

S4 Table. Results of the sequencing of PCR products and BLAST analysis¹.

Symbol	Sequence results of PCR products	BLAST hit gene (NCBI) description	Identities
FoxO1	CATTCTGCACGCGGATGAACTTGCTGTGCAGGGACAGATTATGACGAATTGA ATTCTTCCAGCCCCTGAGCTGTTGCTGTCGCCCTATCCTTGAAGTAGGGCA CGCTCTTGACCATCCACTCGTAAATCTGCG	PREDICTED: Bos taurus forkhead box O1 (FOXO1), transcript variant X2, mRNA	135/135
G6P	AGCAGGTGTATACTATGTGATGGTCACATCCACCCTCTCTATCTTTCGTGGAA AGAAAAAGCCAACCTACAGATTTCCGGTGCTTGAATGTCATGTTGTGGTTGGG ATTCTGGGTCTGTGCAACTGAA	Bos taurus glucose-6-phosphatase, catalytic subunit (G6P), mRNA	126/126
SLC2A2	GAGAGGCATATCAGGACTCTACTGTGGGTGATTTCAGGCTTGATTCCAATG TACATTGGTGAAATTGCTCCAACCACACTCAGGGGCGCTATCGGTGCTCTTC ATCAGCTGGCCATTGTCACGGGCATTCTTATTAGTCAGATCGTTGGCCTGAC TTTATCCTGGGCA	Bos taurus solute carrier family 2 (facilitated glucose transporter), member 2 (SLC2A2), mRNA	169/169
IRA	AAGATTACCTGCACAACGTGGTTTTTCATCCCCAGGCCTTCAAGGAGCTGGAG GAGTTGAT	PREDICTED: Bos taurus insulin receptor (INSR), transcript variant X8, mRNA	44/45
IRB	GTCTTCAAGGAGCTGGAGGAGTCCCTCGTTTCAGGAAAAACGTTTGAAGATACC TGCACAACGTGGTTCTCATCCCCAGAAAATCATCTTCAGGCCCTGTTGCCGA GGACGCTAAATT	Bos taurus insulin receptor (INSR), transcript variant X6, mRNA	106/108
PC	CAGCTGCGCACCCGGCTCACTAGCGACTCCGTCAAGCTTGCAAAGCAGGTGG GCTACGAGAACGCGGGCACCGTGGAGTTCCTGGTGGACAGGCACGGCAAGC ACTACTTCATCGAGGTCAACTCGCGCTGCAGGTGGAGCACACGGTGACCGA GGAGATCACAGATGTGGACCTGGTCCACGCCAGATCCACGTGGCCGAGGG CCGGAGCCTGCCTGACCTGGGCCTCCGGCAGGAGAACATCCGCATCAACCAG CT	Bos taurus pyruvate carboxylase, mRNA	254/255
PCCA	TGGTCTGACTAAATGTGACCAGCACGTGGAACCTGGCTTACCCTTGTGTC TGTC AACGTTGATGGCACTCAGAGGACGATACAGTGTCTTCTCGAGAAGCA GGGGGCAACATGAGCATTTCAGTTTCTCGGCACAGTAA	Bos taurus propionyl CoA carboxylase, alpha polypeptide (PCCA), mRNA	139/141
PCK1	AGGACGGCAGCTGCTGAGCCACATGGAGGAGGAGGGTGTGATCAAGAGGCT GAAGAAGTATGACAACCTGCTGGTTGGCTCTCACTGACCCAGGGATGTGGCC AGAATTGAAAGCAAGACGGTCATCATCACTCGAGAGCAAAGAGATACGGTG CCCATCAATT	Bos taurus phosphoenolpyruvate carboxykinase 1 (soluble) (PCK1), mRNA	156/156
PYGL	AGTTCTGGAGAGGAGTACAAAAGTGAAGATCAACCCGTCCTCCATGTTTCGACG TGCAGGTGAAAGCGGATCCACGAGTACAAGCGACAGCTCCTGAACTGCCTGC ACGTGGTCACCATGTACAACCGCATTAAGAAAAGACCCAAAGAAG	Bos taurus phosphorylase, glycogen, liver (PYGL), mRNA	146/149

S4 Table. (continued)

Symbol	Sequence results of PCR products	BLAST hit gene (NCBI) description	Identities
RPL19	AATTCTGCGCCGGCTGCTTAGACGATACCGTGAATCTAAGAAGATTGACCGC CACATGTATCACAGCCTGTACCTGAAGGTGAAGGGTAACGTGTTCAAAAACA AGCGGATCCTCATGGAACATATCCACAAGCTGAAGGCAGACAAAGTGGTGC GC	Bos taurus ribosomal protein L19 (RPL19), mRNA	147/147
RPL32	TCATTAGGCATCAATCAGACCGATATGTCAAAATCAAGCGGAACTGGCGGA AGCCCAGAGGCATTGACAACAGGGTGCAGAGAAGATTCAAGGGCCAGATCT TGATGCCCAACATTGGTTATGGGAGCAACAAGAAAACCAAGCACATGCTGC CCAGCGGCTTCCGGAAGTTCCTGGTCCACAACGTCAAACCTCTTC	Bos taurus ribosomal protein L32 (RPL32), mRNA	190/190
RBMS2	CAGCAGTGGGAGCACTGCACATGACCAGCTGAGTAAGACCAACCTCTACATC CGGGGATTGCAGCCAAGCACTACTGACCAGGACCTAGTGAAGTTGTGTCAGT CATACGGCAAGATTGTCTCCACTAAGGCCATCCTGGACAAGACCACAAACAA GTGCAAAGGCTATGGCTTTGTGGACTTCGACAGTCCTTCAGCAGCACAGAAA GCAGTGAATTT	Bos taurus RNA binding motif, single stranded interacting protein 2 (RBMS2), mRNA	213/213
MRPL39	ACTGACCCTGGCACTATCTTTGTGTTGAATAAAAACGTTTCCACTCCTTATAG CTGTGCCATGCATTTAAGTGAGTGGTACTGCAGGAAGTCTATTCTGGCTCTTG TGGACGGACAGCCTTGGGACATGTATAAACCTTTGACCAAGTCCTGTGAAAT TAAATTTCTAACTTTCAAAGATGATGATCCAGGAGAAGTCAATAAGGCTTAT TGGCGTTCTTGTGCCATATT	Bos taurus mitochondrial ribosomal protein L39 (MRPL39), mRNA	225/225
UXT	GGCAGAGCTCTCAGTTCATTGATCGTAAGAGCAGTCTCCTCACAGAGCTCAG CGACAACATGG	Bos taurus ubiquitously-expressed transcript (UXT), mRNA	59/61
MRPS15	CCTGGAGGCTCAATTGTTGCCTTGACTGTCAAGATCCGCAGTTACGAAGAAC ACATGCAGAAACATCAAAGGACAAAGCCCACAAGCGCTATCTGCTGATGA GCAAGTTG	Bos taurus mitochondrial ribosomal protein S15 (MRPS15), mRNA	106/107
RPS9	GGTGCCCGGGAGCTGCTGACGCTGGATGAGAAAGACCCGCGGCGTCTGTTCG AAGGTAATGCCCTGTTGCGGGCGCTCGTCCGTATCGGGGTGCTGGATGAGGG CAAGATGAAGCTGGATTACATCCTGGGAAGGGCTTC	Bos taurus ribosomal protein S9 (RPS9), mRNA	131/132