

**Table S1.** siRNA sequences for SIRT3 silencing.

RNA	Sequence
si-SIRT3-1	sense: 5'-GGUGGAGGAUGGUCCAUAUTT-3' antisense: 5'-AUAUGGACCAUCCUCCACCTT-3'
si-SIRT3-2	Sense: 5'-CCAGCGGCAUCCCAGACUUTT-3' antisense: 5'-AAGUCUGGGAUGCCGCUGGTT-3'
si-SIRT3-3	sense: 5'-CCCUGACUCAAAAGCUCGUUTT-3' antisense: 5'-AACGAGCUUUGAGUCAGGGTT-3'
Negative Control	sense: 5'-UUCUCCGAACGUGUCACGUTT-3' antisense: 5'-ACGUGACACGUUCGGAGAATT-3'

**Table S2.** The primers sequences for qRT-PCR.

Gene	Access number	Primer sequences (5'-3')	Product length (bp)
MTP	NM_001101834.1	F: CCATTCGGCATCTACTTACAGC R: AGCCAGCATAGGAGTCAAGGTTCT	187
ApoB	BC_103438.1	F: GATACTCAGAACGGAGCAAT R: GCACCAATCAGATAACAGGA	223
ApoE	NM_173991.2	F: TCCTGAATGACCTGGGTGTTG R: TCTGTGGGTTGCCGTGGTG	217
$\beta$ -actin	BC-142413.1	F: GCCCTGAGGCTCTCTTCCA R: GCGGATGTGACGTCACA	101