

Resource Summary Report

Generated by T1D on Sep 20, 2026

B6;C3-Tg(NEFH-tTA)8Vle/J

RRID:IMSR_JAX:025397

Type: Organism

Proper Citation

RRID:IMSR_JAX:025397

Organism Information

URL: <https://www.jax.org/strain/025397>

Proper Citation: RRID:IMSR_JAX:025397

Description: Mus musculus with name B6;C3-Tg(NEFH-tTA)8Vle/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: tetracycline-controlled transactivator|neurofilament heavy|transgene insertion 8; Virginia M-Y Lee; mutant stock: tTA|NEFH|Tg(NEFH-tTA)8Vle

Affected Gene: tetracycline-controlled transactivator|neurofilament heavy|transgene insertion 8; Virginia M-Y Lee

Genomic Alteration: transgene insertion 8; Virginia M-Y Lee

Catalog Number: JAX:025397

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;C3-Tg(NEFH-tTA)8Vle/J

Record Creation Time: 20250513T053753+0000

Record Last Update: 20260919T054939+0000

Ratings and Alerts

No rating or validation information has been found for B6;C3-Tg(NEFH-tTA)8Vle/J.

No alerts have been found for B6;C3-Tg(NEFH-tTA)8Vle/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 [T1D](#) .

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.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. *Cell reports*, 40(1), 111036.