

Resource Summary Report

Generated by T1D on Sep 20, 2026

STOCK Tg(Thy1-cre/ERT2.-EYFP)HGfng/PyngJ

RRID:IMSR_JAX:012708

Type: Organism

Proper Citation

RRID:IMSR_JAX:012708

Organism Information

URL: <https://www.jax.org/strain/012708>

Proper Citation: RRID:IMSR_JAX:012708

Description: Mus musculus with name STOCK Tg(Thy1-cre/ERT2.-EYFP)HGfng/PyngJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: |thymus cell antigen 1; theta|transgene insertion H; Guoping Feng|estrogen receptor 1; mutant stock: |Thy1|Tg(Thy1-cre/ERT2;-EYFP)HGfng|ESR1

Affected Gene: |thymus cell antigen 1; theta|transgene insertion H; Guoping Feng|estrogen receptor 1

Genomic Alteration: transgene insertion H; Guoping Feng

Catalog Number: JAX:012708

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Tg(Thy1-cre/ERT2.-EYFP)HGfng/PyngJ

Record Creation Time: 20250513T053722+0000

Record Last Update: 20260919T054909+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Thy1-cre/ERT2.-EYFP)HGfng/PyngJ.

No alerts have been found for STOCK Tg(Thy1-cre/ERT2.-EYFP)HGfng/PyngJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Nicholson M, et al. (2025) Neuronal TrkB supports adult cortical oligodendrogenesis in the brains of older adult mice. *Neurobiology of aging*, 160, 64.

Wu S, et al. (2024) Endoplasmic reticulum associated degradation preserves neurons viability by maintaining endoplasmic reticulum homeostasis. *Frontiers in neuroscience*, 18, 1437854.

Hull JM, et al. (2023) Heterogeneity of voltage gated sodium current density between neurons decorrelates spiking and suppresses network synchronization in Scn1b null mouse models. *Scientific reports*, 13(1), 8887.

Chang C, et al. (2023) Mouse models of human CNTNAP1-associated congenital hypomyelinating neuropathy and genetic restoration of murine neurological deficits. *Cell reports*, 42(10), 113274.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. *Neuron*, 106(1), 37.

Harun-Or-Rashid M, et al. (2020) MCT2 overexpression rescues metabolic vulnerability and protects retinal ganglion cells in two models of glaucoma. *Neurobiology of disease*, 141, 104944.

Kharouf Q, et al. (2020) The hyperpolarization-activated cyclic nucleotide-gated 4 channel as a potential anti-seizure drug target. *British journal of pharmacology*, 177(16), 3712.

Ru?? L, et al. (2019) Reducing EphA4 before disease onset does not affect survival in a mouse model of Amyotrophic Lateral Sclerosis. *Scientific reports*, 9(1), 14112.

Bento-Abreu A, et al. (2018) Elongator subunit 3 (ELP3) modifies ALS through tRNA modification. *Human molecular genetics*, 27(7), 1276.

Taylor AM, et al. (2018) Simultaneous Ablation of Neuronal Neurofascin and Ankyrin G in Young and Adult Mice Reveals Age-Dependent Increase in Nodal Stability in Myelinated Axons and Differential Effects on the Lifespan. *eNeuro*, 5(3).

Fonseca MI, et al. (2017) Cell-specific deletion of C1qa identifies microglia as the dominant source of C1q in mouse brain. *Journal of neuroinflammation*, 14(1), 48.

Lu Q, et al. (2017) Immunohistochemical Procedures for Characterizing the Retinal Expression Patterns of Cre Driver Mouse Lines. *Methods in molecular biology* (Clifton, N.J.), 1642, 181.

Saifetiarova J, et al. (2017) Early and Late Loss of the Cytoskeletal Scaffolding Protein, Ankyrin G Reveals Its Role in Maturation and Maintenance of Nodes of Ranvier in Myelinated Axons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(10), 2524.