

Resource Summary Report

Generated by [NIF](#) on Aug 22, 2026

129X1/SvJ

RRID:IMSR_JAX:000691

Type: Organism

Proper Citation

RRID:IMSR_JAX:000691

Organism Information

URL: <https://www.jax.org/strain/000691>

Proper Citation: RRID:IMSR_JAX:000691

Description: Mus musculus with name 129X1/SvJ from IMSR.

Species: Mus musculus

Synonyms: 129X1. 129/SvJ

Notes: gene symbol note: astrotactin 2|disrupted in schizophrenia 1|polymerase (DNA directed); iota|cadherin related 23 (otocadherin); inbred strain: Astn2|Disc1|Poli|Cdh23

Affected Gene: astrotactin 2|disrupted in schizophrenia 1|polymerase (DNA directed); iota|cadherin related 23 (otocadherin)

Genomic Alteration: ridge|deletion|polymerase iota deficient|age related hearing loss 1

Catalog Number: JAX:000691

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: 129X1/SvJ

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260815T050529+0000

Ratings and Alerts

No rating or validation information has been found for 129X1/SvJ.

No alerts have been found for 129X1/SvJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 237 mentions in open access literature.

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

Sato T, et al. (2026) Generation of functionally competent testicular somatic cells from pluripotent stem cells. *Science advances*, 12(9), eadz0269.

Lin ST, et al. (2026) Analysis of retinal ganglion cell subtypes across six different inbred mouse strains. *Molecular vision*, 32, 120.

Mavashov A, et al. (2026) Behavioral and epileptic phenotypes in a CHD2-related developmental delay model. *Epilepsia*, 67(4), 2022.

Bosire EM, et al. (2026) A recombinant lysogenic bacteriophage inhibits *Salmonella* virulence. *Antimicrobial agents and chemotherapy*, 70(2), e0134125.

Boone PM, et al. (2026) Clinical, in vitro, and in vivo evidence of WAPL as a novel cohesinopathy gene and phenotypic driver of 10q22.3q23.2 genomic disorder. *medRxiv* : the preprint server for health sciences.

Bennett AN, et al. (2026) Enhanced *Salmonella* mortality in naturally resistant, immunocompetent male mice is associated with an altered systemic immune response. *Infection and immunity*, 94(4), e0002826.

Lieber CM, et al. (2026) Developmental candidate GHP-88310/EIDD-3608 with high tolerability and oral efficacy in measles and respiratory paramyxovirus models. *Science advances*, 12(21), eaef1594.

Okafor SC, et al. (2026) Neurodevelopmental disorder-causing GRIN1 Y647S variant alters red blood cell physiology in mice. *Physiological reports*, 14(4), e70759.

Mason MS, et al. (2026) Modeling diffuse midline glioma through triple-electrode in utero electroporation of the developing mouse pons. *PloS one*, 21(6), e0351079.

Tin CM, et al. (2026) Single-cell detection and quantification of the microbiota by MicFLY. *Cell host & microbe*.

Thome C, et al. (2025) Live imaging of excitable axonal microdomains in ankyrin-G-GFP mice. *eLife*, 12.

Okami N, et al. (2025) Effects of proximal tubule-specific ATRAP enhancement on hypertension in a remnant kidney chronic kidney disease model of mice. *Scientific reports*, 15(1), 27391.

Mitrofanova A, et al. (2025) The enzyme SMPDL3b in podocytes decouples proteinuria from chronic kidney disease progression in experimental Alport Syndrome. *Kidney international*, 108(2), 253.

Jones BA, et al. (2025) NAD⁺ prevents chronic kidney disease by activating renal tubular metabolism. *JCI insight*, 10(5).

Embaie BT, et al. (2025) Comparative Single-Cell Transcriptomics of Human Neuroblastoma and Preclinical Models Reveals Conservation of an Adrenergic Cell State. *Cancer research*, 85(6), 1015.

Beukenhorst AL, et al. (2025) Intranasal administration of a panreactive influenza antibody reveals Fc-independent mode of protection. *Scientific reports*, 15(1), 10309.

Woo KV, et al. (2025) Echocardiographic Assessment of Pulmonary Hemodynamics and Right Ventricular Performance in Neonatal Murine Hypoxia. *Journal of cardiovascular development and disease*, 12(8).

Di Luccia B, et al. (2025) Salmonella-superspreader hosts require gut regulatory T cells to maintain a disease-tolerant state. *The Journal of experimental medicine*, 222(11).

Tin CM, et al. (2025) Single-cell quantification of the microbiota by flow cytometry: MicFLY. *bioRxiv : the preprint server for biology*.

Jeon HJ, et al. (2025) A parent-of-origin effect on embryonic telomere elongation determines telomere length inheritance. *bioRxiv : the preprint server for biology*.