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| **qRT-PCR assay** | **Primer name** | **T7 Promotera and Gene Specific Primer Sequences** | **Primer Position** **(bp)** | **Tm** **(°C)** | **Reference Strain****(accession #)** |
| **VP7**  |  |  |  |  |  |
| VP7 G1  | T7VP7BEG9-F  | **TAA TAC GAC TCA CTA TAG GGA GA**G GCT TTA AAA GAG AGA ATT TCC GTC TG  |  1-27 | 67.4 | Wa (JX406755) |
| T7VP7END9-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCA TAC AAT TCT AAT CTA AG  | 1061-1036 | 64.3 |
| VP7 G2  | T7VP7BEG9-F | **TAA TAC GAC TCA CTA TAG GGA GA**G GCT TTA AAA GAG AGA ATT TCC GTC TG  |  1-27 | 67.4 | DS-1 (HQ650124) |
| T7VP7END9-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCA TAC AAT TCT AAT CTA AG  | 1061-1036 | 64.3 |
| VP7 G3  | T7VP7BEG9-F  | **TAA TAC GAC TCA CTA TAG GGA GA**G GCT TTA AAA GAG AGA ATT TCC GTC TG  |  1-27 | 67.4 | P (AB118024) |
| T7VP7END9-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCA TAC AAT TCT AAT CTA AG  | 1061-1036 | 64.3 |
| VP7 G4  | T7VP7BEG9-F | **TAA TAC GAC TCA CTA TAG GGA GA**G GCT TTA AAA GAG AGA ATT TCC GTC TG  |  1-27 | 67.4 | ST3 (X13603) |
| T7VP7END9-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCA TAC AAT TCT AAT CTA AG  | 1061-1036 | 64.3 |
| VP7 G9  | T7VP7BEG9-F  | **TAA TAC GAC TCA CTA TAG GGA GA**G GCT TTA AAA GAG AGA ATT TCC GTC TG  |  1-27 | 67.4 | WI61 (AB180969) |
| T7VP7END9-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCA TAC AAT TCT AAT CTA AG  | 1061-1036 | 64.3 |
| VP7 G12  | T7VP7BEG9-F  | **TAA TAC GAC TCA CTA TAG GGA GA**G GCT TTA AAA GAG AGA ATT TCC GTC TG  |  1-27 | 67.4 | L26 (EF672595) |
| T7VP7END9-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCA TAC AAT TCT AAT CTA AG  | 1061-1036 | 64.3 |
| **VP4** |   |   |   |   |  |
| VP4 P[4]  | T7VP4-F | **TAA TAC GAC TCA CTA TAG GGA GA** GGC TAT AAA ATG GCT TC  |  1-17 | 61.6 | DS-1 (AB118025) |
| T7VP4-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCC TCA ATA GCG TTC TC  | 2359-2336 | 65.1 |
| VP4 P[6]  | T7VP4-F | **TAA TAC GAC TCA CTA TAG GGA GA** GGC TAT AAA ATG GCT TC  |  1-17 | 61.6 | ST3 (EF672612) |
| T7VP4-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCC TCA ATA GCG TTC TC  | 2359-2336 | 65.1 |
| VP4 P[8] | T7VP4-F | **TAA TAC GAC TCA CTA TAG GGA GA** GGC TAT AAA ATG GCT TC  |  1-17 | 61.6 | Wa (JX406750) |
| T7VP4-R | **TAA TAC GAC TCA CTA TAG GGA GAG** GTC ACA TCC TCA ATA GCG TTC TC  | 2359-2336 | 65.1 |

**T7 promoter sequences shown in bold text**