

Supplemental Table S1. Sequences of primers used for PCR.

Gene	Forward	Reverse
<i>β-actin</i>	CCCTACAGTGCTGTGGGTTT	GAGACATGCAAGGAGTGCAA
<i>Acc1</i>	GCCTCTTCCTGACAAACGAG	TGACTGCCGAAACATCTCTG
<i>Ampk</i>	TGTTCCAGCAGATCCTTTCC	ATAATTGGGTGAGCCACAGC
<i>Cebpa</i>	ATCAGCGCCTACATTGATCC	TTGCTTGGCTGTCGTAGATG
<i>Fas</i>	CCCTTGATGAAGAGGGATCA	ACTCCACAGGTGGGAACAAG
<i>Pgc1a</i>	AATGCAGCGGTCTTAGCACT	GTGTGAGGAGGGTTCATCGTT
<i>Ppara</i>	TCTTCACGATGCTGTCTCCT	CTATGTTTAGAAGGCCAGGC
<i>Pparg</i>	CCCTGGCAAAGCATTGTAT	GAAACTGGCACCCTTGAAAA
<i>Prdm16</i>	GGCATGACTTGCTGACTCAA	GGTGTGGACTGGTCTGGTCT
<i>Srebp1</i>	GAGCCTTCAGACACGTCCTC	ACTCTTCTGGTGTGGCTGCT
<i>Ucp1</i>	CTGCCAGGACAGTACCCAAG	GCCACAAACCCTTTGAAAAA

Supplemental Table S2. Sequences of primers used for bacterial profiling

Target	Forward	Reverse	Reference
Uni (F341/R518)	CCTACGGGAGGCAGCAGT	ATTACCGCGGCTGCTGG	Lubbs (2009)
Bacteroidetes	GGARCATGTGGTTTAATTCGATGAT	AGCTGACGACAACCATGCAG	Guo (2008)
Firmicutes	TGAAACTYAAAGGAATTGACG	ACCATGCACCACCTGTC	De Gregoris (2011)
<i>Akkermansia muciniphila</i>	CTGAACCAGCCAAGTAGCG	CCGCAAACTTTCACAACTGACTTA	Collado (2007)
<i>Bifidobacterium bifidum</i>	ATTTGAGCCACTGTCTGGTG	CATCCGGGAACGTCGGGA AA	Sul (2007)
<i>Bifidobacterium breve</i>	AATGCCGGATGCTCCATCACAC	GCCTTGCTCCCTAACAAAAGAGG	Rinne (2005)
<i>Bifidobacterium longum</i>	GGATGTTCCAGTTGATCGCATGGTC	AGCCGGTGCTTATTCAACGGGTAA	Bergstrom (2012)
<i>Bacteroides vulgatus</i>	GCATCATGAGTCCGCATGTTT	TCCATACCCGACTTTATTCCTT	Wang (1996)
<i>Clostridium butyricum</i>	GTGCCGCGCTAACGCATTAAGTAT	ACCATGCACCACCTGTCTTCCTGCC	Bartosch (2004)
<i>Faecalibacterium prausnitzii</i>	AGATGGCCTCGCGTCCGA	CCGAAGACCTTCTTCCTCC	Wang (1996)
<i>Lactobacillus plantarum</i>	AATTGAGGCAGCTGGCCA	GATTACGGGAGTCCAAGC	Quere, 1997
<i>Lactobacillus reuteri</i>	GCCGCCTAAGGTGGGACAGAT	AACACTCAAGGATTGTCTGA	Walter (2000)
<i>Lactococcus lactis</i>	TGAAGAATTGATGGAACCTCG	CATTGTGGTTCACCGTTC	Bachmann (2015)