

Resource Summary Report

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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*.