**Supplementary Table 1.** Primers of PCR for FPV, FCoV, CDV, and IAV

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| --- | --- | --- | --- | --- |
| Virus | Primer | Sequence (5′ to 3′) | Sense | Reference |
| FPV | FPV-F | TGGAACTAGTGGCACACCAA | Forward | (Streck et al., 2013b) |
| FPV-R | AAATGGTGGTAAGCCCAATG | Reverse |
| FPV-P | 6FAM-CAGGTGATGAATTTGCTACAGG-BHQ1 | Probe |
| CDV | CDV.78f | GGAAGCCTTGATGATAGCACTGA | Forward | (Meli et al., 2009) |
| CDV.161r | GCCGAAAGAATATCCCCAGTT | Reverse |
| CDVp | 6FAM-TCTGGCGAAGATTATTCCGAAGGAAATGCT-TAMRA | Probe |
| IAV | InAM-F | GACCRATCCTGTCACCTCTGAC | Forward |  |
| InAM-R | AGGGCATTYTGGACAAAKCGTCTA | Reverse |
| InAM-P | FAM-TGCAGTCCTCGCTCACTGGGCACG-BHQ1 | Probe |
| FCoV | P205-F | GGCAACCCGATGTTTAAAACTGG | Forward | (Herrewegh et al., 1995) |
| P211-R | CACTAGATCCAGACGTTAGCTC | Reverse |
| P276-F | CCGAGGAATTACTGGTCATCGCG | Forward |
| P204-R | GCTCTTCCATTGTTGGCTCGTC | Reverse |
| VP2 gene | VPF | ATGGCACCTCCGGCAAAGA | Forward | (Mochizuki et al., 1996; Steinel et al., 2000; Battilani et al., 2001) |
| VPR | TTTCTAGGTGCTAGTTGAG | Reverse |
| P1 (mc) | ATGAGTGATGGAGCAGTTC | Forward |
| M5mod | ATAACAAACCTTCTAAATCCTATATCAAAT | Reverse |