

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
Myh6-Cas9	Dr. Olson's lab	C57BL/6 x 129	Male and female	N/A
<i>Wis</i> ^{flox/flox}	Jackson Laboratory	129S6/SvEvTac	Male and female	012888
<i>Myh6-Cre-Ert2</i>	Jackson Laboratory	FVB/N	Male and female	005657
TCF/LEF:H2B-GFP	Jackson Laboratory	C57BL/6 x 129	Male and female	013752

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male	<i>Myh6-Cre-Ert2; Wis</i> ^{flox/flox}	Jackson Laboratory	FVB/N x 129S6/SvEvTac		
Parent - Female	<i>Wis</i> ^{flox/flox}	Jackson Laboratory	129S6/SvEvTac		012888

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
rabbit anti-Wis	Abcam	ab82897	1:200 For IF 1:1000 For WB		https://www.abcam.com/gpr177wls-antibody-ab82897.html
rabbit anti-ROR1	Cell Signaling Technology	#4102	1:1000 For WB		https://www.cellsignal.com/products/primary-antibodies/antibody/4102
rabbit anti-LRP6	Cell Signaling Technology	#3395	1:1000 For WB		https://www.cellsignal.com/products/primary-antibodies/rabbit-mab/3395?site-search-type=Products&N=4294956287&Ntt=lrp6&fromPage=plp
rabbit anti β -catenin	Cell Signaling Technology	#9562	1:200 For IF 1:1000 For WB		https://www.cellsignal.com/products/primary-antibodies/antibody/9562?site-search-type=Products&N=4294956287&Ntt=%239562&fromPage=
rabbit anti-Axin2	Abcam	ab32197	1:1000 For WB		https://www.abcam.com/axin-2-antibody-ab32197.html
rabbit anti-GAPDH	Abcam	ab9485	1:3000 For WB		https://www.abcam.com/gapdh-antibody-loading-control-
Rabbit IgG-HRP	Bio-rad	1706515	1:5000 for WB		https://www.bio-rad.com/en-us/sku/1706515-goat-anti-ra-conjugate?ID=1706515
Mouse IgG-HRP	Santa cruz	sc-2055	1:5000 for WB		https://datasheets.scbt.com/sc-2055.pdf

DOI [to be added]

mouse anti-troponin T	Thermo Fisher	#MS-295	1:200 For IF		http://tools.thermofisher.com/content/sfs/brochures/D11
rat anti-pHH3	Abcam	ab10543	1:200 For IF		https://www.abcam.com/histone-h3-phospho-s28-antiboc-ab10543.html
rabbit anti-vimentin	Abcam	ab92547	1:200 For IF		https://www.abcam.com/vimentin-antibody-epr3776-cyto-marker-ab92547.html
rabbit anti-collagen I	Abcam	ab21286	1:200 For IF		https://www.abcam.com/collagen-i-antibody-ab21286.htm
chicken anti-GFP	Abcam	ab13970	1:200 For IF		https://www.abcam.com/gfp-antibody-ab13970.html
Horse Anti-Rabbit IgG Antibody (H+L), Biotinylated	Vector Lab	BA-1100	1:200 For IF		https://vectorlabs.com/biotinylated-horse-anti-rabbit-igg-
Goat Anti-Chicken IgY Antibody (H+L), Biotinylated	Vector Lab	BA-9010	1:200 For IF		https://vectorlabs.com/biotinylated-goat-anti-chicken-igy-
Goat Anti-Rat IgG Antibody (H+L), Biotinylated	Vector Lab	BA-9400	1:200 For IF		https://vectorlabs.com/biotinylated-goat-anti-rat-igg-antib
Horse Anti-Mouse IgG Antibody (H+L), Biotinylated	Vector Lab	BA-2000	1:200 For IF		https://vectorlabs.com/biotinylated-horse-anti-mouse-igg-
Streptavidin, Alexa Fluor™ 488 conjugate	Thermo Fisher Scientific	S32354	1:200 For IF		https://www.thermofisher.com/order/catalog/product/S3
Streptavidin, Alexa Fluor™ 546 conjugate	Thermo Fisher Scientific	S11225	1:200 For IF		https://www.thermofisher.com/order/catalog/product/S1hj-S11225#/S11225?SID=srch-hj-S11225
Wheat Germ Agglutinin, Alexa Fluor™ 594 conjugate	Thermo Fisher Scientific	W11262	1:200 For IF		https://www.thermofisher.com/order/catalog/product/W1hj-W11262#/W11262?SID=srch-hj-W11262

DNA/cDNA Clones

Clone Name	Sequence	Source / Repository	Persistent ID / URL
PX-458	Cas9	Addgene	#48183
1179_pAAV-U6-BbsI-gRNA-CB-EmGFP	For gRNA delivery	Addgene	#89060

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)	Persistent ID / URL
Human CFs	Lifeline Cell Technology	M	https://www.lifelinecelltech.com/shop/cells/fibroblasts/cardiac-fibroblasts/normal-human-cardiac-fibroblasts-fc-0060/

Data & Code Availability

Description	Source / Repository	Persistent ID / URL
Bulk RNA-seq for CMs and non-CMs	geo@ncbi.nlm.nih.gov	GSE179355

Other

Description	Source / Repository	Persistent ID / URL