

Table S1. The sequences of siRNAs for PER2 silencing

siRNA	sense	antisense
siRNA-PER2-a	CCAGAAACCUUUGGCCUAATT	UUAGGCCAAAGGUUUCUGGTT
siRNA-PER2-b	GCAACCCUGCUUCAGAAAUTT	AUUUCUGAAGCAGGGUUGCTT
siRNA-PER2-c	GGAGGAGACCGAAACUUGUAATT	UUACAGUUUCGGCUCUCCUCCTT
Negative control	UUCUCCGAACGUGUCACGUTT	ACGUGACACGUUCGGAGAATT

Table S2. The Primer sequences of apoptosis pathway genes

Gene	NCBI accession	Primer sequence (F:5'→3')	Primer sequence (R:5'→3')
<i>PER2</i>	NM_001192317.1	agcgtgttccatagctccac	atctcgtctcgtggcttt
Cell apoptosis-related genes			
<i>Caspase 3</i>	NM_001077840.1	ggagacgggttgaggacaat	cagagtgcccaactgactga
<i>Caspase 8</i>	NM_001045970.2	catcatctatggctccgatg	gagtcggctcacaacggctac
<i>P53</i>	NM-174201.2	atttacgcgcggagtatttg	ccagtgtgatgatggtgagg
<i>β-actin</i>	U02295.1	actgttagctgcgttacaccctt	tgctgtcaccttcaccgttc
Lipid synthesis-related genes			
<i>SCD</i>	NM_173959.4	taccacgttcttcattgattgc	acgtcatctttagcatcctggt
<i>LPL</i>	NM_001075120.1	gaccccttggtgaatgtgtgtg	gccatatagagaacatgccgca
<i>ACACA</i>	NM_174224.2	ttaatcaaacactccgtatgtgaccaa	gactgccgaaacatttctgggat
<i>SREBF1</i>	NM_001113302.1	acgccatcgagaaacgctac	gtgcgcagactcaggttctc
<i>mTOR</i>	XM_002694043.6	<u>atgctgtccctggctccttatg</u>	gggtcagagagtggccttcaa
<i>FAS</i>	U34794.1	gaacatgggctagaagtgaac	ctattgggatgaggaggatcag
<i>PPARG</i>	NM_181024.2	taccaaagtgaatcaaagtgg	atagtgaaccctgacgttta
<i>LPIN1</i>	NM_001206156.2	ttcccgaccgtcaacaccta	caacgggctggactcttca
<i>β-actin</i>	U02295.1	actgttagctgcgttacaccctt	tgctgtcaccttcaccgttc