

Table S1. Key resource table

Antibodies	source	catalog	dilution
<i>Western blotting</i>			
actin-HRP	Santa Cruz	Cat.#sc-1616	1:20,000
Alpha Tubulin Monoclonal antibody	ProteinTech	Cat.#66031-1-Ig	1:20,000
ATP5A [15H4C4]	abcam	Cat.#ab14748	1:20,000
ATP5H Polyclonal antibody	ProteinTech	Cat.#17589-1-AP	1:2,000
c-Myc Monoclonal Antibody (9E10)	Invitrogen	Cat.#13-2500	1:250
GAPDH-HRP	Santa Cruz	Cat.#sc-47724	1:20,000
PCK2 Polyclonal antibody	ProteinTech	Cat.#14892-1-AP	1:2,000
PINK1(D8G3) Rabbit mAb	Cell Signaling	Cat.#6946	1:1,000
TOMM7 Polyclonal Antibody	Invitrogen	Cat.#PA5-110508	1:250
TOM22	Invitrogen	Cat.#PA5-51804	1:1,000
TOMM40	ProteinTech	Cat.#8409-1-AP	1:20,000
VDAC1/Porin	abcam	Cat.#ab15895	1:1,000
<i>Immunofluorescence</i>			
Calnexin Polyclonal antibody	ProteinTech	Cat.#10427-2-AP	1:400
c-Myc Monoclonal Antibody (9E10)	Invitrogen	Cat.#MA1-980	1:200
TOMM40	ProteinTech	Cat.#18409-1-AP	1:500
<i>Chemicals and Reagents</i>			
SOURCE	IDENTIFIER		
3-amino benzoic acid ethyl ester (triacaine)	Sigma	Cat.#886-86-2	
N-Phenylthiourea (PTU)	Alfa Aesar	Cat.#103-85-5	
Activin A	ProSpec	Cat.#cyt-414	
Antimycin A from Streptomyces sp.	Sigma	Cat.#1397-94-0	
Alcian blue 8 GX	Sigma	Cat.#33864-99-2	
acetone	Sigma	Cat.#67-64-1	
acetonitrile (ACN)	Sigma	Cat.#75-05-8	
ammonium bicarbonate (ABC)	Sigma	Cat.#1066-33-7	
BAMBANKER	Nippon Genetics	Cat.#BB01	
Bovine Plasma Fibronectin	ScienCell	Cat.#8248	
Blasticidin S HCl	Gibco	Cat.#A1113903	
basement membrane matrix phenol red free	Corning	Cat.#356237	
Cell-Tak	BD Biosciences	Cat.#354240	
CHIR99021	Biovision	Cat.#1677	
carbonyl cyanide 4-(trifluoromethoxy)phenylhydrazone (FCCP)	Sigma	Cat.#370-86-5	
carbonyl cyanide 3-chlorophenylhydrazone (CCCP)	Sigma	Cat.#555-60-2	
cycloheximide	Sigma	Cat.#66-81-9	
DL-Dithiothreitol	Medchemexpress	Cat.#HY-15917	
Digitonin	Sigma	Cat.#11024-24-1	
DMEM, high glucose	Cytiva HyClone	Cat.#SH30022.02	
Fetal bovine serum	Gibco	Cat.#10437028	
formaldehyde	Sigma	Cat.#50-00-0	
formic acetic	Sigma	Cat.#64-18-6	
Human VEGF-121, Animal-Free Recombinant Protein	PeproTech	Cat.#AF-100-20A	
iodoacetamide	Sigma	Cat.#144-48-9	
MitoTracker green	Invitrogen	Cat.#M7514	
MitoTracker deep red	Invitrogen	Cat.#M22426	
MitoTracker SOX	Invitrogen	Cat.#M36008	
OptiMEM	Gibco	Cat.#51985034	
Oligomycin from Streptomyces diastatochromogenes	Sigma	Cat.#1404-19-9	
Penicillin-Streptomycin	Gibco	Cat.#11058021	
poly-D-lysine	Advanced BioMatrix	Cat.#5049	
Poly(Vinyl alcohol)	Sigma	Cat.#341584	
Potassium hydroxide	Honeywell Fluka	Cat.#1310-58-3	
ReLeSR	STEMCELL	Cat.#05872	
Rotenone	Sigma	Cat.#83-79-4	
TransIT [®] -293 Transfection Reagent	Mirus	Cat.#MIR 2704	
Tween 20	Sigma	Cat.#9005-64-5	
tetracycline	Invitrogen	Cat.#550205	
trypsin (Sequencing Grade Modified)	Promega	Cat.#V5111	
urea	Sigma	Cat.#57-13-6	
Vitronectin XF	STEMCELL	Cat.#100-0763, 07180	
Seahorse XF DMEM medium, pH 7.4	Agilent	103575-100	
Seahorse XF RPMI medium, pH 7.4	Agilent	103576-100	
Y-27632	Biovision	Cat.#1596-5	
Z-Leu-Leu-Leu-al (MG132)	Sigma	Cat.#133407-82-6	
zeocin	Invitrogen	Cat.#R25001	
Cell-Tak			
<i>Plasmids</i>			
SOURCE	IDENTIFIER		
pcDNA [™] 5/FRT/TO	Invitrogen	Cat.#V652020	
pOG44 Flp-Recombinase Expression Vector	Invitrogen	Cat.#V600520	
eSpCas9(1.1)-T2A-Puro	Addgene	101039	
<i>Other</i>			
SOURCE	IDENTIFIER		
C-18 Tips, 100 µL bed	Pierce	Cat.#87784	
NuPAGE Bis Tris gels (10%)	Invitrogen	Cat.#NP0301BOX	
0.2 µm PVDF blotting membrane	Amersham Hybond	Cat.#10600021	