

**Supplementary Table S1. Primers for Real Time Quantitative Polymerase Chain Reaction**

Target Gene	Foward Primer	Reverse primer
βactin	5'-GACAGGATGCAGAAGGAGATTACT-3'	5'-TGATCCACATCTGCTGGAAGGT-3'
ACADM	5'-TGGTGAATATCCAGTCCCCCT-3'	5'-CCAAGTCCAAGACCTCCACA -3'
ACADS	5'-CCTCAGCGAACCAGGGAAC-3'	5'-TTCAGAACCCTAGAGTCGCC-3'
ACOX	5'-CGCCGAGAGATCGAGAACAT-3'	5'-GACAGCCACCTCATAACGCT-3'
Catalase	5'-GGGCAACAGGCAGATTTG-3'	5'-CTGCTCCTTCCAGTGCTG-3'
CD36	5'-CGGCTGCAGGTCAACCTATT -3'	5'-GGTCCCAGTCTCATTAAAGCCA-3'
Cox2	5'-GAATCATTCACCAGGCAAATTC-3'	5'-CTGTACTGCGGGTGGAACATT-3'
CXCR3B	5'-TGCCAGGCCTTTACACAGC -3'	5'-TCGGCGTCATTTAGCACTTG-3'
Glut1	5'-TGGCATCAACGCTGTCTTCT-3'	5'-AGCCAATGGTGGCATACACA3'
Glut3	5'-CGAACTTCCTAGTCGGATTG-3'	5'-AGGAGGCACGACTTAGACAT-3'
Glut4	5'-TCAGAGACTCCAGGATCGGTT -3'	5'-GGTTCCCCATCTTCGGAGC-3'
Hexo2	5'-CCTCGGTTTCCCAACTCTGC -3'	5'-GGTCAACCTTCTGCACTTGG-3'
HMGB1	5'-GTGCCTCGCTGAGGAAAAAT-3'	5'-TCCTCCCGACAAGTTTGAC-3'
HO-1	5'-CAGTGCCACCAAGTTCAAG-3'	5'-CAAGACTGCGTTCTCTGCT-3'
IGFBP3	5'-CACTCTGGGAACCTATAAG-3'	5'-ATTACTTGTGATGCCTCTG -3'
IGFBP5	5'-CGGGGTTTGCCTCAACGAA-3'	5'-TCTTGGGGGAGTAGGTCTCCT-3'
IGFBP7	5'-GCTGTGAGGTCATCGGAATC-3'	5'-ACCAGGCAGGAGTTCTGTC-3'
MICA	5'-GTCCTGAGGAGAACAGTGCC -3'	5'-GGGATAGAAGCCAGAAGCCC-3'
MICB	5'-GAGAAGGTGGCGACGTAGG-3'	5- GACTGTGGGGCTCAGCG -3'
MITF	5'-ATGGACGACACCCTTTCTC-3'	5'-GGAGGATTGCGTAACAAGTG-3'
OGDH	5'-CCCTGGGGATTTTGGATGCT-3'	5'-CCAGGCCATAGAACCCAAGT-3'
PC	5'-TTGCCTCCGCAGATAGTGTC-3'	5'-GGATTCCCAGGAGCCTCAG-3'
PD-L1	5'-TGCAGGGCATTCCAGAAAGA-3'	5'-ACCGTGACAGTAAATGCGTTC-3'
PDK4	5'-CCCTGAGAATTATTGACCGCCT-3'	5'-CCGTAACCAAAACCAGCCAAA-3'
PGC1α	5'-TCATTCAGGAGCTGGATGGC-3'	5"GAGCAGCACACTCGATGTCA-3'J
PKM1,2	5'-TCAGCGCCGGAGGACC-3'	5'-TGCTCCAGGAATGTGTCAGC-3'
p16	5'-GAGCAGCATGGAGCCTTC-3'	5'-CATCATCATGACCTGGAT-3'
p21	5'-CGCTCTTACATCTTCTGCCTTAGTC-3'	5'-AACCTCTCATTCAACCGCCCTAG-3'
SOD2	5'-GGCTGCATCTGTTGGTGTCC-3'	5'-TCCCACACATCAATCCCCAG-3'
UCP2	5'-AGTCCGGTTACAGATCCAAGG -3'	5'-TCAGAATGGTGCCCATCACA-3'
VDAC	5'-CCCGGAAGGCAGAAGATGG-3'	5'-TTGGTGAAGACATCCCTGGC-3'

Supplementary Table S2. Primary Antibodies

Antibody	Diluition	
βactin	1:10000	SIGMA-Aldrich
AMPK	1:1000	CellSignaling
p-AMPK	1:1000	CellSignaling
b- FGF	1:1000	Upstate Biotechnology
CD36	1:1000	CellSignaling
Erk	1:1000	SantaCruz
p- Erk	1:1000	CellSignaling
Fibronectin	1:500	SantaCruz
Hexo2	1:1000	CellSignaling
HGF	1:1000	CellSignaling
Hsp70	1:1000	CellSignaling
IGFBP3	1:1000	CellSignaling
MITF	1:1000	CellSignaling
m TOR	1:1000	CellSignaling
p m TOR	1:1000	CellSignaling
Total OXPHOS	1:1000	Abcam
PDK4	1:1000	CellSignaling
PKM1,2	1:1000	CellSignaling
UCP2	1:1000	CellSignaling