

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.129S(Cg)-Stat1^{tm1Dlv/J}

RRID:IMSR_JAX:012606

Type: Organism

Proper Citation

RRID:IMSR_JAX:012606

Organism Information

URL: <https://www.jax.org/strain/012606>

Proper Citation: RRID:IMSR_JAX:012606

Description: Mus musculus with name B6.129S(Cg)-Stat1^{tm1Dlv/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: signal transducer and activator of transcription 1; mutant strain|congenic strain: Stat1

Affected Gene: signal transducer and activator of transcription 1

Genomic Alteration: targeted mutation 1; David E Levy

Catalog Number: JAX:012606

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S(Cg)-Stat1^{tm1Dlv/J}

Record Creation Time: 20250513T053721+0000

Record Last Update: 20260725T044430+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S(Cg)-Stat1^{tm1Dlv/J}.

No alerts have been found for B6.129S(Cg)-Stat1^{tm1Dlv/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Ravi VR, et al. (2026) Second-order regulation: IFN- γ suppresses IL-17A-mediated neutrophilic inflammation. bioRxiv : the preprint server for biology.

Huaman C, et al. (2025) A recombinant Cedar virus preclinical model that recapitulates neurological features of henipavirus disease. iScience, 28(10), 113571.

Labarta-Bajo L, et al. (2025) The antiviral Interferon pathway drives astrocyte aging and motor decline. bioRxiv : the preprint server for biology.

Risley CA, et al. (2025) Transcription factor T-bet regulates the maintenance and differentiation potential of lymph node and lung effector memory B cell subsets. Immunity, 58(7), 1706.

Dennaoui R, et al. (2025) STAT-independent functions of Janus kinases 1 and 2 are obligatory for the postnatal development of mammary epithelial ducts. Cell reports, 45(1), 116703.

Shin OS, et al. (2024) Crimean-Congo hemorrhagic fever survivors elicit protective non-neutralizing antibodies that target 11 overlapping regions on glycoprotein GP38. Cell reports, 43(7), 114502.

Jena KK, et al. (2024) Type III interferons induce pyroptosis in gut epithelial cells and impair mucosal repair. Cell, 187(26), 7533.

Liang Y, et al. (2024) Lack of the IFN- γ signal leads to lethal Orientia tsutsugamushi infection in mice with skin eschar lesions. PLoS pathogens, 20(5), e1012020.

Ngo VL, et al. (2024) Intestinal microbiota programming of alveolar macrophages influences severity of respiratory viral infection. Cell host & microbe, 32(3), 335.

Tichauer JE, et al. (2023) Interferon-gamma ameliorates experimental autoimmune encephalomyelitis by inducing homeostatic adaptation of microglia. Frontiers in immunology, 14, 1191838.

Andrews C, et al. (2023) IL-27 induces an IFN-like signature in murine macrophages which in turn modulate colonic epithelium. Frontiers in immunology, 14, 1021824.

Harbour JC, et al. (2023) T helper 1 effector memory CD4⁺ T cells protect the skin from poxvirus infection. Cell reports, 42(5), 112407.

Kennedy EA, et al. (2023) Age-associated features of norovirus infection analysed in mice. *Nature microbiology*, 8(6), 1095.

Zedan A, et al. (2023) Antiviral Functions of Type I and Type III Interferons in the Olfactory Epithelium. *Biomolecules*, 13(12).

Funk MC, et al. (2023) Aged intestinal stem cells propagate cell-intrinsic sources of inflammaging in mice. *Developmental cell*, 58(24), 2914.

Fueyo-González F, et al. (2022) Interferon- γ acts directly on T cells to prolong allograft survival by enhancing regulatory T cell induction through Foxp3 acetylation. *Immunity*, 55(3), 459.

Ghosh S, et al. (2022) Enteric viruses replicate in salivary glands and infect through saliva. *Nature*, 607(7918), 345.

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.

Hernández-Malmierca P, et al. (2022) Antigen presentation safeguards the integrity of the hematopoietic stem cell pool. *Cell stem cell*, 29(5), 760.

Zhao Y, et al. (2022) STAT1 Contributes to Microglial/Macrophage Inflammation and Neurological Dysfunction in a Mouse Model of Traumatic Brain Injury. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(39), 7466.