

S2 Table. Effects of *LEPR* (rs709596309) genotype on sow milk fatty acid composition. Mean of the estimated marginal posterior distribution of the difference between sow *LEPR* genotypes (TT, $n=28$, and C-, $n=84$) and probability of this difference being greater than zero ($P>0$) for fatty acid composition (% of total fatty acids) of sow milk. *LEPR* genotypes were considered to differ if this probability value was <0.05 (C- is higher than TT) or >0.95 (TT is higher than C-).

| Fatty acid, % | Mean | SD | Difference TT - C- | P>0 |
|------------------------------------|-------------|-----------|-------------------------------|---------------|
| Capric acid (C10:0) | 0.2 | 0.1 | -0.03 | 0.12 |
| Lauric acid (C12:0) | 0.4 | 0.3 | -0.03 | 0.27 |
| Myristic acid (C14:0) | 3.5 | 0.9 | 0.13 | 0.78 |
| Myristoleic acid (C14:1n5) | 0.2 | 0.1 | -0.02 | 0.21 |
| Palmitic acid (C16:0) | 28.1 | 3.5 | 0.87 | 0.92 |
| Palmitoleic acid (C16:1n7) | 8.7 | 2.7 | 0.36 | 0.76 |
| Stearic acid (C18:0) | 4.2 | 0.8 | -0.18 | 0.13 |
| Vaccenic acid (C18:1n7) | 2.5 | 0.5 | -0.17 | 0.01 |
| Oleic acid (C18:1n9) | 33.9 | 5.6 | -0.52 | 0.32 |
| Linoleic acid (C18:2n6) | 14.7 | 3.7 | -0.48 | 0.23 |
| α -linolenic acid (C18:3n3) | 1.1 | 0.3 | 0.01 | 0.54 |
| Eicosanoid acid (C20:1n9) | 0.4 | 0.2 | <0.01 | 0.49 |
| Eicosadienoic acid (C20:2n6) | 1.0 | 0.5 | -0.06 | 0.20 |
| Saturated fatty acids | 36.6 | 4.0 | 0.75 | 0.85 |
| Monounsaturated fatty acids | 46.1 | 4.7 | -0.32 | 0.36 |
| Polyunsaturated fatty acids | 17.3 | 3.4 | -0.45 | 0.25 |