

Supplemental Table S1. Primer sequences used for real-time PCR analysis

Gene	Forward (5'-3')	Reverse (5'-3')	Product size (bp)
Lipid metabolism related genes			
<i>ACACA</i>	TGGATGAGTTGGAAGTCGCT	GGAGGACGCGTAATTTCCAC	168
<i>ACOX1</i>	TCACAGGAAGAGCAAGGAGG	CGTGGGTGACTTGAGACTCT	242
<i>ACSL3</i>	GCAAGCGTGGAAAACAAACC	AGACAGACAAGCTCAGCACT	233
<i>ACSS2</i>	CATCCTGTGAAGGGCGAATG	CCGCCTCATGATTTTCCCTG	186
<i>ADIPOQ</i>	AGGCTGGATGGCGGGTAT	TGCTGAACGGTAGACATAGGC	232
<i>ADIPOR1</i>	AGCATCTTCCGCATCCAC	ACATCCCAAACACCACCTT	148
<i>AGPAT1</i>	TCTACAACGGCTGGATCCTC	TTGGAGACGACGACATAGGG	190
<i>CEBPA</i>	TGGACAAGAACAGCAACGA	ATCTGGAGACCCGAAACCA	317
<i>CEBPB</i>	TTCTACTACGAGGCGGACTG	CAGGTATGGGCTGAAGTCGA	153
<i>CAT</i>	AGATGGACACAGGCACATGA	CCGGATGCCATAGTCAGGAT	172
<i>CD36</i>	CGTGCCTATCCTCTGGCTTA	AGTTGCAGGGACACTCATGA	232
<i>CPT1B</i>	CCCAATTCCAGATCCGCATG	TGAGAACTTGCTGGAGACGT	155
<i>DGAT1</i>	CTCTTCCACTCCTGCCTGAA	ACTCGTGGGAAGAAGGCTGAA	229
<i>DGAT2</i>	CAGTGGGTCCTGTCTTTCCT	TCGAAAGTAGCGCCAAACAG	189
<i>FABP3</i>	GAGTTTGATGAGACAACAGCAG	TCTTCTCGTAAGTGCGAGTGC	188
<i>FABP4</i>	CTGAGATTGCCTTCAAATTG	CTTGGCTTATGCTCTCTCATA	225
<i>FASN</i>	CTGATCAAGGTGCTGCTGTC	CGAAGGAGTTTATGCCACG	160
<i>LEP</i>	CCCTCTGAATGGTCTGGGTT	AGACCTCCAGAGCTTTCAC	155
<i>LEPR</i>	ATGACTTCCTCTGCCTGCT	TTCCCTGCAATGTTGTCTGC	196
<i>LIPE</i>	TGCCTTAATGTGCCTCCTGA	ATACCCGCAAAGACACCTGA	170
<i>LPL</i>	AAACATCCCTTTCACCCTG	TGAGTCTCTCCTGCCTTCA	195
<i>MGLL</i>	CGTGGATGTCATGCAGAAGG	AAGGTTGAGCACTTTCGCAG	199
<i>PNPLA2</i>	CGTGTACTGCAGCCTCATTC	GAAGTGGATGCTGGTGTGG	196
<i>PPARA</i>	ATGAACAAGGACGGGATGC	AAGAGGGAAAGGTCAGTGTGC	161
<i>PPARG</i>	CAGCATTTCCTCCACAC	GACACAGGCTCCACTTTGA	123
<i>RXRG</i>	AGTTGTGAAGGCTGCAAAGG	GCCTTCTTCTTGACAGCT	178
<i>SCD</i>	AGAAGACATCCGCCCTGAAA	TCTTGCAGGTGGGGATCAAT	164
<i>SLC27A1</i>	AGGAGTAGAGGGCAAAGCAG	CTGCTCAGGTCCAGGAAGA	241
<i>SLC2A4</i>	CCCCTGTGTGACTCTTGGAT	CTCCCCGAAAAGTCAGTCTT	190
<i>SREBF1</i>	TACCGCTCCTCCATCAAT	GGTCCTTCAGAGACTTGCTT	196
Reference genes			
<i>B2M</i>	AAACGGAAAGCCAAATTACC	ATCCACAGCGTTAGGAGTGA	178
<i>EEF1A1</i>	CAGATCAGTGCTGGTTACGC	ATCGACAATGGCAGCATCAC	156
<i>GAPDH</i>	TCCAGTATGATTCCACCCAC	GGAGGCATTGCTGACAATCT	314
<i>PPIA</i>	TCTGAGCACTGGGGAGAAAG	TTTGCCATGGACAAGATGCC	192
<i>TBP</i>	GATGGACGTTTCGGTTTAGG	AGCAGCACAGTACGAGCAA	193

Supplemental Figure S1. mRNA abundance of lipid metabolism genes in backfat tissues in Laiwu and Duroc×Landrace×Yorkshire (DLY) pigs. * $p < 0.05$.

