

Supplemental Table S1

qPCR primers	
<i>18S</i>	Forward: CGCCGCTAGAGGTGAAATTCT
	Reverse: CATTCTTGGCAAATGCTTTCG
<i>AdipoQ</i>	Forward: GCACTGGCAAGTTCTACTGCAA
	Reverse: GTAGGTGAAGAGAACGGCCTTGT
<i>Axin1</i>	Forward: AGCCACTAAGAGCTTCATAA
	Reverse: TGAGCCTGTCCTTGTGTACT
<i>Axin2</i>	Forward: TCTATAAGAGGTACATTGAGAACAA
	Reverse: CAGAAGTCAAGAACACCTGGTAGGCA
<i>Cidea</i>	Forward: TGCTCTTCTGTATCGCCCAGT
	Reverse: GCCGTGTTAAGGAATCTGCTG
<i>Ctnnb1</i>	Forward: TGGCTGAACCATCACAGATGTTGAA
	Reverse: TGGAACTTCCTTTTTGAAAGCTG
<i>Dio1</i>	Forward: TCAGGACAGAAGTGCAACATCTGGGA
	Reverse: TGTGGCGTGAGCTTCTTCAATGTAA
<i>Dio2</i>	Forward: AGAGTGGAGGCGCATGCT
	Reverse: GGCATCTAGGAGGAAGCTGTT
<i>Fabp4</i>	Forward: ATGATCATCAGCGTAAATGG
	Reverse: TCCATCCACTTCTGCACCT
<i>Fndc5</i>	Forward: AGCTGGGATGTCCTGGAGGA
	Reverse: GCACATGGACGATATATTCT
<i>Gprc6a</i>	Forward: AATATCAGTGTTCCTTCAAACCTCT
	Reverse: ACAGTTTCTCTAGAGCAGTTGAAT
<i>Lef1</i>	Forward: ACAGGAGCACCCCCACACGGACAGTG
	Reverse: ATAGCTGCACTCTCCTTTAGCGTGCA
<i>Lrp5</i>	Forward: CCAACTATCAATGTCCACCGGCT
	Reverse: CCTCCCGCTCTGTGCCATCCAGGGA
<i>Lrp6</i>	Forward: GGCTTGAGAAAAATTGTAAGGACA
	Reverse: ACGTTCTATCTTTGGCACTTCTCCCC
<i>Myo6</i>	Forward: ATCAGCTACATTGAGCGTCTACA
	Reverse: CCTGGAATGATCCGAAACACTTG
<i>MyoG</i>	Forward: AGCGCAGGCTCAAGAAAGTGAATG
	Reverse: CTGTAGGCGCTCAATGTAAGGAT
<i>Osteocalcin</i>	Forward: CTTTATGTCCAAGCAGGAGG
	Reverse: TTCAAGCCATACTGGTCTGA
<i>Pdk4</i>	Forward: TGGCTCAAGGCATCCTGGAGTATAAA
	Reverse: TACTTCCAATGTGGCTTGGGTTTCCC
<i>Pgc1α</i>	Forward: CCCTGCCATTGTTAAGAC
	Reverse: TGCTGCTGTTCTGTTTTC
<i>Pparγ</i>	Forward: AGATGACAGTGACTTGGCTA
	Reverse: GAACAGCTGAGAGGACTCTG

<i>Prdm16</i>	Forward: TGGCCTTCATCACCTCTCTGAA
	Reverse: TTTCTGATCCACGGCTCCTGTGA
<i>Ptprv</i>	Forward: CTCATGGAGCGATGCCTCTGGGGAT
	Reverse: GATAACCTCCAAGACATACTGACT
<i>Tcf7</i>	Forward: TGATAGAAACCTGAAAACACAGGCAGA
	Reverse: TGCCACCTGCGACCCAGGATCTGGT
<i>Tcf7l1</i>	Forward: TCATCCATCTGAGCTGTCACCGTATT
	Reverse: GAGACCAGGCTGGACATTGAAGCGT
<i>Tcf7l2</i>	Forward: GTAGACCCCAAACAGGAATCCAAG
	Reverse: CGCTGTGGGGTAGGGGTGTCTGAAT
<i>Ucp1</i>	Forward: CCAGGCTTCCAGTACCATTA
	Reverse: AGAAGTACTCTTGGACTGAG
<i>Wnt1</i>	Forward: CACAACAACGAGGCAGGGCGAACGA
	Reverse: AGGACGCGGGAGGCGCCGTCGAAGCG
<i>Wnt3a</i>	Forward: AGTATGACAGTGCCTCGGAGATGGTG
	Reverse: CAGGTGCGGTACGCGTCCCGAAGGA
<i>Wnt5a</i>	Forward: CACGCATCCTCATGAACTTACACAA
	Reverse: TTGAGGGCATCGCCACCTTCCGGA
<i>Wnt10b</i>	Forward: CACGACATGGACTTCGGAGAGAAGTT
	Reverse: TGGCAGCTGCCTGACGTTCCATGGCA
<i>Wnt11</i>	Forward: CTCCTATGAAGGTGAAAAAACAGGA
	Reverse: ACGTCCTGGAGCTCTTGACGCCCT
<i>Gprc6a (Rat)</i>	Forward: TAAGGAGCACGATGTGCTTCGAGAAG
	Reverse: AACAGACCACTAATCCCCCAGATGA
<i>Tcf7 (Rat)</i>	Forward: AGAAGAGCAAGCCAAGTACTATGAG
	Reverse: GGCCAAAGCGAGCACGACATTTCT
Chip qPCR primers	
<i>Gprc6a-promoter</i>	Forward: TGTGATTGGTTACCTCACTCAGGA
	Reverse: AGAAGGGCACATGCTCCACTATGTTCA
<i>Ucp1-promoter-0.6Kb</i>	Forward: TCTGTCTTCCAGGGCTCCTG
	Reverse: TTCAAATGTCACCTTCAGATTT
<i>Ucp1-promoter-2.0Kb</i>	Forward: ATACCATCCTCAAGGGCATTG
	Reverse: AGCACAGCCGGATTGAAAGGA
<i>Ucp1-promoter-6.0Kb</i>	Forward: AAATCAGTGAGAAATCCAAAGGGCTTT
	Reverse: GGTCAAAAATCTTTGTTTCCATACAC
siRNA target sequences	
<i>Gprc6a</i>	CACCTAGTGTGGAAGAGAA
<i>Tcf7</i>	GAGCCAAGGTCATTGCTGA