

Table S1. Primer sets and PCR information for EqPV-CSF/EqCoPV detection.

| PCR | Primer Sets | Sequences (5' → 3') | Product Size, bp | Tm | No. PCR Cycles | References |
|--------------------------------------|-------------|-------------------------|------------------|------|----------------|------------|
| EqPV-CSF detection (partial NS gene) | Forward | CAAATGGACCAATGCAAGCAG | 996 | 50°C | 40 | [16] |
| | Reverse | ATGGTCCATAGTGACCAGTGTC | | | | |
| EqCoPV detection (partial VP gene) | Forward | GTGGACAGCCGAAGAGTGGA | 522 | 50°C | 40 | [1] |
| | Reverse | AGTCACTCGGCCATGGTGT | | | | |
| EqPV-CSF (complete CDS) | EqPV 1F | ATACCCCAACAGAAACAAGG | 1145 | 56°C | 40 | MZ100069.1 |
| | EqPV 1145R | TGTCCTTCATCCCACCATCC | | | | |
| | EqPV 940F | GGAATGCTATTCTGGCTATGGTC | 1153 | 56°C | 40 | |
| | EqPV 2092R | GTCTCTGGTGCTTTCTGTGC | | | | |
| | EqPV 1922F | ACCAGGACCAGACGCATATT | 1148 | 56°C | 40 | |
| | EqPV 3069R | ACGCATCCTGTGAAGGTACA | | | | |
| | EqPV 2724F | AGTTGTGAGAAACGCCTGCT | 1551 | 56°C | 40 | |
| | EqPV 4274R | TGCTGTGTCTTGGGTCTTG | | | | |
| | EqPV 3939F | GACAATCCATGGGCCAAACA | 1111 | 56°C | 40 | |
| | EqPV 5049R | CGGAGGTGAGGCTACATTCC | | | | |
| EqCoPV (complete CDS) | EqCo 26F | GCGTTGCAACAACCACAAAA | 1236 | 56°C | 40 | MN181468.1 |
| | EqCo 1261R | TAGTGCTCCTTCATCCCACC | | | | |
| | EqCo 617F | CTTCGATCCTGGACAACCAT | 1637 | 56°C | 40 | |
| | EqCo 2253R | TAGCAGCCCTCCCAATGTAG | | | | |
| | EqCo 2027F | GGTCACAAAAAGGCACTGGT | 1262 | 56°C | 40 | |
| | EqCo 3288R | GCTAAGCCTCCAAGTTCAGC | | | | |
| | EqCo 2910F | CAACGATAACCGTGTGGACAG | 1311 | 56°C | 40 | |
| | EqCo 4220R | AGTAGTCCCCGTCCCTATGT | | | | |
| | EqCo 3981F | TACCAATGGAACCCCTCACA | 1101 | 56°C | 40 | |
| | EqCo 5081R | GTCTGTCTCTCATGGGCCAT | | | | |
| | EqCo 4810F | AATGGTACCAACACCAGGAC | 289 | 60°C | 40 | |
| | EqCo 5098F | TTATCTCATTCTTCTGGGTCTG | | | | |

Abbreviations: bp, base pair; CDS, coding sequences; PCR, polymerase chain reaction; NS, non-structural; Tm, melting temperature.

Table S2. Detailed information on clinical signs of horses in this study.

| Clinical Signs | Number of Horses |
|--|------------------|
| Colic | 41 |
| Osteochondrosis | 8 |
| Diarrhea | 4 |
| Dystocia | 3 |
| Pneumonia | 3 |
| Wound | 3 |
| Anorexia | 2 |
| Cachexia | 2 |
| Cellulitis | 2 |
| Equine Neonatal Maladjustment Syndrome | 2 |
| Hyperthermia | 2 |
| Limb deformity | 2 |
| Respiratory noise | 2 |
| Sesamoid bone fracture | 2 |
| Arthritis | 1 |
| Castration | 1 |
| Corneal ulcer | 1 |
| Dermatitis | 1 |
| Esophageal stricture | 1 |
| Guttural pouch empyema | 1 |
| Lameness | 1 |
| Laminitis | 1 |
| Strangles | 1 |
| Suspensory ligament rupture | 1 |

Figure S1. Phylogenetic analysis based on a partial NS gene (872 bp) of EqPV-CSF. Newly identified Korean isolates are indicated by black diamonds. The Korean isolates were analyzed together with other members of genus *Copiparvovirus*.

