

**Supplementary Table S1.** Primers for gene expression analysis.

Gene	Forward sequence	Reverse sequence
ACADL	TGCAATAGCAATGACAGAGCC	CGCAACTACAATCACAACATCAC
ALDH7A1	ATGGCAAGCCCTATGTCATCT	CCGTGGTACTTATCAGCCCA
ATP5H	GCTGGGCGAAAACCTTGCTCTA	CCAGTCGATAGCTGGTGGATT
ATPO	ATTGAAGGTCGCTATGCCACA	GCTTTTCACTTTAATGGAACGCT
BCAT2	CGCTCCTGTTTCGTCATTCTCT	CCCACCTAACTTGTAGTTGCC
MTCO2	ACAGATGCAATTCCCGGACGTCTA	GGCATGAAACTGTGGTTTGCTCCA
COX5B	TGTGAAGAGGACAATACCAGCG	CCAGCTTGTAATGGGCTCCAC
COX6C2	TGTTGGCTGCTGCGTCACATTC	CAGAATCTTCCAGGTCCTCGCTCC
TUFM	GGGGCTAAGTTCAAGAAGTACG	CACATGAGCCGCATTGATGG
HSD17B10	TGGCGGTAATAACCGGAGGA	ACAGTTGACAGCTACATCCACA
IDH3A	CCCGCGTGGATCTCTAAGG	AATTTCTGGGCCAATACCATCTC
IDH3B	GAGCCAAGTCTCAGCGGATT	GGGCATCACAAGCACATCAAA
AK2	GCAGAACCCGAGTATCCTAAAGG	TTCCCAGCATCCATAGTTGCC
MDH2	TCGGCCCAGAACAAATGCTAAA	GCGGCTTTGGTCTCGATGT
MYG1	ACAATGGCACCTTCCACTGCGA	ACCACGATGTCACAGGAAGCGA
OAT	TGGACCATTTATGCCGGGATT	GCTTCACCCTGAATTGGTTCT
PHB	GACCACGTAATGTGCCAGTCA	CATCATAGTCCTCTCCGATGCT
PHB2	GTGCGCGAATCTGTGTTTAC	GATAATGGGGTACTGGAACCAAG
SSBP1	TGAGTCCGAAACAACCTACCAGT	CCTGATCGCCACATCTCATTAG
TRAP1	AGGACGACTGTTTCAGCACG	CCGGGCAACAATGTCCAAAAG
ACADS	GATGGCAAATGTAGACCCTACC	AAGGCCCCGGAGTATCACGA
ACO2	GAGCGAGGCAAGTCGTACC	GGCTTCAATCAGATGGTCACAG
CS	TGCTTCCTCCACGAATTTGAAA	CCACCATACATCATGTCCACAG
DECR1	TCTTCAAAAAGCGATGCTACCA	CTATCACGCACTGAGCACCT
GSTP1	CCCTACACCGTGGTCTATTTCC	CAGGAGGCTTTGAGTGAGC
HCDH	ATATGCCGCAATTTTACAGGGT	ACCTGCAATAAAGCAGCCTGG
IVD	GCTGACCTGTTGAGTGAGGC	TCGGTGAGCGTCTTGGTCTTA
MGST1	ATGACAGAGTAGAACGTGTACGC	TACAGGAGGCCAATTCCAAGA
DLST	GAAGTGGCCTCTAGGGAGAC	AACCTTCCTGCTGTTAGGGTA
PRDX3	GGCCTGTCTGAGTGTTAATGATG	GGAGCCGAACCTTGCCTTC
RMDN3	CCAGCGATGGAAACGGACC	GGGATCTGAAGTCTGCGTATAGT
S100A10	GGCTACTTAACAAAGGAGGACC	GAGGCCCCGAATTAGGGAAA
SUOX	ACTCAAGTCAATCCCCTCAAGG	GCTGGAGTTATCACCAGAGAAGG
MPST	CGCCGTGTCACTGCTTGAT	CAGGTTCAATGCCGTCTCG
TST	ACTTCACCAGACCAAGGAGAT	CCGACAGCATTTCCACAATTTT
TIMM9	AGAGACCTGCTTTTTGGACTGTG	CCTGAAATCTCATGGATATTCTTTG