

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

## B6;129S4-Gt(ROSA)26Sor<sup>tm9</sup>(EGFP/Rpl10a)Amc/J

RRID:IMSR\_JAX:024750

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:024750

### Organism Information

**URL:** <https://www.jax.org/strain/024750>

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**Description:** Mus musculus with name B6;129S4-Gt(ROSA)26Sor<sup>tm9</sup>(EGFP/Rpl10a)Amc/J from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.Cg-Gt(ROSA)26Sor/J. L10EGFP. EGFP-L10a

**Notes:** gene symbol note: |gene trap ROSA 26; Philippe Soriano|enhanced green fluorescent protein; ribosomal protein 10; mutant stock: |Gt(ROSA)26Sor|EGFP/Rpl10

**Affected Gene:** |gene trap ROSA 26; Philippe Soriano|enhanced green fluorescent protein; ribosomal protein 10

**Genomic Alteration:** targeted mutation 9; Andrew P McMahon

**Catalog Number:** JAX:024750

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6;129S4-Gt(ROSA)26Sor<sup>tm9</sup>(EGFP/Rpl10a)Amc/J

**Record Creation Time:** 20250513T053752+0000

**Record Last Update:** 20260725T044458+0000

### Ratings and Alerts

No rating or validation information has been found for B6;129S4-Gt(ROSA)26Sor<sup>tm9(EGFP/Rpl10a)Amc/J</sup>.

No alerts have been found for B6;129S4-Gt(ROSA)26Sor<sup>tm9(EGFP/Rpl10a)Amc/J</sup>.

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Xiao T, et al. (2025) RAD23B acquires a copper metalloadapter function in amphibian-to-reptile evolution to increase metabolism and regulate genomic integrity. *Molecular cell*, 85(18), 3443.

Francois M, et al. (2025) Leptin receptor neurons in the dorsomedial hypothalamus require distinct neuronal subsets for thermogenesis and weight loss. *Metabolism: clinical and experimental*, 163, 156100.

Ding X, et al. (2025) Neuroendocrine circuit for sleep-dependent growth hormone release. *Cell*, 188(18), 4968.

Jetsonen E, et al. (2025) Chronic treatment with fluoxetine regulates mitochondrial features and plasticity-associated transcriptomic pathways in parvalbumin-positive interneurons of prefrontal cortex. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*.

Bozadjieva-Kramer N, et al. (2024) Intestinal FGF15 regulates bile acid and cholesterol metabolism but not glucose and energy balance. *JCI insight*, 9(7).

Bhat GP, et al. (2024) Structured wound angiogenesis instructs mesenchymal barrier compartments in the regenerating nerve. *Neuron*, 112(2), 209.

Schwalbe DC, et al. (2024) Molecular Organization of Autonomic, Respiratory, and Spinally-Projecting Neurons in the Mouse Ventrolateral Medulla. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(31).

Jiang Z, et al. (2024) Dopaminergic Neurons in Zona Incerta Drives Appetitive Self-Grooming. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(36), e2308974.

Scott-Hewitt N, et al. (2024) Microglial-derived C1q integrates into neuronal ribonucleoprotein complexes and impacts protein homeostasis in the aging brain. *Cell*, 187(16), 4193.

Kawatake-Kuno A, et al. (2024) Sustained antidepressant effects of ketamine metabolite involve GABAergic inhibition-mediated molecular dynamics in aPVT glutamatergic neurons. *Neuron*.

Ip CK, et al. (2023) Critical role of lateral habenula circuits in the control of stress-induced palatable food consumption. *Neuron*, 111(16), 2583.

Qi Y, et al. (2023) *Agrp*-negative arcuate NPY neurons drive feeding under positive energy balance via altering leptin responsiveness in POMC neurons. *Cell metabolism*, 35(6), 979.

Souza GMPR, et al. (2023) Neuromedin B-Expressing Neurons in the Retrotrapezoid Nucleus Regulate Respiratory Homeostasis and Promote Stable Breathing in Adult Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(30), 5501.

Huesing C, et al. (2022) Organization of sympathetic innervation of interscapular brown adipose tissue in the mouse. *The Journal of comparative neurology*, 530(9), 1363.

Yu H, et al. (2022) Developmental single-cell transcriptomics of hypothalamic POMC neurons reveal the genetic trajectories of multiple neuropeptidergic phenotypes. *eLife*, 11.

Zhang C, et al. (2022) A brainstem circuit for nausea suppression. *Cell reports*, 39(11), 110953.

Liu K, et al. (2021) Metabolic stress drives sympathetic neuropathy within the liver. *Cell metabolism*, 33(3), 666.

Huesing C, et al. (2021) Sympathetic innervation of inguinal white adipose tissue in the mouse. *The Journal of comparative neurology*, 529(7), 1465.

Hwa LS, et al. (2020) Alcohol drinking alters stress response to predator odor via BNST kappa opioid receptor signaling in male mice. *eLife*, 9.

Beekly BG, et al. (2020) Dissociated *Pmch* and *Cre* Expression in Lactating *Pmch-Cre* BAC Transgenic Mice. *Frontiers in neuroanatomy*, 14, 60.