tampere NSP3-R | GGT CAC ATA ACG CCC CTA TAG C |
| Tampere NSP3 (Probe) | VIC-AGT TAA AAG CTA ACA CTG TCA AA-MGB-NFQ |
| Sapovirus | RNA | SaV1F | TTG GCC CTC GCC ACC TAC | Junction of polymerase and capsid | Oka, et al., 2006 |
| SaV5F | TTT GAA CAA GCT GTG GCA TGC TAC |
| SaV124F | GAY CAS GCT CTC GCY ACC TAC |
| SaV1245R | CCC TCC ATY TCA AAC ACT A |
| SaV124TP(Probe) | FAM-CCR CCT ATR AAC CA-MGB-NFQ |
| SaV5TP(Probe) | FAM-TGC CAC CAA TGT ACC A-MGB-NFQ |
| aCorresponding nucleotide position of GenBank accession number M81413 (PMMoV strain S) | | | | | |