

Resource Summary Report

Generated by T1D on Sep 6, 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: 20260905T044438+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 [T1D](#).

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.

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).

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-Wuerttemberg, 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.

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.

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.

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

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.