|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Primer/probe | Sequence 5’ to 3’ | Target | Amplicon size | Reference | |
| *Carnivore protoparvovirus-1* TaqMan assay | CPV-For | AAACAGGAATTAACTATACTAATATATTTA | FPLV/CPV | 93 bp | | (29) |
| CPV-Rev | AAATTTGACCATTTGGATAAACT |
| CPV-Pb | FAM –TGGTCCTTTAACTGCATTAAATAATGTACC - TAMRA |
| FPV/CPV assay | FPV/CPV-For | ACAAGATAAAAGACGTGGTGTAACTCAA | FPLV/CPV | 83 bp | | (17) |
| FPV/CPV-Rev | CAACCTCAGCTGGTCTCATAATAGT |
| FPV-Pb | VIC – ATGGGAAATACAGACTATAT - MGB | FPLV |
| CPV-Pb | FAM – ATGGGAAATACAAACTATAT - MGB | CPV |
| CPV-2a/2b assay | CPVa/b-For | AGGAAGATATCCAGAAGGAGATTGGA | All CPV |  | | (30) |
| CPVa/b-Rev | CCAATTGGATCTGTTGGTAGCAATACA | All CPV | 93 bp | |
| CPVa-Pb | VIC – CTTCCTGTAACAAATGATA - MGB | CPV-2a |  | |
| CPVb1-Pb | FAM – CTTCCTGTAACAGATGATA - MGB | CPV-2b |  | |
| CPV-2b/2c assay | CPVb/c-For | GAAGATATCCAGAAGGAGATTGGATTCA | All CPV |  | | (30) |
| CPVb/c-Rev | ATGCAGTTAAAGGACCATAAGTATTAAATATATTAGTATAGTTAATTC | All CPV | 150 bp | |
| CPVb2-Pb | FAM – CCTGTAACAGATGATAAT - MGB | CPV-2b |  | |
| CPVc-Pb | VIC – CCTGTAACAGAAGATAAT - MGB | CPV-2c |  | |
| CPV-2679F | CCAGATCATCCATCAACATCA | 2,649 -> 2,669 | 747 bp | |
| CPV-3511R | TGAACATCATCTGGATCTGTACC | 3,505 -> 3,483 |  | |
| PCR/Sequencing | F1 | AGATAGTAATAATACTATGCCATTT | 3,311 -> 3,335 | 1375 bp | | (31) |
| R1 | CCTATATCAAATACAAGTACAATA | 4,685 -> 4,662 |

**Table 1**: Primers used in real-time and conventional PCR in this study

FPV:feline panleukopenia virus; CPV:canine parvovirus