

## **Supplementary Information for**

**PCV2 and PRV coinfection induces endoplasmic reticulum stress via PERK-eIF2 $\alpha$ -ATF4-CHOP and IRE1-XBP1-EDEM pathways**

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







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**This PDF file includes:**

Figures S1 to S5

Table S1

## Supplemental figures

	PK	PCV2	PRV	PCV2+PRV
GRP78				
PCV2-Cap				
PRV-gD				

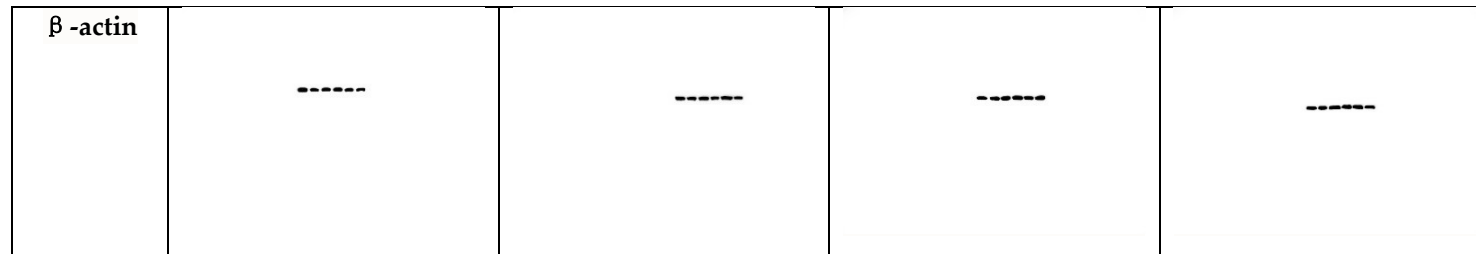


Figure S1 Original Western images used for preparing Figure 4B.

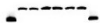






















	PK	PCV2	PRV	PCV2+PRV
ATF6				
PCV2-Cap				
PRV-gD				
$\beta$ -actin				

Figure S2 Original Western images used for preparing Figure 5B.

	PK	PCV2	PRV	PCV2+PRV
p-IRE1				
IRE1				
EDEM1				











PCV2-Cap				
PRV-gD				
$\beta$ -actin				

Figure S3 Original Western images used for preparing Figure 6A.

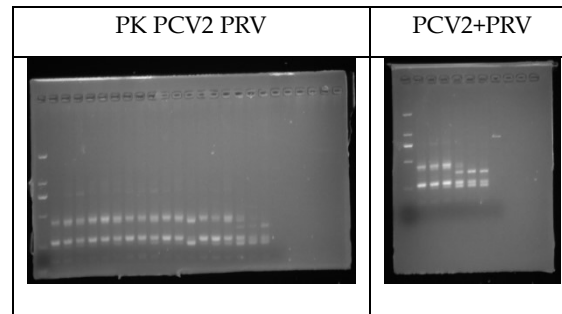

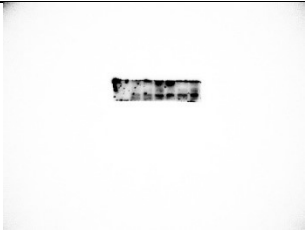
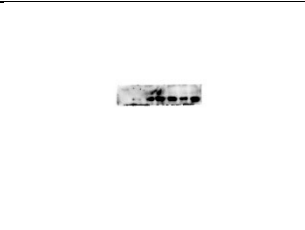
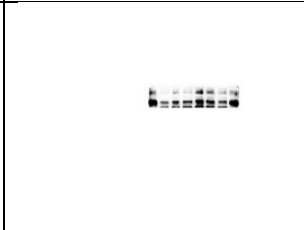


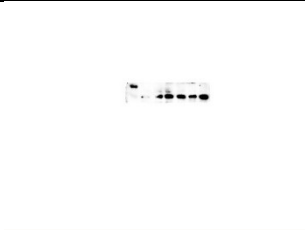

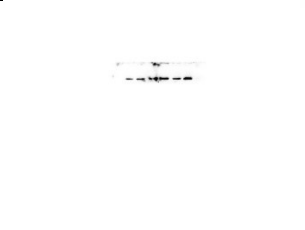

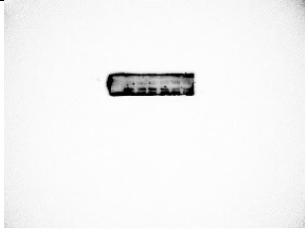



Figure S4: Original agarose gel images used for preparing Figure 6D.

	PK	PCV2	PRV	PCV2+PRV
p-eIF2 $\alpha$				
eIF2 $\alpha$				
ATF4				



CHOP				
PCV2-Cap				
PRV-gD				
$\beta$ -actin				

Figure S5 Original Western images used for preparing Figure 7C.

## Supplemental Tables

**Table S1. Primers used in this study.**

Genes	Sequence (5'-3')	GenBank ID	Size (bp)	Application
<i>grp78</i>	F: GTTCTTGTTGGTGGCTCTACT R: ACAGCCTCATCTGGGTTTATG	XM_001927795.7	104	qPCR
<i>atf4</i>	F: GTGGAAATCTCGGAAGGAGATAG R: AGGAGTCAGGGCTCATACA	NM_001123078.1	127	qPCR
<i>chop</i>	F: GAGGAGGAAGACCAAAGAAGAC R: CTGTGCCACTTTCCTTTCATT	NM_001144845.1	117	qPCR
<i>xbp1</i>	F: GAGACAGAGAGCCAAGCTAATG R: GATACCCAGCTCTGGAATGAAG	NM_001142836.1	138	qPCR
<i>(u/s) xbp1</i>	F: GGCAGAGACCAAGGGAATG R: GGGTCGACTTCTGGGAGCTG	NM_001142836.1	263	PCR <sup>[16]</sup>
<i>edem1</i>	F: GCAATCGTGTTCTGATGAAAG R: GGGAGAGCAGGTCAAATCAA	XM_021069285.1	100	qPCR
<i>atf6</i>	F: ACTGGAGAGTAGGTGAGAGAAG R: TTCCAAGTAGATGGGTGGATTG	XM_021089515.1	137	qPCR
<i>gapdh</i>	F: GCCATCACCATCTTCCAGG R: TCACGCCCATCACAAACAT	NM_001206359.1	190	qPCR
PRV	F: GGTTC AACGAGGGCCAGTACCG R: GCGTCAGGAATCGCATCACGT	NC_006151.1	195	qPCR
PCV2	F: TGTAGTATTCAAAGGGCACAGAGC R: CGGATATACTATCAAGAAAACCAC	NC_005148.1	131	qPCR