

Reducing Smad3/ATF4 was essential for Sirt1 inhibiting ER stress-induced apoptosis in mice brown adipose tissue

Supplementary Materials

Supplementary Table S1: Primer sequences for real-time PCR

Gene	RT-PCR primers (5'-3')
<i>Sirt1</i>	F ^a : TCAGTGTTCATGGTTCCTTTGC R ^b : AATCTGCTCCTTTGCCACTCT
<i>Sirt2</i>	F: AATACCCGCTAAGCTGGATGA R: TGCATACAGGAGAAGAAACGC
<i>Sirt3</i>	F:CTGGATGGACAGGACAGATAAG R:TCTTGCTGGACATAGGATGATC
<i>UCP1</i>	F: ACTGCCACACCTCCAGTCATT R:CTTTGCCTCACTCAGGATTGG
<i>PRDM16</i>	F: AGCCCTCGCCCAACTTGC R: TGACCCCGGGCTTCGGTTCA
<i>PGC1-α</i>	F: CATGGATGGCCTATTTGATGAC R: CACGGAGAGTTAAAGGAAGAGC
<i>Cidea</i>	F:TGCTCTTCTGTATCGCCAGT R:GCCGTGTTAAGGAATCTGCTG
<i>GRP78</i>	F: ACCTATTCCTGCGTCGGTGT R: GCATCGAAGACCGTGTCTC
<i>Chop</i>	F: GACGCTTCACTACTCTTGACCCTGCG R: GGATGTGCGTGTGACCTCTGT
<i>ATF4</i>	F:CCTAGGTCTCTTAGATGACTATCTGGAGG R:CCAGGTCATCCATTCGAAACAGAGCATCG
<i>ATF6</i>	F:TACCACCCACAACAAGACCA R:TGATGATCCCGGAGATAAGG
<i>Caspase3</i>	F:GGCTTGCCAGAAGATAACCGGT R:GCATAAATTCTAGCTTGTGCGCGT
<i>Caspase12</i>	F:CTCTAACTGTCCGAGTCTGAGAAACA R:TCAGCAGTGGATATCCCTTTG
<i>Bcl-2</i>	F:CTGGTGGACAACATCGCTCTG R:GGTCTGCTGACCTCACTTGTG
<i>Bax</i>	F:TGGTTGCCCTTTTCTACTTTG R:GAAGTAGGAAAGGAGGCCATC
<i>Smad3</i>	F:ACCATCCCCAGGTCCCTGGATGGCC R:AACTCGGCCGGGATCTCTGTGTGGCGT
<i>Smad5</i>	F:CAACACAGCCTTCTGGTTCA R:TTGACAACAAACCCAAGCAG
<i>β-actin</i>	F: ACTGCCGCATCCTCTTCCTC R: CTCCTGCTTGCTGATCCACATC

F^a: Forward primer

R^b: Reverse primer