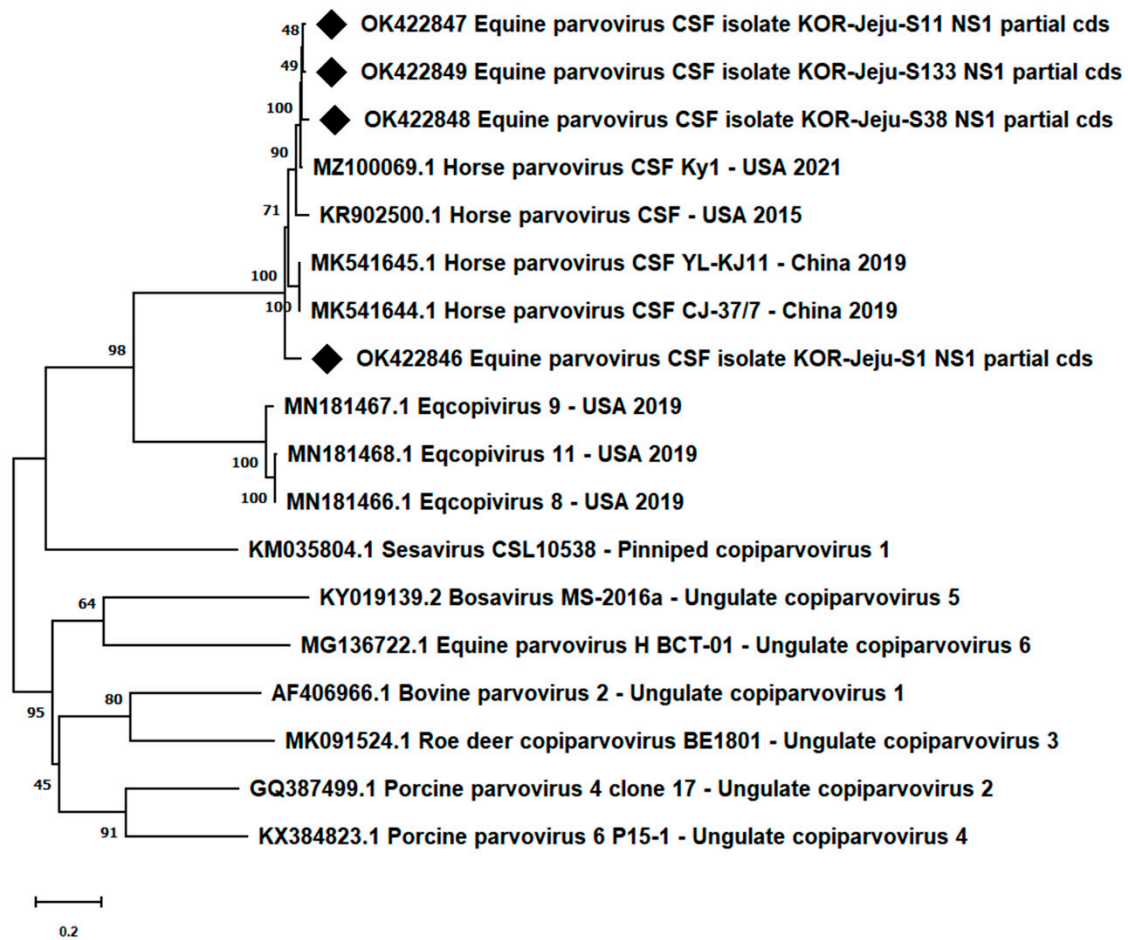


Figure S2. Phylogenetic analysis based on a partial VP gene (479 bp) of EqCoPV. Newly identified Korean isolates are indicated by black circles. The Korean isolates were analyzed together with other members of genus *Copiparvovirus*.

