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
Mus musculus	The Jackson Laboratory	C57BL/6J	Male and Female	000664 - C57BL/6J (jax.org)

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male	*B6.Cg-Piezo1$^{tm2.1Apat}$/J (Mus musculus)*	The Jackson Laboratory	C57		Strain #:029213 RRID:IMSR_JAX:029213
Parent - Female	*Cdh5(PAC)-CreERT2 (Mus musculus)*		C57		http://www.informatics.jax.org/allele/MGI:3848982
Parent – Male & Female	*Cdh5-GCaMP8 (Mus musculus)*	Cornell University Resource for Optogenetic Mouse Signaling (CHROMus)	C57		CHROMusTM designation and lines available: R24:B20 https://chromus.vet.cornell.edu/cdh5gcamp8/
Parent – Male & Female	TRPV4 Knockout (TRPV4$^{-/-}$) *(Mus musculus)*		C57	Global TRPV4 knockout	https://jpet.aspetjournals.org/content/326/2/432
Parent – Male & Female	*inducible brain endothelial $G\alpha_{q/11}$ knockout (be-$G\alpha_{q/11}$ KO) (Mus musculus)*	Drs. Schwaninger and Wenzel	C57		https://www.pnas.org/doi/10.1073/pnas.1907467117

Data & Code Availability

Description	Source / Repository	Persistent ID / URL
Prism	GraphPad	RRID:SCR_002798 https://www.graphpad.com/scientific-software/prism/

DOI [to be added]

Clampfit 10.7	Axon Instruments	RRID:SCR_011323 https://www.moleculardevices.com/products/axon-patch-clamp-system

Other

Description	Source / Repository	Persistent ID / URL
Tamoxifen citrate food	(Envigo, TD.130859)	https://www.envigo.com/tamoxifen-custom-diets