

Appendix A. Table A2. Genotype and allele frequencies of gene markers associated with meat quality markers in Philippine native swine (markaduke).

Molecular marker Genotype and Allele	Observed			Expected			Chi square, χ^2		
	Male	Female	Both	Male	Female	Both	p-value	p-value	p-value
A. Rendement napole (RN)							0.0001	0.0001	0.0001
RNRN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
RNrn	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
nrn	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000			
RN	0.0000	0.0000	0.0000						
rn	1.0000	1.0000	1.0000						
B. Cathepsin D (CTSD)							0.5000	0.8000	0.7000
AA	0.5000	0.9000	0.8333	0.5625	0.9025	0.8403			
AG	0.5000	0.1000	0.1667	0.3750	0.0950	0.1528			
GG	0.0000	0.0000	0.0000	0.0625	0.0025	0.0069			
A	0.7500	0.9500	0.9167						
G	0.2500	0.0500	0.0833						
C. Leptin receptor (LEPR)							0.8000	0.5000	0.5000
AA	0.0000	0.0000	0.0000	0.0069	0.0080	0.0078			
AB	0.1667	0.1786	0.1765	0.1528	0.1626	0.1609			
BB	0.8333	0.8214	0.8235	0.8403	0.8294	0.8313			
A	0.0833	0.0893	0.0882						
B	0.9167	0.9107	0.9118						
D. Lipoprotein lipase (LPL)							0.5000	0.5000	0.5000
CC	0.0000	0.2000	0.1667	0.0625	0.2500	0.2101			
CG	0.5000	0.6000	0.5833	0.3750	0.5000	0.4965			
GG	0.5000	0.2000	0.2500	0.5625	0.2500	0.2934			
C	0.2500	0.5000	0.4583						
G	0.7500	0.5000	0.5417						
E. Calpastatin (CAST)							0.7000	0.1000	0.2000
CC	0.7500	0.3333	0.4091	0.7656	0.4082	0.4649			
CD	0.2500	0.6111	0.5455	0.2188	0.4614	0.4339			
DD	0.0000	0.0556	0.0455	0.0156	0.1304	0.1012			
C	0.8750	0.6389	0.6818						

D	0.1250	0.3611	0.3182						
F. Insulin-like growth factor binding protein 3 (IGFBP3)							0.0100	0.9000	0.5000
AA	0.0000	0.0000	0.0000	0.2500	0.0009	0.0142			
AG	1.0000	0.0588	0.2381	0.5000	0.0571	0.2098			
GG	0.0000	0.9412	0.7619	0.2500	0.9420	0.7761			
A	0.5000	0.0294	0.1190						
G	0.5000	0.9706	0.8810						
G. Insulin-like growth factor binding protein 7 (IGFBP7)							0.7000	0.5000	0.5000
CC	0.0000	0.0000	0.0000	0.0035	0.0064	0.0056			
CG	0.1176	0.1600	0.1493	0.1107	0.1472	0.1381			
GG	0.8824	0.8400	0.8507	0.8858	0.8464	0.8563			
C	0.0588	0.0800	0.0746						
G	0.9412	0.9200	0.9254						

Favorable genotypes and alleles are marked in bold.