

Resource Summary Report

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B6.Cg-Tg(Thy1-YFP)16Jrs/J

RRID:IMSR_JAX:003709

Type: Organism

Proper Citation

RRID:IMSR_JAX:003709

Organism Information

URL: <https://www.jax.org/strain/003709>

Proper Citation: RRID:IMSR_JAX:003709

Description: Mus musculus with name B6.Cg-Tg(Thy1-YFP)16Jrs/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: thymus cell antigen 1; theta|transgene insertion 16; Joshua R Sanes|; mutant strain|congenic strain: Thy1|Tg(Thy1-YFP)16Jrs|

Affected Gene: thymus cell antigen 1; theta|transgene insertion 16; Joshua R Sanes|

Genomic Alteration: transgene insertion 16; Joshua R Sanes

Catalog Number: JAX:003709

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Thy1-YFP)16Jrs/J

Record Creation Time: 20250513T053640+0000

Record Last Update: 20260801T050344+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Thy1-YFP)16Jrs/J.

No alerts have been found for B6.Cg-Tg(Thy1-YFP)16Jrs/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Cai Y, et al. (2025) Myelin-axon interface vulnerability in Alzheimer's disease revealed by subcellular proteomics and imaging of human and mouse brain. *Nature neuroscience*, 28(7), 1418.

Squarcio F, et al. (2025) Ultrastructural effects of learning and post-learning sleep on the dorsal striatum. *Sleep*, 48(10).

Zhang X, et al. (2024) Protocol to induce neurodegeneration in a local area of the mouse brain by stereotaxic injection. *STAR protocols*, 5(3), 103243.

Uruk G, et al. (2024) Cofilactin rod formation mediates inflammation-induced neurite degeneration. *Cell reports*, 43(3), 113914.

Zhang X, et al. (2024) Cell-type specific circadian transcription factor BMAL1 roles in excitotoxic hippocampal lesions to enhance neurogenesis. *iScience*, 27(2), 108829.

Kou Y, et al. (2024) Neutrophil peptide 1 accelerates the clearance of degenerative axons during Wallerian degeneration by activating macrophages after peripheral nerve crush injury. *Neural regeneration research*, 19(8), 1822.

Bornstein B, et al. (2023) Molecular characterization of the intact mouse muscle spindle using a multi-omics approach. *eLife*, 12.

Clark RM, et al. (2023) Intranasal neuropeptide Y1 receptor antagonism improves motor deficits in symptomatic SOD1 ALS mice. *Annals of clinical and translational neurology*, 10(11), 1985.

Lu X, et al. (2023) Preserving extracellular space for high-quality optical and ultrastructural studies of whole mammalian brains. *Cell reports methods*, 3(7), 100520.

Patlin B, et al. (2023) Neuropeptide stimulation of physiological and immunological responses in precision-cut lung slices. *Physiological reports*, 11(22), e15873.

Lee Y, et al. (2023) Transcriptional control of motor pool formation and motor circuit connectivity by the LIM-HD protein Isl2. *eLife*, 12.

Walgrave H, et al. (2023) microRNA-132 regulates gene expression programs involved in microglial homeostasis. *iScience*, 26(6), 106829.

Zhang Q, et al. (2023) Retinal microvascular and neuronal pathologies probed in vivo by adaptive optical two-photon fluorescence microscopy. *eLife*, 12.

Garcia N, et al. (2022) Involvement of the Voltage-Gated Calcium Channels L- P/Q- and N-Types in Synapse Elimination During Neuromuscular Junction Development. *Molecular neurobiology*, 59(7), 4044.

Sekyi MT, et al. (2021) Alleviation of extensive visual pathway dysfunction by a remyelinating drug in a chronic mouse model of multiple sclerosis. *Brain pathology (Zurich, Switzerland)*, 31(2), 312.

Buckle T, et al. (2021) Intraoperative visualization of nerves using a myelin protein-zero specific fluorescent tracer. *EJNMMI research*, 11(1), 50.

Nagai H, et al. (2021) Effects of Severe Sleep Disruption on the Synaptic Ultrastructure of Young Mice. *eNeuro*, 8(4).

Clark CM, et al. (2021) Differential NPY-Y1 Receptor Density in the Motor Cortex of ALS Patients and Familial Model of ALS. *Brain sciences*, 11(8).

Bradshaw DV, et al. (2021) Repetitive Blast Exposure Produces White Matter Axon Damage without Subsequent Myelin Remodeling: In Vivo Analysis of Brain Injury Using Fluorescent Reporter Mice. *Neurotrauma reports*, 2(1), 180.

Li L, et al. (2020) Remnant neuromuscular junctions in denervated muscles contribute to functional recovery in delayed peripheral nerve repair. *Neural regeneration research*, 15(4), 731.