

***MicroRNA-212* Targets *SIRT2* to Regulate Lipogenesis in Bovine Mammary Epithelial Cell Line**

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SUPPLEMENTARY FILE

Supplementary Materials and Methods

Cultivation of MAC-T cells and HEK 293T cells

The MAC-T cells and the HEK 293T cells were cultivated in complete DMEM/ F-12 medium (Gibco, cat: 11330032) mixed with 10% fetal bovine serum (FBS) (Gibco, cat: 10099141), 100 µg/ ml penicillin, and 100 µg/ ml streptomycin at 37°C in humid Cell culture incubator (150i, Thermo Fisher, USA) with 5% CO₂.

Primer sequences

The sequences of the *miR-212* mimics used were 5'-ACCUUGGCUCUAGACUGCUUACU-3' and 5'-UAAGCAGUCUAGAGCCAAGGUUU-3'.

The sequence of the *miR-212* inhibitor were 5'-AGUAAGCAGUCUAGAGCCAAGGU-3'

The sequences of the *miR-375* mimics were 5'-UUUUGUUCGUUCGGCUCGCGUGA-3' and 5'-ACGCGAGCCGAACGAACAAAUU-3'

The sequence of the *miR-375* inhibitor was 5'-UCACGCGAGCCGAACGAACAAA-3'

The sequences of the *miR-655* mimics were 5'-
AUAUACAUGGUUAACCUCUCU-3' and 5'-
AGAGGUUAACCAUGUAUUAUUU-3'

The sequence of the *miR-375* inhibitor was 5'-
AGAGAGGUUAACCAUGUAUUAU-3'.

Supplementary Figure Legends

Fig. S1 miR-212, miR-375 and miR-655 were predicted to target the 3'UTR of *SIRT2*.

Fig. S2 The agarose gel electrophoresis results of RNA extraction from MAC-T cells.

Fig. S1

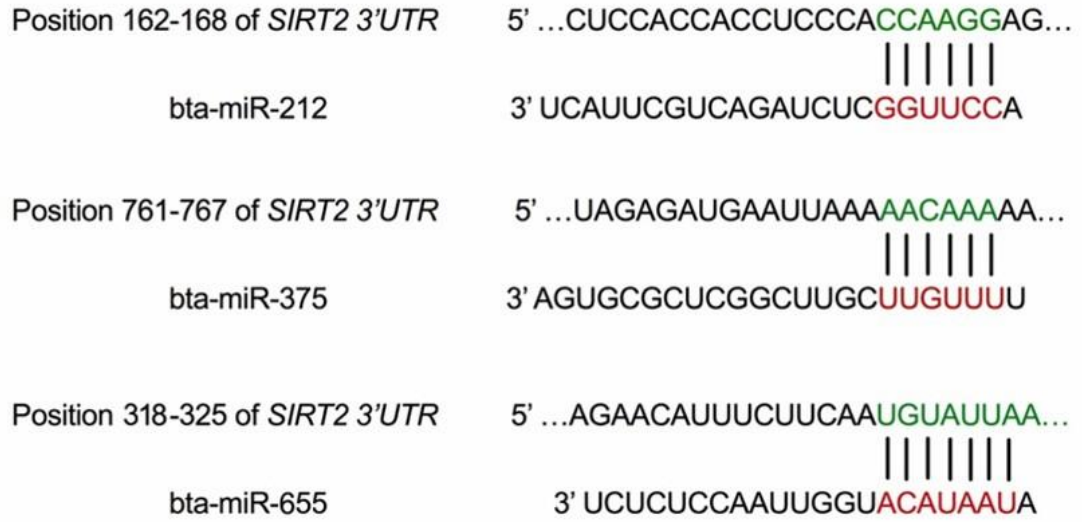


Fig. S2

