Table S1. Primer information of plasmid construction and RT-qPCR for porcine *HHEX* gene.

Primer	Primer sequence (5'-3')	Product Size (bp)	Tm (℃)	Usage
pGL4-P1: −1809/-1	F: TAAGCTAGCATCAGGGCGTGCGTGTAG R: TAAGCTAGCGGCCCGCGCCGCGGCGCTAC	1809	60	Promoter vector construction
pGL4-P1: −1424/-1	F: TAAGGTACCTGGGTTTGAAGTGTTAGTCC R: TAAGCTAGCGGCCCGCGCCGCGGCGCTAC	1424	60	Promoter vector construction
pGL4-P1: −1094/-1	F: TAAGGTACCGGACCTTAGCAGAAACCG R: TAAGCTAGCGGCCCGCGCCGCGGCGCTAC	1094	60	Promoter vector construction
pGL4-P1: −586/-1	F: TAAGGTACCGCCTGTGCCACCGTTACTC R: TAAGCTAGCGGCCCGCGCCGCGGCGCTAC	586	60	Promoter vector construction
pGL4-TA	F: TAAGGTACCGGTGGAGGTGTGTTCCCACC R: TAAGCTAGCTGCGCCCCCGTGCCCAGCTG	189	60	TA haplotype vector construction
pGL4-CG	F: TAAGGTACCGGTGGAGGTGTGTTCCCACC R: TAAGCTAGCTGCGCCCCCGTGCCCAGCTG	189	60	CG haplotype vector construction
pGL4-TG	F:TAAGGTACCGGTGGAGGTGTGTTCCCACC GGGGCTACAG**T**CGCTTGAATCCGCCTTCC R: TAAGCTAGCTGCGCCCCCGTGCCCAGCTG	189	60	TG haplotype vector construction
pGL4-CA	F: TAAGGTACCGGTGGAGGTGTGTTCCCACC R:TAAGCTAGCGCGCCCCCGTGCCCAGCTGC CCGCACGCT**T**GGGGCTCCAGGCAC	189	60	CA haplotype vector construction
HHEX	F: CGCCTTCTCGCACCACT R: GGCCGCCTTTCCTTTT	191	60	RT-qPCR
β-actin	F: GCCAACCGTGAGAAGATGACT R: GTGACCCCATCCCCAGAGT	140	60	RT-qPCR

The mutation sites are highlighted in bold and underlined.