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**Supplementary Data**

**KIF5B-mediated internalization of FMDV promotes virus infection**

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**Supplementary Table S1：The PCR primer pairs used in this study.**

|  |  |
| --- | --- |
| Primers | Sequences (5' to 3') |
| VP1-NheI-F | CGTCTA*GCTAGC*ATGACTACCACCACTGG |
| VP1-BamHI-R | CGC*GGATCC*CAAAGTCTGTTTCTCAGGTG |
| KIF5B-1-413-NheI-F | CGTCTA*GCTAGC*ATGgcggacccggccgaatg |
| KIF5B-1-413-p3.1-BamHI-R | CGC*GGATCC*aaaatttccagtaactccaatagtg |
| KIF5B-413-678-NheI-F | CGTCTA*GCTAGC*ATGactgatgctgaaagaagaaagtg |
| KIF5B-413-678-p3.1-BamHI-R | CGC*GGATCC*ctcttgtgctcgaagctggactag |
| KIF5B-678-963-NheI-F | CGTCTA*GCTAGC*ATGaaagtacatgaaatggaaaaggagc |
| KIF5B-678-963-p3.1-BamHI-R | CGC*GGATCC*cacctgcttgcctcccccgc |
| KIF5B-1-413-mcherry-BamHI-F | CGC*GGATCC*ATGgcggacccggccgaatg |
| KIF5B-1-413-mcherry-NotI-R | AAGGAAAAAA*GCGGCCGC*aaaatttccagtaactccaatagtg |
| KIF5B-413-678-mcherry-BamHI-F | CGC*GGATCC*ATGactgatgctgaaagaagaaagtg |
| KIF5B-413-678-mcherry-NotI-R | AAGGAAAAAA*GCGGCCGC*ctcttgtgctcgaagctggactag |
| KIF5B-678-963-mcherry-BamHI-F | CGC*GGATCC*ATGaaagtacatgaaatggaaaaggagc |
| KIF5B-678-963-mcherry-NotI-R | AAGGAAAAAA*GCGGCCGC*cacctgcttgcctcccccgc |

The italics represent enzymes.

**Supplementary Table S2：Primers used for mRNA quantification.**

|  |  |
| --- | --- |
| Primers | Sequences (5' to 3') |
| GAPDH Forward | ACATGGCCTCCAAGGAGTAAGA |
| GAPDH Reverse | GATCGAGTTGGGGCTGTGACT |
| KIF5B Forward | AGTACATCGCCAAGTTTCAGG |
| KIF5B Reverse | TCTCACTCCCTACTTCCCAG |
| FMDV Forward | CACTGGTGACAGGCTAAGG |
| FMDV Reverse | CCCTTCTCAGATTCCGAGT |