

Supplemental Table 1. qPCR primer sequences

Gene	Forward	Reverse
<i>Rps18</i>	CATGCAGAACCCACGACAGTA	CCTCACGCAGCTTGTTGTCTA
<i>C3ar1</i>	TGACAGGTCAGCTCCTTCCT	CATTAGGAGGCTTTCCACCA
<i>Ucp1</i>	ACTGCCACACCTCCAGTCATT	CTTTGCCTCACTCAGGATTGG
<i>Prdm16</i>	CAGCACGGTGAAGCCATTC	GCGTGCATCCGCTTGTG
<i>Ppargc1a</i>	CCCTGCCATTGTTAAGACC	TGCTGCTGTTCTGTTTTTC
<i>Ppargc1b</i>	AGTCAGCGGCCTTGTGTCAA	ACTCTGGGACAGGGCAGCA
<i>Adipsin</i>	CGTACCATGACGGGGTAGTC	ATCCGGTAGGATGACACTCG
<i>Alpl</i>	CCAACCTCTTTTGTGCCAGAGA	GGCTACATTGGTGTTGAGCTTTT
<i>Cidea</i>	TGCTCTTCTGTATCGCCCAGT	GCCGTGTTAAGGAATCTGCTG
<i>Dio2</i>	CAGTGTGGTGCACGTCTCCAATC	TGAACCAAAGTTGACCACCAG
<i>Elovl3</i>	TCCGCGTTCTCATGTAGGTCT	GGACCTGATGCAACCCTATGA
<i>Serca1</i>	TCATTGCCAACGCCATTGTG	CAGCCCGATAGACCTTTCCC
<i>Serca2b</i>	ACCTTTGCCGCTCATTTTCCAG	AGGCTGCACACACTCTTTACC
<i>Ryr2</i>	CTTCTGTGAGGACACCATCTTT	CCTCTCCTTCTCACTCTCTTCT
<i>Sdhb</i>	TAGCGGTCCTCAGGGTGAGA	CTGAAACTGCAGGCCGACTCT
<i>Ckb</i>	CTGTCTGGCAGGTACTACGC	TGCATGGAGATGACTCGCAG
<i>Ckm</i>	GAACCTCAAGGGTGGAGACG	GTTGAGAGCTTCCACGGACA
<i>Ckmt1</i>	TGACCCCTATTTTGGCTCCAG	TTGGGGATGCGGCTACAAAG
<i>Ldhb</i>	CAAAGGCTACACCAACTGGG	TTGAGGATGCACGGGAGACT
<i>Pkm</i>	CCTCCAGTCACTCCACAGAC	GCAATGATAGGAGCCCGAGG
<i>Gpr3</i>	ATCTACGCCTTTCGCAACCA	CGGGACCGGAATGGAATCTT
<i>Fabp4</i>	ACACCGAGATTTCTTCAAAGTG	CCATCTAGGGTTATGATGCTCTTCA
<i>Dgat1</i>	GGAGACCGCGAGTTCTACAG	CTCATGGAAGAAGGCTGAGG
<i>Dgat2</i>	TCTCAGCCCTCCAAGACATC	GCCAGCCAGGTGAAGTAGAG
<i>Lpl</i>	GGGAGTTTGGCTCCAGAGTTT	TGTGTCTTCAGGGGTCCTTAG
<i>Gk</i>	ACGGGCCATAAGTGTGTATTT	GAACGAAGTAGCAGCCATAAGA

Supplemental Table 2: C_T values in WT/Control Adipose Tissues at room temperature

Approximate C_T for Gene	Subcutaneous Fat	Brown Fat
<i>Ucp1</i>	23	15
<i>Ckb</i>	-	24
<i>Alpl</i>	-	26
<i>Serca2b</i>	23	21
<i>Ryr2</i>	31	29

C_T for RPS18: ~20