

Resource Summary Report

Generated by [NIF](#) on Sep 13, 2026

FVB/N-Tg(Thy1-cre)1Vln/J

RRID:IMSR_JAX:006143

Type: Organism

Proper Citation

RRID:IMSR_JAX:006143

Organism Information

URL: <https://www.jax.org/strain/006143>

Proper Citation: RRID:IMSR_JAX:006143

Description: Mus musculus with name FVB/N-Tg(Thy1-cre)1Vln/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |thymus cell antigen 1; theta|transgene insertion 1; Fred Van Leuven; coisogenic strain|mutant strain: |Thy1|Tg(Thy1-cre)1Vln

Affected Gene: |thymus cell antigen 1; theta|transgene insertion 1; Fred Van Leuven

Genomic Alteration: transgene insertion 1; Fred Van Leuven

Catalog Number: JAX:006143

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: FVB/N-Tg(Thy1-cre)1Vln/J

Record Creation Time: 20250513T053655+0000

Record Last Update: 20260912T060440+0000

Ratings and Alerts

No rating or validation information has been found for FVB/N-Tg(Thy1-cre)1Vln/J.

No alerts have been found for FVB/N-Tg(Thy1-cre)1Vln/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Li L, et al. (2025) Selective loss of Scn2a in ventral tegmental area dopaminergic neurons leads to dopamine system hypofunction and autistic-like behaviors. *Neuron*.

Zhu Z, et al. (2024) A hypothalamic-amygdala circuit underlying sexually dimorphic aggression. *Neuron*, 112(18), 3176.

Judák L, et al. (2024) Mculus: an immersive virtual reality system for mice incorporating stereo vision. *Nature methods*.

Jun S, et al. (2023) Organization of Purkinje cell development by neuronal MEGF11 in cerebellar granule cells. *Cell reports*, 42(9), 113137.

Huang W, et al. (2023) A corticostriatal projection for sound-evoked and anticipatory motor behavior following temporal expectation. *Neuroreport*, 34(1), 1.

Milicevic KD, et al. (2023) Imaging of Evoked Cortical Depolarizations Using Either ASAP2s, or chi-VSFP, or Di-4-Anepps, or Autofluorescence Optical Signals. *Journal of integrative neuroscience*, 22(6), 160.

Hádinger N, et al. (2023) Region-selective control of the thalamic reticular nucleus via cortical layer 5 pyramidal cells. *Nature neuroscience*, 26(1), 116.

Yao AY, et al. (2023) Bace1 Deletion in the Adult Reverses Epileptiform Activity and Sleep-wake Disturbances in AD Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(35), 6197.

Lu SZ, et al. (2022) Inhibition of astrocytic DRD2 suppresses CNS inflammation in an animal model of multiple sclerosis. *The Journal of experimental medicine*, 219(9).

Babiczyk Á, et al. (2022) Molecular characteristics and laminar distribution of prefrontal neurons projecting to the mesolimbic system. *eLife*, 11.

Szadai Z, et al. (2022) Cortex-wide response mode of VIP-expressing inhibitory neurons by reward and punishment. *eLife*, 11.

Guo Y, et al. (2022) Histone H2A ubiquitination resulting from Brap loss of function connects multiple aging hallmarks and accelerates neurodegeneration. *iScience*, 25(7), 104519.

Anstötz M, et al. (2021) Impaired KCC2 Function Triggers Interictal-Like Activity Driven by Parvalbumin-Expressing Interneurons in the Isolated Subiculum In Vitro. *Cerebral cortex* (New York, N.Y. : 1991), 31(10), 4681.

Wang Q, et al. (2020) The Allen Mouse Brain Common Coordinate Framework: A 3D Reference Atlas. *Cell*, 181(4), 936.

Mota Vieira M, et al. (2020) An Epilepsy-Associated GRIN2A Rare Variant Disrupts CaMKII γ Phosphorylation of GluN2A and NMDA Receptor Trafficking. *Cell reports*, 32(9), 108104.

Muraleedharan R, et al. (2020) AMPK-Regulated Astrocytic Lactate Shuttle Plays a Non-Cell-Autonomous Role in Neuronal Survival. *Cell reports*, 32(9), 108092.

Dvorianchikova G, et al. (2018) Pannexin 1 sustains the electrophysiological responsiveness of retinal ganglion cells. *Scientific reports*, 8(1), 5797.

Ye X, et al. (2017) Regulation of Synaptic Amyloid- β Generation through BACE1 Retrograde Transport in a Mouse Model of Alzheimer's Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(10), 2639.

McCullough KM, et al. (2016) Molecular characterization of Thy1 expressing fear-inhibiting neurons within the basolateral amygdala. *Nature communications*, 7, 13149.

Fuerst PG, et al. (2012) Cell autonomy of DSCAM function in retinal development. *Developmental biology*, 361(2), 326.