Supplementary Materials: Identification and Comparison of Receptor Binding Characteristics of the Spike Protein of Two Porcine Epidemic Diarrhea Virus Strains

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Table S1. Primers used for RBD mutations.

| Primers                      | Primer Sequence (5′–3′)                          | Mutations       |
|------------------------------|--------------------------------------------------|-----------------|
| CHGD-01-RBM1-R1              | TGGTTTACAAAAACATAACAAAGACCAACCAAAGGC             |                 |
|                              | AGCTGAGACGGTAT                                   |                 |
| CHGD-01-RBM1-F1              | TGGTTATGTTGAAACCACCCAGTTAAATACCA                 |                 |
|                              | TCAACGGTTTCTCT                                   |                 |
| CHGD-01-RBM2-R1              | CCATGAAAGTCACCTGGTGAACCGTGAACACAA               |                 |
|                              | GCTGATGTT                                   |                 |
| CHGD-01-RBM2-F1              | GTGTCACCGGTCAGTCTTCATGGGTTGCTCAAGTGACTCGGAC     |                 |
| CHGD-01-F                    | CCGGAATTCATGAAATCTCTTAAGTCACCGTTGCC             |                 |
|                              | TTGTATTTATGTGCATTACATTTCTACATCTATG              |                 |
|                              | CAGTTGCCAGCCTCGATGAC                            |                 |
| CHGD-01-RBM3-R1              | AGTGATCAGCTCTCCTCTTTGAAACTGGAAGTAC              |                 |
|                              | AGCGGAAGTAACAAATAGTATAAGAAGTGTAATG              |                 |
|                              | CAGTAGCAGGACAAAGTCA                              |                 |
| CHGD-01-F c                  | CCGGAATTCATGAAATCTCTTAAGTCACCGTTGCC             |                 |
|                              | TTGTATTTATGTGCATTACATTTCTACATCTATG              |                 |
|                              | CAGTGAGACGGTAT                                   |                 |
| CHGD-01-R d                  | CCGGGTACCAGCGCTGGCCTAGTGACACGCTCTG             |                 |
| CHGD-01-RBM1-R2              | GCTGCCGCTCGCTGCGCTGAGTGAGCGTGAGCGTGAGCTGAT     |                 |
|                              | RMBM-1 b                                        |                 |
| CHGD-01-RBM1-F2              | AGCCGCGACGCGACGACACATACGACGCGTCTCTCTC          |                 |
|                              | RMBM-1 b                                        |                 |
| CHGD-01-RBM2-R2              | GCTGCCGCTCGCTGCGCTGAGTGAGCGTGAGCTGAT          |                 |
|                              | RMBM-2 b                                        |                 |
| CHGD-01-RBM2-F2              | AGCCGCGACGCGACGCGACGATCGCCCTGCGAGCTGAGCTG     |                 |
|                              | RMBM-2 b                                        |                 |
| CHGD-01-F d                  | CCGGAATTCATGAAATCTCTTAAGTCACCGTTGCC             |                 |
|                              | TTGTATTTATGTGCATTACATTTCTACATCTATG              |                 |
|                              | CAGTGAGACGGTAT                                   |                 |
| CHGD-01-RBM3-R2              | AGTGATCAGCTCTCCTCTTTGAAACTGGAAGTAC              |                 |
|                              | AGCGGAAGTCTCGCTGGCCTGCGTGAACCGCGAACCAGCGAT     |                 |
|                              | RMBM-3 b                                        |                 |

F, F1, F2, forward; R, R1, R2, reverse; a RMBM1, RBM2 and RBM3 of the CHGD-01 S1 were mutated to the corresponded sequences of the HCoV-NL63 S1; b RBM1, RBM2 and RBM3 of the CHGD-01 S1 were mutated to the “SGSGS” motif; c, d primers used for overlap extension PCR for the RBM1 and RBM2 mutations.

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