Resource Summary Report

Generated by kravitz2 on Aug 12, 2026

B6;C3-Tg(tetO-TARDBP*)4Vle/J

RRID:IMSR_JAX:014650
Type: Organism

Proper Citation

RRID:IMSR_JAX:014650

Organism Information

URL: https://www.jax.org/strain/014650

Proper Citation: RRID:IMSR_JAX:014650

Description: Mus musculus with name B6;C3-Tg(tetO-TARDBP*)4Vle/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: TAR DNA binding protein|tet operator|transgene insertion 4; Virginia M Y Lee; mutant stock: TARDBP|tetO|Tg(tetO-TARDBP*)4Vle

Affected Gene: TAR DNA binding protein|tet operator|transgene insertion 4; Virginia M Y Lee

Genomic Alteration: transgene insertion 4; Virginia M Y Lee

Catalog Number: JAX:014650

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;C3-Tg(tetO-TARDBP*)4Vle/J

Record Creation Time: 20250513T053728+0000

Record Last Update: 20260808T050932+0000

Ratings and Alerts

No rating or validation information has been found for B6;C3-Tg(tetO-TARDBP*)4Vle/J.

No alerts have been found for B6;C3-Tg(tetO-TARDBP*)4Vle/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 kravitz2 .

Xie M, et al. (2025) Rod-shaped microglia interact with neuronal dendrites to attenuate cortical excitability during TDP-43-related neurodegeneration. Immunity.

San Gil R, et al. (2024) A transient protein folding response targets aggregation in the early phase of TDP-43-mediated neurodegeneration. Nature communications, 15(1), 1508.

Droppelmann CA, et al. (2024) Mitigation of TDP-43 toxic phenotype by an RGNEF fragment in amyotrophic lateral sclerosis models. Brain : a journal of neurology, 147(6), 2053.

Riemenschneider H, et al. (2023) Targeting the glycine-rich domain of TDP-43 with antibodies prevents its aggregation in vitro and reduces neurofilament levels in vivo. Acta neuropathologica communications, 11(1), 112.

Dyer MS, et al. (2021) Mislocalisation of TDP-43 to the cytoplasm causes cortical hyperexcitability and reduced excitatory neurotransmission in the motor cortex. Journal of neurochemistry, 157(4), 1300.