

Berberine promotes beige adipogenic signatures of 3T3-L1 cells by regulating post-transcriptional events

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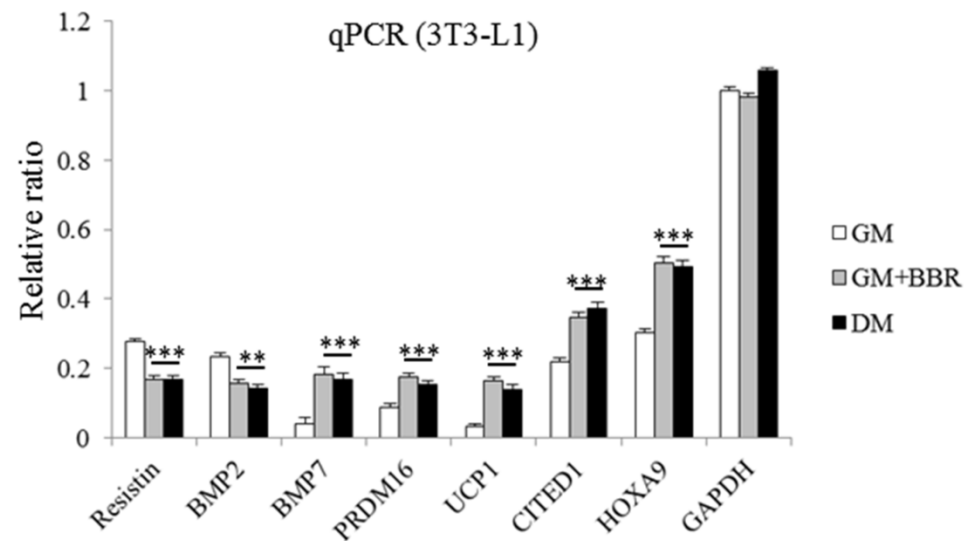
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Fig. S1



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3 **Supplementary Figure S1. Berberine (BER) treatment modulates the**
 4 **adipocyte-related gene expressions.** 3T3-L1 cells were cultured in growth medium,
 5 BBR-supplemented growth medium (5 μ M) or differentiation medium for 48 h. Total
 6 RNAs extracted from the *in vitro* cultured cells were subjected to qPCR assays using
 7 specific primer sets as listed in supplementary Table 2.

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1 Supplementary Table S1. PCR Primers.

Target	Forward	Reverse
LIPIN1-AS	tcccagttcggacagagaat	gccagagcatttccaggtta
PKM-AS	agaacagccaaaggggact	caacatccatggccaagtt
PRDM16-AS	gagccccaaggagtctatga	cgagggtcctgtgatgttcaa
BMP2	ccaagagacatgtgaggatt	ttagtggagttcaggtggtc
Resistin	aagaacctttcatttcccctcct	gtccagcaatttaagccaatgtt
CITED1	cgggggtcaccgcaaattgga	ctcatccaccgggtcagaa
HOXA9	cagtgtatcatcaccaccacca	gaggagaaccacaagcatagt
PRDM16-Total	gtcagaggagaaatttgatgg	agaaggaatgctgtgagtag
UCP1	ctcaggattggcctctacgactc	ttggtgtacatggacatcgca
RBM4a	taggatccgcagtgcgtac	ttaaaggctgagtcgcgcg
SRPK1	tccaggccccgaaagaaa	gaatatcccatgataacca
GAPDH	cggagtcaacggatttggctgatg	agccttctccatgggtggaagac
SP1	tctgctctccatctatgtt	tagggaaagaccactgagg
MYC	gtgaacttgacctcacagc	tggaactgtgggattacttg
C13orf25 (promoter)	atatagatcttgcgcgggaaacgggtt	atataagcttccatacaaattcagcataatcc
miR-92a	tattgcacttgtcccgccctgt	ccgaggcggccgacatgttt
miR-485	agaggctggccgtgatgaattc	ccgaggcggccgacatgttt
miR-92a expressing	gtgaattcctgtgtgatattctgctg	ggctcagtgccaaatctgacacgc
RBM4a (201-652)	gtgaattcctgtgtgatattctgctg	atcgcgccgcgcgctccgtacgcgttggtg

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1 Supplementary Table S2. qPCR Primers.

Target	Forward	Reverse
BMP2	ccaagagacatgtgaggatt	ttagtggagttcaggtggc
Resistin	cctacacactcagcagtacggac	tcaaactctgtatagaacttcgga
CITED1	cggggtcaccgcaaatgga	ctcatccaccgggtcagaa
HOXA9	cagtgtatcatcaccaccacca	gaggagaaccacaagcatagt
PRDM16	gacattccaatcccaccaga	cacctctgtatccgtcagca
UCP1	tacacggggacctaataatgct	ggctactggaagatatggc
RBM4a	atgccttcgtacacatggagcg	ggctgggtggacaactgcacgt
SRPK1	cctcattcaggggaagagtaca	ctgccacaatgagcttgc
GAPDH	aaggctcatcccagagctgaa	ctgcttcaccaccttcttga
miR-92a	tattgcactgtcccggcctgt	ccgaggcggccgacatgttt
miR-485	agaggctggccgtgatgaattc	ccgaggcggccgacatgttt

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