

Expression Pattern Analysis of Antiviral Genes and Inflammatory Cytokines in PEDV-infected Porcine Intestinal Epithelial Cells

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Supplementary materials

Table S1. Information of qRT-PCR Primers

Gene	Primer Sequence (5' → 3')	GenBank Accession number	Product Length
<i>RIG-1</i>	F: AAGAAGAGTACCACTTAAACCCAG R: ATGCCTTCATCTGCCACCGA	NM213804.2	256 bp
<i>PKR</i>	F: TTGCGAGAAGGTAGAGCGTG R: TCATTCCCATCCCAGCAACC	XM021085862.1	90 bp
<i>OAS1</i>	F: CCAACAGGTTTCAGACAGCCT R: GAGGAGCCACCCTTCACAAC	NM214303.2	245 bp
<i>Mx1</i>	F: GTCATCGGGGACCAGAGTTC R: TCCCGGTAAGTACTTTGCC	NM214061.2	164 bp
<i>Mx2</i>	F: CCAGAGGCAGCGGAATCAT R: TTTGCGTATTTCCCGCTCCA	NM001097416.1	143 bp
<i>IFN-α</i>	F: TTCTGCACTGGACTGGATC R: TCTGTGGAAGTATTTCCCTCACAG	KF414740.1	103 bp
<i>IFN-β</i>	F: GCTAACAAGTGCATCCTCCAAA R: CCAGGAGCTTCTGACATGCCA	JN391525.1	124 bp
<i>TNF-α</i>	F: CCTACTGCACTTCGAGGTTATC R: GCATACCCACTCTGCCATT	JF831365.1	158 bp
<i>IL-6</i>	F: CTCTGTCTTAGGGCGTCC R: CAAGGAGGTACTGGCAGAAA	JQ839263.1	164 bp
<i>IL-8</i>	F: CCACACCTTTCCACCCCAAA R: TTGTTGCTTCTCAGTTCTCTTCA	NM213867.1	179 bp
<i>IL-12</i>	F: CAGGCCCAGGAATGTTCAAA R: CGTGGCTAGTTCAAGTGGTAAG	NM213993.1	166 bp
<i>GAPDH</i>	F: ACATCATCCCTGCTTCTACTGG R: CTCGGACGCCTGCTTCAC	AF017079.1	188 bp

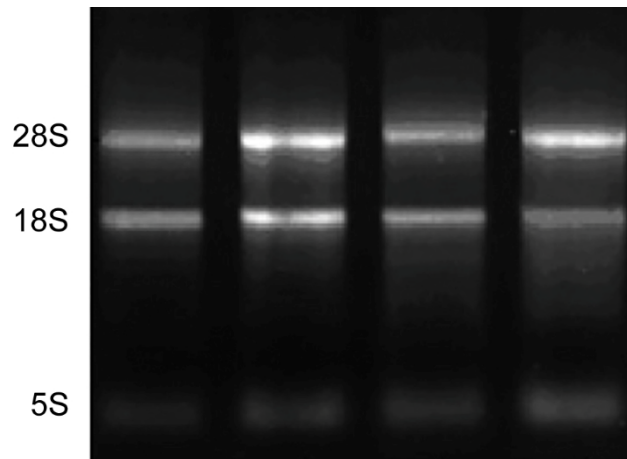


Fig. S1 Denaturing agarose electrophoresis results of cell total RNA

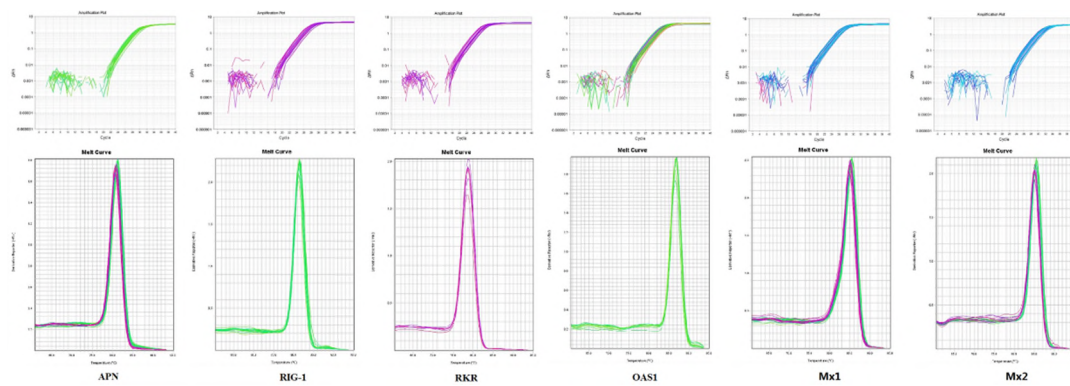


Fig. S2A Amplification curve and melting curve of *RIG-1*, *PKR*, *OAS1*, *Mx1* and *Mx2* genes

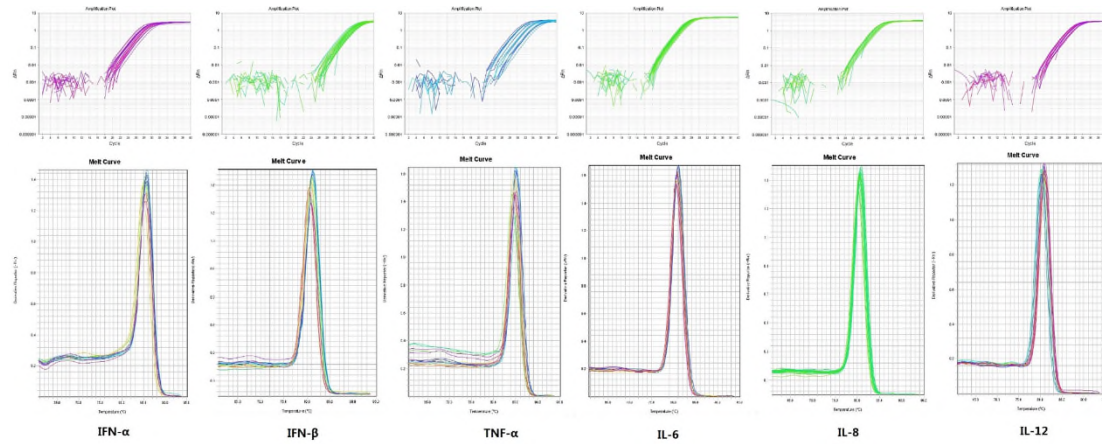


Fig. S2B Amplification curve and melting curve of *IFN-α*, *IFN-β*, *TNF-α*, *IL-6*, *IL-8* and *IL-12* genes