

Table S1: MiR-497 and siRNA-LATS2 sequences

Name	Mature sequence	Mature sequence	sense (5'-3')	antisense (5'-3')
>bta-miR-497 MIMAT0004343	CAGCAGCACACUGUGUUUGUA	siRNA-LATS2	CCGUCAGCCUUAAGUUCUTT	AGAACUUGAAGGCUGACGGTT

Table S2: Primers for genes related to milk fat metabolism

*Primer sequences(5'–3')	*The primer name
GTACAGATGCAGCCTCATTTC	F:CD36
TGGACCTGCAAATATCAGAGGA	R:CD36
GTGGGCTCCTTTGAAGAACTGT	F: ACSL1
ATAGATGCCTTTGACCTGTTCAAAT	R: ACSL1
CCATCGCCTGTGGAGTCAC	F: SCD
GTCGGATAAATCTAGCGTAGCA	R:SCD
CGGTGTCCACGCATGTGA	F: PPARa
TCAGCCGAATCGTTCTCCTAAA	R:PPARa
CCTTCACCACCGTTGACTTCT	F: PPARG
GATACAGGCTCCACTTTGATTGC	R:PPARG
TGTGGCCCTTGGATATGGTT	F: UXT
GGTTGTCGCTGAGCTCTGTG	R:UXT

Table S3: Synthesized the LATS2 gene 3'-UTR primer

*Primer sequences(5'–3')	*The primer name
ccgctcgagGTACAGTAGAAAGAGCACTTA	LATS2-up
ATTGAAGAACATGTGATAAGcgccggcgataaaa	LATS2-Down
TTGACAAATCATTTTTTTGTTATT	LATS2-overlap