

**Supplementary Table 1.** Primer sequences for quantitative reverse transcription polymerase chain reaction on white adipose tissue and skeletal muscle

	Forward primer sequence	Reverse primer sequence
<i>AXIN2</i>	CCACACCCTTCTCCAATCC	TGCCAGTTTCTTTGGCTCTT
<i>CTNNB1</i>	TTGGATATCGCCAGGATGAT	CATGGGGTCCATACCCAAG
<i>DVL2</i>	TATTTCACTCTCCCCGAAA	GGAAGGTGCCAGTCAGAGC
<i>FZD1</i>	CGGCAAGACCCTCAACTC	CCTTGTTTGCTGTTGGTGAG
<i>FZD8</i>	CGCCACGCGTTAATTTCT	ATCTCGGGTTCTGAAAACG
<i>GSK3B</i>	TCTTCAACTTCACCACTCAAGAA	CCGAGCATGAGGAGGAATAA
<i>GYS1</i>	TGGGGCTACACACCGGCTGA	GCGGAACCGCCGGTCAAGAA
<i>INSR</i>	GGGCAACGGCTCTTGGACGG	CGGCCCATCTGGCTGCCTCTT
<i>LRP5</i>	Commercially available via QIAGEN	Commercially available via QIAGEN
<i>LRP6</i>	Commercially available via QIAGEN	Commercially available via QIAGEN
<i>LRP10</i>	CAGACTGTCACCATCAGGTTT	GAGAGGGGAGCGTAGGGTTA
<i>RPS18</i>	AGGATCCATTGGAGGGCAAGT	TCCAACACTACGAGCTTTTAACTGCA
<i>SLC2A4</i>	GGCTGGAGTCTGCTTCTGCAC	GCTGGTACATTTGAATCTGCAGCGA
<i>TBC1D4</i>	GCTACCTCTACATCATCCAGAATCTC	CCAGAAACATCGGCCCA
<i>TCF7L2</i>	TGAACACAGCGAATGTTTCC	CTGTTGATCAAGGCCAAAGC
<i>WNT10B</i>	CCCAGGACACATGGGAAT	TCCAAGAAATCCCGAGAGAA

*CTNNB1*, catenin beta 1; *DVL2*, dishevelled segment polarity protein 2; *FZD*, Frizzleds; *GSK3B*, glycogen synthase kinase 3 beta; *GYS1*, glycogen synthase 1; *INSR*, insulin signaling receptor; *LRP*, low-density lipoprotein receptor-related protein; *RPS18*, ribosomal protein S18; *SLC2A4*, solute carrier family 2 member 4; *TBC1D4*, TBC1 domain family member 4; *TCF7L2*, transcription factor 7 like 2; *WNT10B*, wingless-type MMTV integration site family.