

# Resource Summary Report

Generated by [kravitz2](#) on Sep 6, 2026

## STOCK Tg(Actl6b-Cre)4092Jiwu/J

RRID:IMSR\_JAX:027826

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:027826

### Organism Information

**URL:** <https://www.jax.org/strain/027826>

**Proper Citation:** RRID:IMSR\_JAX:027826

**Description:** Mus musculus with name STOCK Tg(Actl6b-Cre)4092Jiwu/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: transgene insertion 4092; Jie Wu||actin-like 6B; mutant stock: Tg(Actl6b-cre)4092Jiwu||Actl6b

**Affected Gene:** transgene insertion 4092; Jie Wu||actin-like 6B

**Genomic Alteration:** transgene insertion 4092; Jie Wu

**Catalog Number:** JAX:027826

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** STOCK Tg(Actl6b-Cre)4092Jiwu/J

**Record Creation Time:** 20250513T053802+0000

**Record Last Update:** 20260905T044539+0000

### Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Actl6b-Cre)4092Jiwu/J.

No alerts have been found for STOCK Tg(Actl6b-Cre)4092Jiwu/J.

---

## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

---

## Usage and Citation Metrics

We found 17 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Zhao Y, et al. (2026) Gut pathogen *Clostridium symbiosum* rewires macrophage succinylation to drive enteric neuron loss in inflammatory bowel disease. *Cell host & microbe*, 34(4), 620.

Magaña I, et al. (2025) A Novel Cell-Type Specific Circadian Reporter Mouse Reveals Self-Sustained Food Entrainable Nature in Enteric Neurons. *bioRxiv : the preprint server for biology*.

Sun Z, et al. (2025) Intestinal-region-specific functions of AHR in intrinsic enteric neurons during infections. *Cell reports*, 44(4), 115524.

Xu QJ, et al. (2025) Two Specialized Intrinsic Cardiac Neuron Types Safeguard Heart Homeostasis and Stress Resilience. *bioRxiv : the preprint server for biology*.

Wang Y, et al. (2025) Bi-directional communication between intrinsic enteric neurons and ILC2s inhibits host defense against helminth infection. *Immunity*, 58(2), 465.

Stavelly R, et al. (2024) Mature enteric neurons have the capacity to reinnervate the intestine with glial cells as their guide. *Neuron*, 112(18), 3143.

Fournier LA, et al. (2024) Overexpression of the schizophrenia risk gene C4 in PV cells drives sex-dependent behavioral deficits and circuit dysfunction. *bioRxiv : the preprint server for biology*.

Hanscom M, et al. (2024) Innervation of adipocytes is limited in mouse perivascular adipose tissue. *American journal of physiology. Heart and circulatory physiology*, 327(1), H155.

Hendler BJ, et al. (2024) Purinergic P2Y1 and P2Y12 receptors control enteric nervous system activity through neuro-glia-macrophage crosstalk. *Purinergic signalling*.

Fournier LA, et al. (2024) Overexpression of the schizophrenia risk gene C4 in PV cells drives sex-dependent behavioral deficits and circuit dysfunction. *iScience*, 27(9), 110800.

Gourévitch B, et al. (2023) Synchronization of inspiratory burst onset along the ventral respiratory column in the neonate mouse is mediated by electrotonic coupling. *BMC biology*, 21(1), 83.

Pai C, et al. (2023) Sequencing Reveals miRNAs Enriched in the Developing Mouse Enteric Nervous System. *Non-coding RNA*, 10(1).

Bakalar D, et al. (2023) Constitutive and conditional deletion reveals distinct phenotypes driven by developmental versus neurotransmitter actions of the neuropeptide PACAP. *Journal of neuroendocrinology*, 35(11), e13286.

Guyer RA, et al. (2023) Single-cell multiome sequencing clarifies enteric glial diversity and identifies an intraganglionic population poised for neurogenesis. *Cell reports*, 42(3), 112194.

Leonardi I, et al. (2022) Mucosal fungi promote gut barrier function and social behavior via Type 17 immunity. *Cell*, 185(5), 831.

Schweizer N, et al. (2021) Sub-centrosomal mapping identifies augmin-γTuRC as part of a centriole-stabilizing scaffold. *Nature communications*, 12(1), 6042.

Clemens AW, et al. (2020) MeCP2 Represses Enhancers through Chromosome Topology-Associated DNA Methylation. *Molecular cell*, 77(2), 279.