

Supplementary tables

Supplementary Table S1. Primers and probes used in the genotyping experiment.

Marker	Gene	Primer sequence (5'→3')	Genotyping protocol
rs80800372	<i>GBP1</i>	Fw: AGACCTAGAATCTCCACAGAATTTCCA Rv: GGAAAGGACAGTTCGCTTCTCTAG Probe-A: VIC-CTGGGTGAT A AATAAAAT-NFQ ¹ Probe-G: FAM-TGGGTGAT G AATAAAAT-NFQ ¹	Allelic discrimination
rs340943904	<i>GBP5</i>	Fw: AGGATGGCTGCTAACACTTG Rv: GGAGGGAGAAGGATGGGTACT	HRM-qPCR
c.3534C>T	<i>CD163</i>	Fw: CTCCTGGTATTCCAAAGACTGC Rv: GAAAATCAAGAACAAGAATCAGCA	HRM-qPCR
rs1107556229	<i>CD163</i>	Fw: ATTGCAGGCATAAGGAGGATG Rv: GAGGTGATGTGCAGAACTTACC	HRM-qPCR
-547ins+275	<i>MX1</i>	Fw: CCAGATTGCCAAATTCCTA Rv: CAGGCTAGGGGTTGACTCAG	End-point PCR
-1533G>A	<i>USP16</i>	Fw: ATGCAGGAAAGAAGGGAAGG Rv: GGGACATGAACACAAACACG	HRM-qPCR
rs325981825	<i>HDAC6</i>	Fw: GAAGTCTCCCCAGCCATGAC Rv: TGGGGGTTGTGCCTACTTC	HRM-qPCR
g.2360C>T	<i>HDAC6</i>	Fw: TTCTCAGTCACCTCCATCCC Rv: GGTTGTGCCTACTTCTTCGC	HRM-qPCR

¹ NFQ – non-fluorogenic quencher

Supplementary Table S2. Primers used to sequence the *HDAC6* exons.

Primer name	Target region	Primer sequence (5'→3')	PCR Length
HDAC6-Fg1	Exon 1	Fw: CATGGGGTGGGAGAGAGTT Rv: GCGGTTTCTTTGTCCCTGT	727bp
HDAC6-Fg2	Exons 3-5	Fw: GATGGAGGCTAGCGTAGGG Rv: TGAGTATGGCCTGGAGAAGC	695bp
HDAC6-Fg3	Exons 12-15	Fw: TGGGGGAACTAAGGAGAGAA Rv: CCCACTTAACTCAGGGATCG	862bp
HDAC6-Fg4	Exons 16-20	Fw: CCCTCACATTCCCCCTCCTA Rv: CCTCTCCTGGAGCCTAAGGT	1287bp
HDAC6-Fg5	Exon 25-27	Fw: TCCAGTCTCCCCAGTTGTCT CACAAACGGGCCAAAGAAGG	997bp

Supplementary Table S3. Comparison of the probability of abortion during a PRRSV outbreak by marker genotype in the sow population studied.

Marker	Gene	p-value	AA	AB	BB
rs80800372	<i>GBP1</i>	0.01	0.16	0.12	0.27
rs340943904	<i>GBP5</i>	0.002	0.08	0.13	0.30
c.3534C>T	<i>CD163</i>	0.35	0.16	0.18	0.25
rs1107556229	<i>CD163</i>	0.0001	0.56	0.16	0.22
-547ins+275	<i>MX1</i>	0.01	0.03	0.25	0.26
rs325981825	<i>HDAC6</i>	0.003	0.40	0.27	0.16
g.2360C>T	<i>HDAC6</i>	0.43	0.33	0.26	0.21

**A and B refer to minor and alternative allele, respectively*