

Major Resources Table

In order to allow validation and replication of experiments, all essential research materials listed in the Methods should be included in the Major Resources Table below. Authors are encouraged to use public repositories for protocols, data, code, and other materials and provide persistent identifiers and/or links to repositories when available. Authors may add or delete rows as needed.

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex	Persistent ID / URL

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male					
Parent - Female					

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
Cardiac Troponin T	Abcam	ab45932	1:200		
α -actinin	Sigma-Aldrich	A7732	1:200		
FITC secondary	A16067	A16067	1:250		
Rhodamine secondary	Life Technologies	31663	1:250		
DAPI	Vector labs	D1306	1:5000		
NAA10	Novus	NBF2-19461	1:1000		
NAA15	Sigma-Aldrich	HPA023589	1:1000		
Beta-Actin	Thermo-Scientific	MA5-15739	1:5000		
rabbit IgG HRP secondary	Thermo-Scientific	65-6111	1:2000		
<u>Peroxidase Affinipure Goat Anti-Mouse IgG (H+L)</u>	Jackson laboratory	115-035-003	1:10,000		

DNA/cDNA Clones

Clone Name	Sequence	Source / Repository	Persistent ID / URL

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)	Persistent ID / URL
PGP1 iPS cells	George Church lab, Harvard Medical School	M	

Data & Code Availability

Description	Source / Repository	Persistent ID / URL
Mass spectrometry proteomics data	<i>ProteomeXchange Consortium via the PRIDE</i>	<i>PXD018013 and 10.6019/PXD018013</i>
RNAseq data	<i>GEO public data respository</i>	<i>GSE160809</i>

Other

Description	Source / Repository	Persistent ID / URL