

Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

B6;SJL-Sting1^{tm1.1Camb/J}

RRID:IMSR_JAX:031670

Type: Organism

Proper Citation

RRID:IMSR_JAX:031670

Organism Information

URL: <https://www.jax.org/strain/031670>

Proper Citation: RRID:IMSR_JAX:031670

Description: Mus musculus with name B6;SJL-Sting1^{tm1.1Camb/J} from IMSR.

Species: Mus musculus

Synonyms: B6;SJL-Tmem173/J

Notes: gene symbol note: stimulator of interferon response cGAMP interactor 1; mutant stock: Sting1

Affected Gene: stimulator of interferon response cGAMP interactor 1

Genomic Alteration: targeted mutation 1.1; John C Cambier

Catalog Number: JAX:031670

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;SJL-Sting1^{tm1.1Camb/J}

Record Creation Time: 20250513T053824+0000

Record Last Update: 20260919T055008+0000

Ratings and Alerts

No rating or validation information has been found for B6;SJL-Sting1^{tm1.1Camb/J}.

No alerts have been found for B6;SJL-Sting1^{tm1.1Camb/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Zhang ZD, et al. (2026) MITA/STING-driven CD38 induction in Siglec-Flow macrophages promotes regulatory T cell survival and non-small cell lung cancer progression. Developmental cell.

Lai YG, et al. (2025) cGAS and STING in Host Myeloid Cells Are Essential for Effective Cyclophosphamide Treatment of Advanced Breast Cancer. Cancers, 17(7).

Zhou W, et al. (2025) ILC3s sense gut microbiota through STING to initiate immune tolerance. Immunity, 58(7), 1762.

Götttert S, et al. (2025) The microbial metabolite desaminotyrosine protects against graft-versus-host disease via mTORC1 and STING-dependent intestinal regeneration. Nature communications, 16(1), 9282.

Sulka KB, et al. (2025) Microglial STING is a central safeguard against neurological decline with age. Cell reports, 44(6), 115749.

Herbst M, et al. (2025) Cancer-cell-derived cGAMP limits the activity of tumor-associated CD8+ T cells. Cell reports, 44(4), 115510.

En A, et al. (2024) Pervasive nuclear envelope ruptures precede ECM signaling and disease onset without activating cGAS-STING in Lamin-cardiomyopathy mice. Cell reports, 43(6), 114284.

Dharshika C, et al. (2023) Stimulator of interferon genes (STING) expression in the enteric nervous system and contributions of glial STING in disease. Neurogastroenterology and motility, 35(7), e14553.

Lei Y, et al. (2023) Cooperative sensing of mitochondrial DNA by ZBP1 and cGAS promotes cardiotoxicity. Cell, 186(14), 3013.

Chen F, et al. (2022) The STING1-MYD88 complex drives ACOD1/IRG1 expression and function in lethal innate immunity. iScience, 25(7), 104561.

Zindl CL, et al. (2022) A nonredundant role for T cell-derived interleukin 22 in antibacterial defense of colonic crypts. Immunity, 55(3), 494.