

Supplementary Table 4. Sequences of qPCR primers

	Gene	Forward primer	Reverse primer
Mouse	<i>Ucp1</i>	CACCTTCCCCGCTGGACACT	CCCTAGGACACCTTTATACCTAATGG
	<i>Pgc1a</i>	AGCCGTGACCACTGACAACGA	GCTGCATGGTTCTGAGTGCT
	<i>Pparg</i>	TGAAAGAAGCGGTGAACCACTG	TGGCATCTCTGTGTCAACCATG
	<i>Cidea</i>	ATCACAACTGGCCTGGTTACG	TACTACCCGGTGTCCATTCT
	<i>Adipoq</i>	GCACTGGCAAGTTCTACTGCAA	GTAGGTGAAGAGAACGGCCTTGT
	<i>Fabp4</i>	ACACCGAGATTCCTTCAAACCTG	CCATCTAGGGTTATGATGCTC
	<i>Pref1</i>	CTGACAATGTCTGCAGGTGC	CAGATGCACTGCCATGGTTC
	<i>Pdgfra</i>	TCCATGCTAGACTCAGAAGTCA	TCCCGGTGGACACAATTTTTTC
	<i>Cox1</i>	TAGCCCATGCAGGAGCATCA	TGGCTGGGGGTTTCATGTTGA
	<i>Cox2</i>	ACCTGGTGAACCTACGACTGCT	CCTAGGGAGGGGACTGCTCA
	<i>Cox3</i>	CTTCACCATCCTCCAAGCTTCA	AGTCCATGGAATCCAGTAGCCAT
	<i>Cox4i1</i>	GCCTGATTGGCAAGAGAGCC	CAAGGGGTAGTCACGCCGAT
	<i>Cox7a</i>	CAGCGTCATGGTCAGTCTGT	AGAAAACCGTGTGGCAGAGA
	<i>Cox8b</i>	GAACCATGAAGCCAACGACT	GCGAAGTTCACAGTGGTTCC
	<i>Atp6</i>	TGGCATTAGCAGTCCGGCTT	ATGGTAGCTGTTGGTGGGCT
	<i>Atp8</i>	TTCCCACTGGCACCTTCACC	TGTTGGGGTAATGAATGAGGCAA
	<i>Bcat2</i>	TTCCAGAACCTCACGCTACAC	TAGCAGAACGTAGCATCCTGTC
	<i>Bckdha</i>	AGGAGGTGCTGAAGTTCTACC	CGCCATAGTTGGTCATGTAGAAG
	<i>Bckdhb</i>	GCCAAAGACCCCACTGCAGTAA	GGATTTCCGCAATAGCTGTAGCACC
	<i>Dld</i>	GCAGATCAACCAATTGAGGCTGACG	GCATGTTCCACCTAGTGTCTC
	<i>Dbt</i>	CCAACATTGGATCAATCGGTGG	CTGTGATCCGCTGACCAGCTCAC
	<i>Ppm1k</i>	GCAGCTCATTCGGTGACTION	CCACTGGAGGCAAAGCTTCT
	<i>Glut1</i>	TCAACACGGCCTTCACTG	CACGATGCTCAGATAGGACATC
	<i>Glut4</i>	GTAACCTCATTGTCGGCATGG	AGCTGAGATCTGGTCAAACG
	<i>HK2</i>	TGATCGCCTGCTTATTCACGG	AACCGCCTAGAAATCTCCAGA
	<i>Pdha1</i>	AACTTCTATGGAGGCAACGG	CTGACCCTGATTAGCAGCAC
	<i>CD36</i>	TGCATTGCCAATGTCTAGC	CCCTCCAGAATCCAGACAAC
	<i>Cpt1</i>	AAGGAATGCAGGTCCACATC	CCAGGCTACAGTGGGACATT
	<i>Cpt2</i>	GGCCACCAACTGACTGTTT	GAAGGAACAAAGCGGATGAG
	<i>Vlcad</i>	TATCTCTGCCAGCGACTTT	TGGGTATGGGAACACCTGAT
	<i>Srebp1c</i>	TCTGCCTTGATGAAGTGTGG	AGCAGCCCCTAGAACAACA
	<i>Acc</i>	AATGAACGTGCAATCCCATTG	ACTCCACATTTGCGTAATTGTTG
<i>Fasn</i>	GAGGTGGTGATAGCCGGTAT	TGGGTAATCCATAGAGCCCAG	
<i>Scd1</i>	AGGCCTGTACGGGATCATACT	AGAGCGCTGGTCATGTAGTAG	

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	Gene	Forward primer	Reverse primer
Mouse	<i>Slc25a2</i>	GAGGAACATGAAGTCCACCC	CAAGGCCTTTGTACAGCTGA
	<i>Slc25a12</i>	CAGCTCTTGGCAGGAGTAGC	GTCACCTCTCCATTTCCGCTC
	<i>Slc25a13</i>	TCCAACCAGAGAGCAGGTCT	TTAAGCTCAGCTGGATCGGC
	<i>Slc25a15</i>	AGCAGGTGGTCCGTAAAGTG	GCATTTACAAGCTCCGTGG
	<i>Slc25a18</i>	CGACTACAGAACCAGCAGGG	ACCAGGGTGAGGTTTACTGC
	<i>Slc25a20</i>	GTGCTCACACTCATGCGAGA	CGCTGAGGTCACTGACACTC
	<i>Slc25a22</i>	CATCGCTGGGCTAATCGGG	GCTCCCCTATACATGCCGAAG
	<i>Slc25a26</i>	TGTGGTGGATTCTTGGCAGT	GTCTTAGCCACGTCCAGAGG
	<i>Slc25a29</i>	CTCGACTTCCTGGCTGGATG	TGATGGACTGGAAGCAGTGC
	<i>Slc25a38</i>	CGTCCCCAGTGATCGAGAAG	GGAAGAGGAGCGTGGAACAG
	<i>Slc25a39</i>	CTCGGCAACCAGCGAATTG	CCATTGCAGTATAGGAGGCAC
	<i>Slc25a40</i>	TTCACCTCGTGGTCGACATC	GAGTGCTTGCCTAACATGCC
	<i>Slc25a44</i>	TCGCTGCTAACGTACATCCC	AGACAATGTGAGGGCACTCC
	<i>Slc25a45</i>	TTTGTGGCTGGCTGGATCTC	AGGACTGACTCATGGCGGTA
	<i>Slc25a47</i>	TGGGCTACCCTCTGGATACA	CACACCCGCTCTTGACGATA
	<i>Slc25a48</i>	AGCAACTCCAATGGATGTCGT	CGCACAGCATTACAGTGAT
	<i>Gfp</i>	AGCTGAAGGGCATCGACTTC	AGCAGGACCATGTGATCGC
	<i>36B4</i>	GGCCCTGCACTCTCGCTTTC	TGCCAGGACGCGCTTGT
Human	<i>UCP1</i>	GTGTGCCCAACTGTGCAATG	CCAGGATCCAAGTCGCAAGA
	<i>BCKDHA</i>	GGTGTGCTGATGTATCGGGAC	CTTGCAGCCGTAGTGGACA
	<i>SLC25A39</i>	TCGTGAAGATCGTGAGGCAC	GGCTCGACCACACAGGAAG
	<i>SLC25A44</i>	GGCTATGTGGCTTCACTGCT	AGGGCACTCCTTAGGACACA
	<i>TBP</i>	CACGAACCACGGCACTGATT	TTTTCTTGCTGCCAGTCTGGA