# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 26, 2025

## 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: transgene insertion 16; Joshua R Sanes|thymus cell antigen 1; theta||transgene insertion 16; Joshua R Sanes|thymus cell antigen 1; theta|; mutant strain: Tg(Thy1-YFP)16Jrs|Thy1||Tg(Thy1-YFP)16Jrs|Thy1|

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

**Genomic Alteration:** transgene insertion 16; Joshua R Sanes

**Catalog Number:** JAX:003709

**Database:** International Mouse Resource Center IMSR, JAX

**Database Abbreviation:** IMSR

**Availability:** live

**Alternate IDs:** IMSR_JAX:3709

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

**Record Creation Time:** 20230509T193241+0000

**Record Last Update:** 20250412T090300+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:** International Mouse Resource Center IMSR, JAX

## Usage and Citation Metrics

We found 33 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.


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.

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.

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.

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

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

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

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

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.

Radomski KL, et al. (2022) Acute axon damage and demyelination are mitigated by 4-aminopyridine (4-AP) therapy after experimental traumatic brain injury. Acta neuropathologica communications, 10(1), 67.

Doss SV, et al. (2022) Expression and Roles of Lynx1, a Modulator of Cholinergic Transmission, in Skeletal Muscles and Neuromuscular Junctions in Mice. Frontiers in cell and developmental biology, 10, 838612.

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

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.

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.