Resource Summary Report

Generated by RRID on Jul 29, 2026

B6.Cg-Tg(Thy1-YFP)HJrs/J

RRID:IMSR_JAX:003782
Type: Organism

Proper Citation

RRID:IMSR_JAX:003782

Organism Information

URL: https://www.jax.org/strain/003782

Proper Citation: RRID:IMSR_JAX:003782

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

Species: Mus musculus

Synonyms: B6.Cg-Tg(Thy1-YFPH)2Jrs/J

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

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

Genomic Alteration: transgene insertion H; Joshua R Sanes

Catalog Number: JAX:003782

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

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

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260725T044350+0000

Ratings and Alerts

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

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

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 115 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Kreeger LJ, et al. (2025) An anatomical and physiological basis for flexible coincidence detection in the auditory system. eLife, 13.

Yount ST, et al. (2025) Parallel neuronal structural plasticity with memory trace formation in the orbitofrontal cortex. Nature communications, 16(1), 8521.

Alkaslasi MR, et al. (2025) The transcriptional response of cortical neurons to concussion reveals divergent fates after injury. Nature communications, 16(1), 1097.

Chakraborty P, et al. (2025) Meal scheduling corrects obesogenic diet induced-uncoupling of cortico-hippocampal activities supporting memory. EBioMedicine, 117, 105783.

Akter Y, et al. (2025) Combining nanobody labeling with STED microscopy reveals input-specific and layer-specific organization of neocortical synapses. PLoS biology, 23(4), e3002649.

Jansen MI, et al. (2025) Neuronal PAC1 deletion impairs structural plasticity. Life sciences, 378, 123843.

Liu X, et al. (2025) SeeThrough: a rationally designed skull clearing technique for in vivo brain imaging. Nature communications, 16(1), 7584.

Zengeler KE, et al. (2025) Inflammasome signaling in astrocytes modulates hippocampal plasticity. Immunity, 58(6), 1519.

Xie M, et al. (2025) Rod-shaped microglia interact with neuronal dendrites to attenuate cortical excitability during TDP-43-related neurodegeneration. Immunity.

Santos JRF, et al. (2025) Developmental trajectories predict dendritic remodeling after injury. iScience, 28(9), 113373.

Brandebura AN, et al. (2025) Dysregulation of astrocyte-secreted pleiotrophin contributes to neuronal structural and functional deficits in Down syndrome. Cell reports, 44(10), 116300.

Manubens-Gil L, et al. (2024) Deficits in neuronal architecture but not over-inhibition are main determinants of reduced neuronal network activity in a mouse model of

overexpression of Dyrk1A. Cerebral cortex (New York, N.Y. : 1991), 34(1).

Coulson RL, et al. (2024) Translational modulator ISRIB alleviates synaptic and behavioral phenotypes in Fragile X syndrome. iScience, 27(4), 109259.

Sequeira MK, et al. (2024) Cocaine disrupts action flexibility via glucocorticoid receptors. iScience, 27(7), 110148.

Zhang Y, et al. (2024) Long-term mesoscale imaging of 3D intercellular dynamics across a mammalian organ. Cell, 187(21), 6104.

Wei HR, et al. (2024) A microglial activation cascade across cortical regions underlies secondary mechanical hypersensitivity to amputation. Cell reports, 43(2), 113804.

Hanes CM, et al. (2024) A C-terminal motif containing a PKC phosphorylation site regulates ??-Protocadherin-mediated dendrite arborization in the cerebral cortex in vivo. bioRxiv : the preprint server for biology.

Chelini G, et al. (2024) Focal clusters of peri-synaptic matrix contribute to activity-dependent plasticity and memory in mice. Cell reports, 43(5), 114112.

Reeson P, et al. (2023) Optical opening of the blood-brain barrier for targeted and ultra-sparse viral infection of cells in mouse cortex. Cell reports methods, 3(6), 100489.

Chen Y, et al. (2023) Scalable projected Light Sheet Microscopy for high-resolution imaging of living and cleared samples. bioRxiv : the preprint server for biology.