



Figure S1. Nsp6 orthologs with C-terminal mCherry tags were expressed in Vero cells and immunostained using antibodies recognising protein disulphide isomerase (PDI) to identify the endoplasmic reticulum. (A–C) show the distribution of MHVnsp6mCherry and PDI (A), SARS-CoV nsp6mCherry and PDI (D), and PRRSVnsp567mCherry and PDI (C).

## Supplementary Table 1

### Primers used for PCR

<b>NSP</b>	<b>For/Rev</b>	<b>Primer sequence 5'→ 3'</b>
IBVnsp4	For	CCGCTCGAGACCATGGGTATTGTTAGCGGCAC
IBVnsp 4	Rev	GTCGGGATCCCGTAATCTACTAACACCAATAG
IBVnsp 5	For	CCGCTCGAGACCATGCAATCTGGTTTTAAGAAAC
IBVnsp 5	Rev	GTCGGGATCCCGTTGTAATCTAACACCACCAATC
IBVnsp 6	For	CCGCTCGAGACCATGTCTTCTTTTGTAAAGAAAAGC
IBVnsp 6	Rev	GTCGGGATCCCGTTGAACTGTAGCAATAGG
IBVnsp6 $\Delta$ CD	Rev	GTCGGGATCCCGCCACCAATACAACCCAAAG
IBVnsp 7	For	CCGCTCGAGACCATGGCTAAATTGAGTGATGTAAAG
IBVnsp 7	Rev	GTCGGGATCCCGTTGTAATACAGTTGACCTC
IBVnsp 8	For	CCGCTCGAGACCATGTCCGTTACTCAAGAATTC
IBVnsp 8	Rev	GTCGGGATCCCGTTGCAAAACAACATCAACC
IBVnsp 9	For	CCGCTCGAGCTACCATGAATAATGAGCTTATGCCACATGG
IBVnsp 9	Rev	GTCGGGATCCCGCTGTAAGACAACAACATTAG
IBVnsp 10	For	CCGCTCGAGCTACCATGTCTAAAGGGCATGAAACAGAGG
IBVnsp 10	Rev	GTCGGGATCCCGTTGAACAGAAGATTTTGGTTGTC
IBVnsp 13	For	CCGCTCGAGCTACCATGTCTTGTGGCGTTTGTGTAGTTTG
IBVnsp 13	Rev	GTCGGGATCCCGTTGCAGACTTGTTCACTATC
IBVnsp 14	For	CCGCTCGAGCTACCATGGGTACAGGTTTGTAAAATTTGC
IBVnsp 14	Rev	GTCGGGATCCCGCTGGAGAGCTGAAAAAC
IBVnsp 15	For	CCGCTCGAGCTACCATGTCTATCGACAATATTGCTTA
IBVnsp 15	Rev	GTCGGGATCCCGTTGAAGCTGTGGATAACAT
IBVnsp 16	For	CCGCTCGAGCTACCATGTCAGCATGGACGTGTGGTTA
IBVnsp 16	Rev	GTCGGGATCCCGCATAGTGCACACAAAAGAG
PRRSVnsp5	For	CATGATCTCGAGACCATGGGAGGCCTCTCCACCGTC
PRRSVnsp7	Rev	GTACCAGGATCCGCTTCCCATTGGACTCTTCCATTCTC