

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

B6.129X1-Gt(ROSA)26Sor^{tm1(EYFP)Cos/J}

RRID:IMSR_JAX:006148

Type: Organism

Proper Citation

RRID:IMSR_JAX:006148

Organism Information

URL: <https://www.jax.org/strain/006148>

Proper Citation: RRID:IMSR_JAX:006148

Description: Mus musculus with name B6.129X1-Gt(ROSA)26Sor^{tm1(EYFP)Cos/J} from IMSR.

Species: Mus musculus

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

Affected Gene: gene trap ROSA 26; Philippe Soriano|

Genomic Alteration: targeted mutation 1; Frank Costantini

Catalog Number: JAX:006148

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129X1-Gt(ROSA)26Sor^{tm1(EYFP)Cos/J}

Record Creation Time: 20250513T053655+0000

Record Last Update: 20260919T054844+0000

Ratings and Alerts

- Used for genotyping by the Human Islet Research Network community. Contact(s): [Douglas Melton](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for B6.129X1-Gt(ROSA)26Sor^{tm1(EYFP)}Cos/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 334 mentions in open access literature.

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

Liu L, et al. (2026) Vinculin influences essential processes in enteric nervous system development and Hirschsprung disease pathogenesis. The Journal of clinical investigation, 136(3).

Feetham CH, et al. (2026) Analog of prolactin-releasing peptide reduces body weight primarily through sustained fatty acid oxidation rather than hypophagia. Cell metabolism, 38(1), 100.

Zhang Z, et al. (2026) Hematopoietic stem cells activate a latent differentiation pathway to facilitate recovery after 5-fluorouracil-induced myeloablation. Developmental cell, 61(5), 1044.

Torrico EC, et al. (2026) High-fat diet causes rapid loss of intestinal group 3 innate lymphoid cells through microbiota-driven inflammation and mitochondrial stress. Immunity, 59(4), 988.

Lan L, et al. (2026) A Jagged1-regulated hybrid-EMT state identifies pancreatic cancer stem cells. Cell reports, 45(2), 116909.

Vollmers AC, et al. (2026) Reciprocal regulation of fibroblast-macrophage equilibrium governs skin integrity. Nature immunology, 27(4), 700.

Silva MSB, et al. (2026) A protocol for physiologic LH surge induction in gonad intact female mice. Endocrinology, 167(5).

Bi S, et al. (2026) Respiratory-Limbic Coupling via a Thalamic Circuit Alleviates Anxiety. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(24), e17477.

Silva S, et al. (2026) Western diet suppresses canonical intestinal stem cells and reprograms c-Kit⁺ reserve stem cells via proinflammatory dysbiosis. bioRxiv : the preprint server for biology.

Giri S, et al. (2026) MMP8 mediates CD115 cleavage-dependent elimination of large peritoneal macrophages in response to microbial exposure. Cell reports, 45(4), 117234.

Alouche N, et al. (2026) Homeostatic mature dendritic cells instruct fibroblast specialization via Notch2 signaling to establish T cell niches. *Immunity*, 59(6), 1688.

Wang BS, et al. (2026) Single-cell multiomic approaches define a gradual, spatially regulated epigenetic and transcriptional transition from embryonic to adult neural stem cells. *Stem cell reports*, 21(7), 102967.

Pathak M, et al. (2026) Mouse germline cysts contain a fusome-like structure that mediates oocyte development. *eLife*, 14.

Morgan RC, et al. (2026) Development and function of specified thymic iNKT1 cells critically depend on an Ets1-Tbet transcription factor axis. *Journal of immunology* (Baltimore, Md. : 1950), 215(3).

Thege FI, et al. (2026) An autochthonous CRISPR activation screening platform for characterizing tissue-specific oncogene selection. *Cell reports. Medicine*, 7(5), 102759.

Luo YE, et al. (2026) Resident mesenchymal progenitor cells require autocrine IGF-I in homeostatic and regenerating skeletal muscle. *Stem cell reports*, 21(7), 102973.

Cook SG, et al. (2026) Psilocybin induces sex- and context-specific recruitment of the stress axis. *Current biology : CB*, 36(1), 122.

Allende Labastida J, et al. (2026) Loss of Fatty Acid Oxidation by Neural Stem and Progenitor Cells Increases Proliferation but Does Not Improve Long-Term Neurogenesis After Mild Traumatic Brain Injury. *ASN neuro*, 18(1), 2610198.

Unger L, et al. (2026) Defective HNF1A hinders GLI3 processing favoring duodenal versus pancreatic fate, thus leading to intestinal elongation in vivo. *Genes & development*, 40(11-12), 805.

Bastos J, et al. (2025) Monocytes can efficiently replace all brain macrophages and fetal liver monocytes can generate bona fide SALL1+ microglia. *Immunity*, 58(5), 1269.