

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

B6;129S4-Tet1^{tm1.1Jae}/J

RRID:IMSR_JAX:017358

Type: Organism

Proper Citation

RRID:IMSR_JAX:017358

Organism Information

URL: <https://www.jax.org/strain/017358>

Proper Citation: RRID:IMSR_JAX:017358

Description: Mus musculus with name B6;129S4-Tet1^{tm1.1Jae}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: tet methylcytosine dioxygenase 1; mutant stock: Tet1

Affected Gene: tet methylcytosine dioxygenase 1

Genomic Alteration: targeted mutation 1.1; Rudolf Jaenisch

Catalog Number: JAX:017358

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S4-Tet1^{tm1.1Jae}/J

Record Creation Time: 20250513T053732+0000

Record Last Update: 20260815T050643+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S4-Tet1^{tm1.1Jae}/J.

No alerts have been found for B6;129S4-Tet1^{tm1.1Jae}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Prasasya RD, et al. (2024) Iterative oxidation by TET1 is required for reprogramming of imprinting control regions and patterning of mouse sperm hypomethylated regions. Developmental cell, 59(8), 1010.

Prasasya RD, et al. (2023) TET1 Catalytic Activity is Required for Reprogramming of Imprinting Control Regions and Patterning of Sperm-Specific Hypomethylated Regions. bioRxiv : the preprint server for biology.

Yang R, et al. (2018) Tet1 and Tet2 maintain mesenchymal stem cell homeostasis via demethylation of the P2rx7 promoter. Nature communications, 9(1), 2143.

Cheng Y, et al. (2018) Ten-Eleven Translocation Proteins Modulate the Response to Environmental Stress in Mice. Cell reports, 25(11), 3194.

Yamaguchi S, et al. (2013) Role of Tet1 in erasure of genomic imprinting. Nature, 504(7480), 460.