

Supporting Information

S1 Table. Primer sequences and real-time PCR conditions.

Gene		Primer sequence (5' to 3')	GenBank accession no.	Product Size (base pairs)	Annealing (°C / s)	Efficiency
<i>ACAA1</i>	forward	TGTCCCTAGCTGACAGAGGG	NM_001034319.2	162	60	1.878 ¹
	reverse	GGGAAGCCAGTGCAAAGGTA				1.902 ^m
<i>ACAA2</i>	forward	TGAATGAAGCTTTTGCCTCCTC	NM_001035342	224	60	1.876
	reverse	GATGATGACCGCAATTCCTT				60
<i>ACADVL</i>	forward	AATGGAAGGTTTGGCATGGC	NM_174494	125	59	1.890 ¹
	reverse	TGGATCAGCCCAAAGTTGTG				1.899 ^m
<i>ACOX1</i>	forward	TTGTGGCGGACATGGCTATT	NM_001035289.3	148	60	1.877 ¹
	reverse	TGAGTGCACCTGGTCGTAAC				1.923 ^m
<i>ACOX2</i>	forward	AACATGCTGAATCGCTTCGC	NM_001102015.2	89	60	1.865
	reverse	ACCACCATGCTGAGGTAGTTAC				60
<i>ASL</i>	forward	GTGGCCACTGGTGTCTCTCT	NM_001034428	58	62	1.910
	reverse	GAGCCCGTCCCATGTTCTC				62
<i>ATB5b</i>	forward	TGCTTTATTGGGCAGAATCC	NM_175796	152	58	1.858
	reverse	GATCCGTCAAGTCATCAGCA				58
<i>CAPN1</i>	forward	TTTCCAGCTGTGGCAGTTTG	NM_174259	89	59	1.908
	reverse	AGTGCACAAACACCAGCTTC				59
<i>CAPN2</i>	forward	ACTGCCCAAACCTGGAACACA	NM_001103086	148	60	1.894
	reverse	GTGAGTGTGTCAGGGGTCAG				60
<i>CAT</i>	forward	TCACTCAGGTGCGACTTTC	NM_001035386.2	162	60	1.872
	reverse	GGATGCGGGAGCCATATTCA				60
<i>CLN3</i>	forward	TTCTGACTCCTTGGGACACA	NM_001075174	62	60	1.953
	reverse	CAACCTGCCCACCTATCAGT				60
<i>CPS</i>	forward	GGTGGCTTGCTTTGGTGAAG	NM_001192258	188	60	1.888
	reverse	AGTCTGATGTGGCTTCCGTG				60
<i>CS</i>	forward	TGGACATGATGTATGGTGG	NM_001044721	217	60	1.826
	reverse	AGCCAAGATACCTGTTCTC				60
<i>EMD</i>	forward	GCCCTCAGCTTCACTCTCAGA	NM_203361	100	59	1.915
	reverse	GAGGCGTTCCCGATCCTT				59
<i>FOXO3</i>	forward	TCCAGACAAACGGCTCACTC	NM_001206083	172	60	1.877
	reverse	CTTGCCGGTTCCTCATTCT				60
<i>GPT2</i>	forward	TGTACCTGCAGACCCGGATA	NM_001193187	167	60	1.881
	reverse	TGGCATCGAGTTCGGAGATG				60
<i>HADH</i>	forward	AACACCAATGACCAGCCAGA	NM_001046334.1	150	58	1.887 ¹
	reverse	TCACACAGCCTGACTGCTTC				1.924 ^m
<i>HPCALI</i>	forward	CCATCGACTTCAGGGAGTTC	NM_001098964	99	60	1.907
	reverse	CGTCGAGGTCATACATGCTG				60
<i>LDHA</i>	forward	TGGGGAGCATGGTACTCTA	NM_174099.2	187	60	1.882 ¹
	reverse	AATGGCCCAGGATGTGTAGC				1.889 ^m
<i>LDHB</i>	forward	ACTTGGCATTATCCAGCA	NM_174100	90	60	1.912

	reverse	GCCACATTCACTCCACTCCA			60	
<i>LRP10</i>	forward	CCAGAGGATGAGGACGATGT	NM_001100371.1	139	60	1.896 ¹
	reverse	ATAGGGTTGCTGTCCCTGTG			60	1.908 ^m
<i>ND2</i>	forward	CATGCTCCGAAACTCTGACA	NM_174565.3	129	58	1.866
	reverse	GCATTTACACAGGCCCTAA			58	
<i>PC</i>	forward	ACACCAACTACCCGACAATG	NM_177946.4	353	60	1.867
	reverse	CAGCGGGAGGTCAGGGAAG			60	
<i>PCK1</i>	forward	CAACTCTCGCTTTTGTGCC	NM_174737.2	122	60	1.869
	reverse	GGGGGACTCCTTTGGGTCTA			60	
<i>PCK2</i>	forward	CAAGGATGGGGAGCCTTGTG	NM_001205594.1	162	62	1.888
	reverse	CCTCCGAAGATGATGCCCTC			62	
<i>PDK2</i>	forward	AACCCAGCAATGTTTCTGC	NM_001159481, NM_001075853.2	70	59	1.91
	reverse	TGGGTAGGTGTATGCACATGAG			59	
<i>PDK4</i>	forward	AGGTTTTCACGCTGTGGATG	NM_001101883	95	59	1.856
	reverse	AAAGTGCCATATGCGTACGC			59	
<i>PPARA</i>	forward	CAGAACAAGGAGGCGGAAGT	NM_001034036	215	60	1.893
	reverse	CCGTAGGCTACCAACATCCC			60	
<i>PPARGCIA</i>	forward	CCTGCATGAGTGTGTGCTCT	NM_177945.3	158	60	1.911
	reverse	GCAAAGAGGCTGGTCTTAC			60	
<i>UBB</i>	forward	TCTGAGGGGTGGCTGTTAATC	NM_174133	76	60	1.91
	reverse	ATGGCTAGAGTGCAGAAGGATG			60	
<i>UBA52</i>	forward	GGCAAGACCATCACCCCTGA	NM_001076363.2	220	62	1.876
	reverse	GGAGGGAAGGCTCGATGATG			62	

¹ liver

^m skeletal muscle