

Table S2: Primers used in this study.

Primer Name	Sequence (5'-3')	Purpose
siRNA-NC-F	UUCUCCGAACGUGUCACGUTT	Knockdown of ANXA2 gene in porcine cells, negative control
siRNA-NC-R	ACGUGACACGUUCGGAGAATT	
siANXA2-212#-F	GCCUUUGCCUACCAAAGAATT	Knockdown of ANXA2 gene in porcine cells
siANXA2-212#-R	UUCUUUGGUAGGCAAAGGCTT	
siANXA2-546#-F	GCUCUGUCAUUGAUUAUGATT	Knockdown of ANXA2 gene in porcine cells
siANXA2-546#-R	UCAUAAUCA AUGACAGAGCTT	
siANXA2-670#-F	CCUCCAGAAAGUAUUUGAATT	Knockdown of ANXA2 gene in porcine cells
siANXA2-670#-R	UUCAAAUACUUUCUGGAGGTT	
pig GAPDH-F	CCTTCCGTGTCCTACTGCCAAC	qPCR primers for pig GAPDH
pig GAPDH-R	GACGCCTGCTTCACCACCTTCT	
pig ANXA2-F	CCTGCTCAGTATGACGCT TCT	qPCR primers for pig ANXA2
pig ANXA2-R	TCTGGAGCAGATGATCTCAAT	
PRV UL54-F	TGCAGCTACACCCTCGTCC	qPCR primers for PRV UL54
PRV UL54-R	TCAAAACAGGTGGTTGCAGTAAA	
pig sgRNA1-F	CACCGCGCTGAAGTCAGCCTTGTC	Encoding sgRNA for Cas9 targeting exon 5 of ANXA2 to generate ANXA2-KO PK15 cells
pig sgRNA1-R	AAACGACAAGGCTGACTTCAGCGC	
pig sgRNA2-F	CACCGTCAGCCTTGTCGGCCACC	Encoding sgRNA for Cas9 targeting exon 5 of ANXA2 to generate ANXA2-KO PK15 cells
pig sgRNA2-R	AAACGGTGGCCGGACAAGGCTGAC	
PK15 ANXA2-F	GTTGTGTTATTTGTAACCTGCACT	Amplifying and identifying wild-type and ANXA2-KO PK15 cells
PK15 ANXA2-R	AATCTTTTTTAAGGAGGAAGTGTAATC	
PRV sgRNA24-F	CACCGCGACGAGATCCTGTACTCGG	Encoding sgRNA for Cas9 targeting US3 gene to generate PRV ΔUS3 virus
PRV sgRNA24-R	AAACCCGAGTACAGGATCTCGTCGC	
PRV sgRNA72-F	CACCGAGATCATCATCGACGGCGA	Encoding sgRNA for Cas9 targeting US3 gene to generate PRV ΔUS3 virus
PRV sgRNA72-R	AAACTCGCCGTCGATGATGATCTC	
PRV sgRNA654-F	CACCGCTACGACACCAAGGTCGACG	Encoding sgRNA for Cas9 targeting US3 gene to generate PRV ΔUS3 virus
PRV sgRNA654-R	AAACCGTCGACCTTGGTGTCGTAGC	
PRV sgRNA659-F	CACCGCGCGACCGCTACGACACCA	Encoding sgRNA for Cas9 targeting US3 gene to generate PRV ΔUS3 virus
PRV sgRNA659-R	AAACTGGTGTCGTAGCGGTCGCGC	
PRV US3-F	CAAGATCTATGGCCGACGCCGAATCCC	Amplifying and identifying wild-type and PRV ΔUS3 virus
PRV US3-R	CGGAATTCTTTATACGGTCCACATTCC	