

**Supplementary Table 1: Antibodies used for Western blotting**

<b>Antibody name</b>	<b>Company</b>	<b>Catalog No.</b>
p-Akt (S473)	Cell Signaling	9271
Akt	Cell Signaling	9272
p-IR	Abcam	ab79053-100
$\alpha$ -tubulin	Sigma Aldrich	T6074
Glut-1	Millipore	07-1401
Glut-4	Millipore	07-1404
Hexokinase 1	Cell Signaling	3820S
Hexokinase I (C35C4) rabbit mAb	Cell Signaling	2024S
Hexokinase II (C64G5) rabbit mAb	Cell Signaling	2867S
MitoProfile antibody cocktail	Abcam	ab110413
PFKFB1	Novus Biologicals	NB100-9239
PFKFB1	Abcam	ab71625
PFKFB2	Bethyl Laboratories	a-304-286A-M
PFKFB2	Proteintech	17838
PFKFB3	Proteintech	13763-1-AP
GAPDH	Cell Signaling	3683S
PKM1/2	Cell Signaling	3106S
LDHA	Cell Signaling	2012S

**Supplementary Table 2.** Antibodies used for flow cytometry.

<b>Marker</b>	<b>Fluorophore</b>	<b>Company</b>	<b>Ref/Cat #</b>	<b>Lot #</b>	<b>Dilution</b>
CD90	PE	eBioscience	12-0903-81	E01377-1631	1:400
CD29	PE	eBioscience	12-0291-81	E01181-1634	1:400
CD105	PE	eBioscience	12-1051-81	E01419-1633	1:400
CD73	PE	eBioscience	12-0731-81	E01346-1631	1:400
CD31	PE	eBioscience	12-0311-81	E01191-1631	1:100
CD34	PE	BD Bioscience	551387	33844	1:100
c-kit	APC Cy7	eBioscience	47-1171-82	E08461-1637	1:100
Sca1	Per CP Cy5	eBioscience	45-5981-80	E029641	1:100
CD45	APC Cy7	BD Bioscience	557659	04947	1:100
SSEA1	PE	eBioscience	12-8813-41	E14612-105	1:100
SSEA3	PE	BioLegend	330312	B169267	1:100
SSEA4	PE	BD Bioscience	560219	5089930	1:100
SSEA5	PE	Stem Cell Technologies	60063PE	SC05207	1:100
FLK1	APC	BD Bioscience	560070	03788	1:100

**Supplementary Table 3: Primer sequences used for qRT-PCR.**

<b>Primer name</b>	<b>Sequence</b>
Flk-1 Fw	5'- ATGTTTCGAGATTACAGATCAC -3'
Flk-1 Rev	5'- CGCAAAGAGACACATTGAGG -3'
Tnnt2 Fw	5'- TGATGACATCCACAGGAAGC -3'
Tnnt2 Rev	5'- GACGCTTTTCGATCCTGTCT -3'
Cyp7b1 Fw	5'- CTGAAAGAGCACATCATCT-3'
Cyp7b1 Rev	5'- TTGACCTGTTGACTGCAGG -3'
Col1a1 Fw	5'- GAGCGGAGAGTACTGGATCG -3'
Col1a1 Rev	5'- GTTCGGGCTGATGTACCAGT -3'
Col3a1 Fw	5'- TTCTGCTGTTGCTGGTGAAC -3'
Col3a1 Rev	5'- TGGCTTGAATGAAGGTACCAA -3'
TGFb-1 Fw	5'- AGCTGCGCTTGCAGAGATTAA -3'
TGFb-1 Rev	5'- AGCAGCCGGTTACCAAGGTA -3'
Acta 2 Fw	5'- CCCAGACATCAGGGAGTAATG -3'
Acta 2 Rev	5'- CTTTTCCATGTCGTCGCCAGT -3'
Bhlhe22 Fw	5'- GACGACCTCTTCCTGCACA -3'
Bhlhe22 Rev	5'- GATCAGCGGGCTCGAAAC-3'
Lox Fw	5'- GAGCTGGGATCCTGACTCAC -3'
Lox Rev	5'- GTGTGCTTTCAGGCAGATGA -3'