

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

B6;129S-Tet2^{tm1.1laai}/J

RRID:IMSR_JAX:017573

Type: Organism

Proper Citation

RRID:IMSR_JAX:017573

Organism Information

URL: <https://www.jax.org/strain/017573>

Proper Citation: RRID:IMSR_JAX:017573

Description: Mus musculus with name B6;129S-Tet2^{tm1.1laai}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: tet methylcytosine dioxygenase 2; mutant stock: Tet2

Affected Gene: tet methylcytosine dioxygenase 2

Genomic Alteration: targeted mutation 1.1; Iannis Aifantis

Catalog Number: JAX:017573

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S-Tet2^{tm1.1laai}/J

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260725T044441+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Tet2^{tm1.1laai}/J.

No alerts have been found for B6;129S-Tet2^{tm1.1laai}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Comazzetto S, et al. (2025) Ascorbate deficiency increases quiescence and self-renewal in hematopoietic stem cells and multipotent progenitors. *Blood*, 145(1), 114.

Mosialou I, et al. (2025) A niche driven mechanism determines response and a mutation-independent therapeutic approach for myeloid malignancies. *Cancer cell*, 43(6), 1007.

Shi Y, et al. (2023) Loss of TET2 impairs endothelial angiogenesis via downregulating STAT3 target genes. *Cell & bioscience*, 13(1), 12.

Romine KA, et al. (2023) BET inhibitors rescue anti-PD1 resistance by enhancing TCF7 accessibility in leukemia-derived terminally exhausted CD8+ T cells. *Leukemia*, 37(3), 580.

Pandey SP, et al. (2022) Tet2 deficiency drives liver microbiome dysbiosis triggering Tc1 cell autoimmune hepatitis. *Cell host & microbe*, 30(7), 1003.

Pratt KJB, et al. (2022) Loss of neuronal Tet2 enhances hippocampal-dependent cognitive function. *Cell reports*, 41(6), 111612.

Moyon S, et al. (2021) TET1-mediated DNA hydroxymethylation regulates adult remyelination in mice. *Nature communications*, 12(1), 3359.

Zebley CC, et al. (2021) Proinflammatory cytokines promote TET2-mediated DNA demethylation during CD8 T cell effector differentiation. *Cell reports*, 37(2), 109796.

Viaud M, et al. (2020) ABCA1 Exerts Tumor-Suppressor Function in Myeloproliferative Neoplasms. *Cell reports*, 30(10), 3397.

Carrillo-Jimenez A, et al. (2019) TET2 Regulates the Neuroinflammatory Response in Microglia. *Cell reports*, 29(3), 697.

Zviran A, et al. (2019) Deterministic Somatic Cell Reprogramming Involves Continuous Transcriptional Changes Governed by Myc and Epigenetic-Driven Modules. *Cell stem cell*, 24(2), 328.

Li SY, et al. (2019) DNMT1 in Six2 Progenitor Cells Is Essential for Transposable Element Silencing and Kidney Development. *Journal of the American Society of Nephrology : JASN*, 30(4), 594.

Sardina JL, et al. (2018) Transcription Factors Drive Tet2-Mediated Enhancer Demethylation to Reprogram Cell Fate. *Cell stem cell*, 23(5), 727.

Song MH, et al. (2017) Vitamin C enhances the expression of IL17 in a Jmjd2-dependent manner. *BMB reports*, 50(1), 49.

Pan W, et al. (2017) The DNA Methylcytosine Dioxygenase Tet2 Sustains Immunosuppressive Function of Tumor-Infiltrating Myeloid Cells to Promote Melanoma Progression. *Immunity*, 47(2), 284.

Nair VS, et al. (2016) DNA Demethylation of the Foxp3 Enhancer Is Maintained through Modulation of Ten-Eleven-Translocation and DNA Methyltransferases. *Molecules and cells*, 39(12), 888.