

Resource Summary Report

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B6.Cg-Tg(Fos-tTA.Fos-EGFP*)1Mmay/J

RRID:IMSR_JAX:018306

Type: Organism

Proper Citation

RRID:IMSR_JAX:018306

Organism Information

URL: <https://www.jax.org/strain/018306>

Proper Citation: RRID:IMSR_JAX:018306

Description: Mus musculus with name B6.Cg-Tg(Fos-tTA.Fos-EGFP*)1Mmay/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Fos proto-oncogene; AP-1 transcription factor subunit|transgene insertion 1; Mark Mayford||tetracycline-controlled transactivator; mutant strain|congenic strain: Fos|Tg(Fos-tTA;Fos-EGFP*)1Mmay||tTA

Affected Gene: Fos proto-oncogene; AP-1 transcription factor subunit|transgene insertion 1; Mark Mayford||tetracycline-controlled transactivator

Genomic Alteration: transgene insertion 1; Mark Mayford

Catalog Number: JAX:018306

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Fos-tTA.Fos-EGFP*)1Mmay/J

Record Creation Time: 20250513T053737+0000

Record Last Update: 20260725T044445+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Fos-tTA.Fos-EGFP*)1Mmay/J.

No alerts have been found for B6.Cg-Tg(Fos-tTA.Fos-EGFP*)1Mmay/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Taufique SKT, et al. (2025) A novel circadian behavior rhythm in arrhythmic Period triple knockout mice revealed by constant light exposure. *iScience*, 28(9), 113292.

Kim R, et al. (2024) Distinct subpopulations of ventral pallidal cholinergic projection neurons encode valence of olfactory stimuli. *Cell reports*, 43(4), 114009.

Wilmot JH, et al. (2024) Abnormal c-Fos expression in TetTag mice containing fos-EGFP. *Frontiers in behavioral neuroscience*, 18, 1500794.

Li HY, et al. (2023) A thalamic-primary auditory cortex circuit mediates resilience to stress. *Cell*, 186(7), 1352.

Pettit NL, et al. (2022) Fos ensembles encode and shape stable spatial maps in the hippocampus. *Nature*, 609(7926), 327.

Pettit NL, et al. (2022) Hippocampal place codes are gated by behavioral engagement. *Nature neuroscience*, 25(5), 561.

Lamothe-Molina PJ, et al. (2022) ?FosB accumulation in hippocampal granule cells drives cFos pattern separation during spatial learning. *Nature communications*, 13(1), 6376.

Qi X, et al. (2022) A nociceptive neuronal ensemble in the dorsomedial prefrontal cortex underlies pain chronicity. *Cell reports*, 41(11), 111833.

Wang H, et al. (2022) A novel spinal neuron connection for heat sensation. *Neuron*, 110(14), 2315.

Jessen K, et al. (2022) Comparison of prefrontal cortex sucrose seeking ensembles engaged in multiple seeking sessions: Context is key. *Journal of neuroscience research*, 100(4), 1008.

Fan X, et al. (2022) Noradrenergic signaling mediates cortical early tagging and storage of remote memory. *Nature communications*, 13(1), 7623.

- Bessi res B, et al. (2020) Early life experiences selectively mature learning and memory abilities. *Nature communications*, 11(1), 628.
- Levitan D, et al. (2020) Deletion of *Stk11* and *Fos* in mouse BLA projection neurons alters intrinsic excitability and impairs formation of long-term aversive memory. *eLife*, 9.
- Collins B, et al. (2020) Circadian VIPergic Neurons of the Suprachiasmatic Nuclei Sculpt the Sleep-Wake Cycle. *Neuron*, 108(3), 486.
- Choi JE, et al. (2020) Capturing activated neurons and synapses. *Neuroscience research*, 152, 25.
- Nguyen MQ, et al. (2019) Stereotyped transcriptomic transformation of somatosensory neurons in response to injury. *eLife*, 8.
- Ehling S, et al. (2018) To scratch an itch: Establishing a mouse model to determine active brain areas involved in acute histaminergic itch. *IBRO reports*, 5, 67.
- Vickers ED, et al. (2018) Parvalbumin-Interneuron Output Synapses Show Spike-Timing-Dependent Plasticity that Contributes to Auditory Map Remodeling. *Neuron*, 99(4), 720.
- Milczarek MM, et al. (2018) Spatial Memory Engram in the Mouse Retrosplenial Cortex. *Current biology : CB*, 28(12), 1975.
- Du J, et al. (2017) Transient acidosis while retrieving a fear-related memory enhances its lability. *eLife*, 6.