

Resource Summary Report

Generated by [RRID](#) on Jul 30, 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: transgene insertion 4; Virginia M Y Lee|TAR DNA binding protein|tet operator; mutant stock: Tg(tetO-TARDBP*)4Vle|TARDBP|tetO

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

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: 20260725T044437+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 [RRID](#) .

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.