

Table S1. Nucleotide sequences of specific primers

Target genes	GenBank accession	Primer sequences (5' to 3')	PCR product (bp)
<i>IGF-1</i>	NM_001082477.2	F: ACGCTCTTCAGTTCGTGTGT R: CTTCAGCGGAGCACAGTACA	161
<i>IGF-2</i>	NM_001190162.1	F: GTACTTCCGGACGACTTCCC R: GTAACACGATCAGGGGACGG	187
<i>IGF-1R</i>	NM_001414181.1	F: GCCCATGTGTGAGAAGACCA R: ACGCACACGCCTTTGTAGTA	216
<i>Gcg</i>	NM_012707.3	F: GACAAACGCCATTACAGGG R: TGTTCCGGTTCCTCTTGGTG	112
<i>DPP-4</i>	NM_012789.2	F: CCCAGTTTAACGACACCGGA R: AGGCCACGTCACACAAGTAG	237
<i>GLP-1R</i>	NM_012728.2	F: TTCATCAAAGACGCTGCCCT R: TAACGAACAGCAGCGGAACT	262
<i>AgRP</i>	NM_033650.1	F: AGCAGACCGAGCAGAAGATG R: TGTTGTCCCAAGCAGGACTC	129
<i>NPY</i>	NM_012614.2	F: CGCTCTGCGACACTACATCA R: TGGGGGCATTTTCTGTGCTT	113
<i>POMC</i>	NM_139326.3	F: CCATAGACGTGTGGAGCTGG R: AGGGCTGTTTCATCTCCGTTG	147
<i>CART</i>	NM_017110.1	F: GGACATCTACTCTGCCGTGG R: GCGCTTCAATCTGCAACACA	95
<i>PPIA</i>	NM_017101.1	F: AGGATTCATGTGCCAGGGTG R: CTCAGTCTTGGCAGTGCAGA	187
<i>IGF-2 Fragment1</i>		F: TCTATCAGGCACCAAAGCCC R: TCTCTACCACCAAGCAAGGC	
<i>IGF-2 Fragment2</i>		F: TCGGAAGAGAATCTTGGGCAC R: ACCTTCCCCTTTTCAGAGACT	
<i>IGF-2 Fragment3</i>		F: AAAGTGCATGGTCCCGCTAA R: GGCATGCACCAAGGGAAAAA	