

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 14, 2025

B6(Cg)-Dnmt3a^{tm1Trow}/J

RRID:IMSR_JAX:032289

Type: Organism

Proper Citation

RRID:IMSR_JAX:032289

Organism Information

URL: <https://www.jax.org/strain/032289>

Proper Citation: RRID:IMSR_JAX:032289

Description: Mus musculus with name B6(Cg)-Dnmt3a^{tm1Trow}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: DNA methyltransferase 3A; mutant strain: Dnmt3a

Affected Gene: DNA methyltransferase 3A

Genomic Alteration: targeted mutation 1; Jennifer Trowbridge

Catalog Number: JAX:032289

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(Cg)-Dnmt3a^{tm1Trow}/J

Record Creation Time: 20250513T053827+0000

Record Last Update: 20250513T054120+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Dnmt3a^{tm1Trow/J}.

No alerts have been found for B6(Cg)-Dnmt3a^{tm1Trow/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Watanuki S, et al. (2024) SDHAF1 confers metabolic resilience to aging hematopoietic stem cells by promoting mitochondrial ATP production. Cell stem cell, 31(8), 1145.

Wang H, et al. (2024) Clonal hematopoiesis driven by mutated DNMT3A promotes inflammatory bone loss. Cell, 187(14), 3690.

SanMiguel JM, et al. (2022) Distinct Tumor Necrosis Factor Alpha Receptors Dictate Stem Cell Fitness versus Lineage Output in Dnmt3a-Mutant Clonal Hematopoiesis. Cancer discovery, 12(12), 2763.