

**Table S2.** Estimate ( $\pm$ SE) of additive and dominant effects associated with g.2064T>A (SNP1), g.2155C>T (SNP2), g.2268T>C (SNP4), g.2274G>A (SNP5), g.2340A>G (SNP6), g.2350T>C (SNP7), and g.2370A>G (SNP8) on phenotypic traits<sup>1</sup>.

SNP	Trait	Additive effect	Dominant effect
SNP 1/2/4/5/6/8	PL content <sup>2</sup>	0.001 $\pm$ 0.003	-0.01 $\pm$ 0.004**
	Adjusted backfat thickness	0.03 $\pm$ 0.01*	-0.01 $\pm$ 0.02
SNP 7	Fatty acids <sup>2</sup>		
	C17:1	0.01 $\pm$ 0.01	0.03 $\pm$ 0.01*
	C18:1 trans	0.16 $\pm$ 0.08*	0.09 $\pm$ 0.10
	C18:1 n7	0.03 $\pm$ 0.01*	0.03 $\pm$ 0.02

<sup>1</sup>Values are expressed as Least Squares Means  $\pm$  Standard Error. Only estimates significantly different from 0 are listed in the table. The dominance effect was estimated as the difference between the heterozygous group and the average of the two homozygous groups for each SNP. The additive effect was estimated as half of the difference between the two homozygous groups.

<sup>2</sup>Contents are expressed as mg/g of beef.

\* $P \leq 0.05$ ; \*\* $P \leq 0.01$ .