

Resource Summary Report

Generated by SPARC SAWG on Sep 5, 2026

B6.129S4-Gt(ROSA)26Sor^{tm1(FLP1)}Dym/RainJ

RRID:IMSR_JAX:009086

Type: Organism

Proper Citation

RRID:IMSR_JAX:009086

Organism Information

URL: <https://www.jax.org/strain/009086>

Proper Citation: RRID:IMSR_JAX:009086

Description: Mus musculus with name B6.129S4-Gt(ROSA)26Sor^{tm1(FLP1)}Dym/RainJ from IMSR.

Species: Mus musculus

Synonyms: B6.129S4-Gt(ROSA)26Sor/JRainJ

Notes: gene symbol note: gene trap ROSA 26; Philippe Soriano|; congenic strain: Gt(ROSA)26Sor|

Affected Gene: gene trap ROSA 26; Philippe Soriano|

Genomic Alteration: targeted mutation 1; Susan Dymecki

Catalog Number: JAX:009086

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S4-Gt(ROSA)26Sor^{tm1(FLP1)}Dym/RainJ

Record Creation Time: 20250513T053713+0000

Record Last Update: 20260905T044457+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Gt(ROSA)26Sor^{tm1(FLP1)}Dym/RainJ.

No alerts have been found for B6.129S4-Gt(ROSA)26Sor^{tm1(FLP1)}Dym/RainJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 73 mentions in open access literature.

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

Popek M, et al. (2026) Astrocytic TCF7L2 Impacts Brain Osmoregulation and Restricts Neuronal Excitability. *Glia*, 74(2), e70103.

Gallardo Montejano VI, et al. (2026) Acute deletion of PLIN5 in brown adipocytes causes mitochondrial dysfunction and cold intolerance. *bioRxiv : the preprint server for biology*.

Mesquita M, et al. (2026) Ferroptosis is a Physiologic Vulnerability of Iron-Recycling Macrophages. *bioRxiv : the preprint server for biology*.

Lamorte S, et al. (2025) Lymph node macrophages drive immune tolerance and resistance to cancer therapy by induction of the immune-regulatory cytokine IL-33. *Cancer cell*, 43(5), 955.

Bosworth AP, et al. (2025) Astrocyte glypican 5 regulates synapse maturation and stabilization. *Cell reports*, 44(3), 115374.

Fregoso SP, et al. (2025) Loss of miR-9-2 Causes Cerebral Hemorrhage and Hydrocephalus by Widespread Disruption of Cell-Type-Specific Neurodevelopmental Gene Networks. *bioRxiv : the preprint server for biology*.

Thakur P, et al. (2025) An antisense oligonucleotide-based strategy to ameliorate cognitive dysfunction in the 22q11.2 Deletion Syndrome. *eLife*, 13.

Hull VL, et al. (2024) Astroglial conditional Slc13a3 knockout is therapeutic in murine Canavan leukodystrophy. *Annals of clinical and translational neurology*, 11(4), 1059.

Rahbani JF, et al. (2024) Parallel control of cold-triggered adipocyte thermogenesis by UCP1 and CKB. *Cell metabolism*, 36(3), 526.

Chen X, et al. (2023) The lactate dehydrogenase (LDH) isoenzyme spectrum enables optimally controlling T cell glycolysis and differentiation. *Science advances*, 9(12), eadd9554.

Zhang V, et al. (2023) A mouse model characterizes the roles of ZIP8 in systemic iron recycling and lung inflammation and infection. *Blood advances*, 7(7), 1336.

Wu Q, et al. (2023) Renal control of life-threatening malarial anemia. *Cell reports*, 42(2), 112057.

Sprenkle NT, et al. (2023) The miR-23-27-24 clusters drive lipid-associated macrophage proliferation in obese adipose tissue. *Cell reports*, 42(8), 112928.

Ma Z, et al. (2022) Deficiency of autism-related *Scn2a* gene in mice disrupts sleep patterns and circadian rhythms. *Neurobiology of disease*, 168, 105690.

Kang S, et al. (2022) GAB functions as a bioenergetic and signalling gatekeeper to control T cell inflammation. *Nature metabolism*, 4(10), 1322.

Günes Günsel G, et al. (2022) The arginine methyltransferase PRMT7 promotes extravasation of monocytes resulting in tissue injury in COPD. *Nature communications*, 13(1), 1303.

Tawaratsumida K, et al. (2022) A phospho-tyrosine-based signaling module using SPOP, CSK, and LYN controls TLR-induced IRF activity. *Science advances*, 8(27), eabq0084.

Gao S, et al. (2022) UBR2 targets myosin heavy chain IIb and IIx for degradation: Molecular mechanism essential for cancer-induced muscle wasting. *Proceedings of the National Academy of Sciences of the United States of America*, 119(43), e2200215119.

Wellard SR, et al. (2022) PLK1 depletion alters homologous recombination and synaptonemal complex disassembly events during mammalian spermatogenesis. *Molecular biology of the cell*, 33(5), ar37.

Vogel A, et al. (2022) JAK1 signaling in dendritic cells promotes peripheral tolerance in autoimmunity through PD-L1-mediated regulatory T cell induction. *Cell reports*, 38(8), 110420.