Resource Summary Report

Generated by RRID on Jul 29, 2026

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.

Bessières 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.