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)

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent – Male Spy-C	Mouse	University of Arizona GEMM Core	BL6/NJ	CRISPR/Cas 9 Edited	
Parent – Female Spy-C	Mouse	University of Arizona GEMM Core	BL6/NJ	CRISPR/Cas 9 Edited	

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
Actin	Sigma-Aldrich (St. Louis, MO, USA)	A9357	1:5,000		
a-actinin	Sigma-Aldrich (St. Louis, MO, USA)	A7811	1:5,000		
cMyBP-C	Custom antibody (University of Wisconsin, Madison, WI)	Harris Lab	1:75,000	Reference: Harris et al, Circ Res 2002;90:594–601.	
Anti-Rabbit (2^0)	Li-Cor (Lincoln, Nebraska, USA)	800CW	1:10,000		
Goat Anti-Mouse (2^0)	Li-Cor (Lincoln, Nebraska, USA)	680CW	1:10,000		
a-actinin AlexaFluor568	Life Technologies (Thermo-Fisher)	A11004	1:10,000		
SpyTag	Genscript (Piscataway, NJ)	Custom antibody order/Harris Lab	1:10,000		

DNA/cDNA Clones

Clone Name	Sequence	Source	Persistent ID / URL
*r*C0C7sc (and related plasmids subcloned or modified from this template)	NP_032679.2 (mouse cMyBP-C cDNA sequence) *Sequence was codon optimized by Genscript for expression in bacteria.	GenScript (Piscataway, NJ)	
TEV protease, S219V mutant	pRK793	Addgene #8827	

Data & Code Availability

Description	Source / Repository	Persistent ID / URL
Data that support the findings of this study are available from the corresponding author upon reasonable request.	Harris Lab	