

Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 2026

B6.Cg-Tg(Fos/EGFP)1-3Brth/J

RRID:IMSR_JAX:014135

Type: Organism

Proper Citation

RRID:IMSR_JAX:014135

Organism Information

URL: <https://www.jax.org/strain/014135>

Proper Citation: RRID:IMSR_JAX:014135

Description: Mus musculus with name B6.Cg-Tg(Fos/EGFP)1-3Brth/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Fos proto-oncogene; AP-1 transcription factor subunit|transgene insertion 1-3; Alison Barth|; mutant strain|congenic strain: Fos|Tg(Fos/EGFP)1-3Brth|

Affected Gene: Fos proto-oncogene; AP-1 transcription factor subunit|transgene insertion 1-3; Alison Barth|

Genomic Alteration: transgene insertion 1-3; Alison Barth

Catalog Number: JAX:014135

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Fos/EGFP)1-3Brth/J

Record Creation Time: 20250513T053727+0000

Record Last Update: 20260801T050432+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Fos/EGFP)1-3Brth/J.

No alerts have been found for B6.Cg-Tg(Fos/EGFP)1-3Brth/J.

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 [PRECISE-TBI](#) .

Lei B, et al. (2025) Reconstructing a new hippocampal engram for systems reconsolidation and remote memory updating. *Neuron*, 113(3), 471.

Yogesh B, et al. (2025) Quantification of the effect of hemodynamic occlusion in two-photon imaging of mouse cortex. *eLife*, 14.

Subach OM, et al. (2023) Blue-to-Red TagFT, mTagFT, mTsFT, and Green-to-FarRed mNeptusFT2 Proteins, Genetically Encoded True and Tandem Fluorescent Timers. *International journal of molecular sciences*, 24(4).

Oulé M, et al. (2021) Dendritic Kv4.2 potassium channels selectively mediate spatial pattern separation in the dentate gyrus. *iScience*, 24(8), 102876.

Almada AE, et al. (2021) FOS licenses early events in stem cell activation driving skeletal muscle regeneration. *Cell reports*, 34(4), 108656.

Lee J, et al. (2021) FosGFP expression does not capture a sensory learning-related engram in superficial layers of mouse barrel cortex. *Proceedings of the National Academy of Sciences of the United States of America*, 118(52).

Brebner LS, et al. (2020) Extinction of cue-evoked food-seeking recruits a GABAergic interneuron ensemble in the dorsal medial prefrontal cortex of mice. *The European journal of neuroscience*, 52(7), 3723.

Joffe ME, et al. (2020) mGlu2 and mGlu3 Negative Allosteric Modulators Divergently Enhance Thalamocortical Transmission and Exert Rapid Antidepressant-like Effects. *Neuron*, 105(1), 46.

Brebner LS, et al. (2020) The Emergence of a Stable Neuronal Ensemble from a Wider Pool of Activated Neurons in the Dorsal Medial Prefrontal Cortex during Appetitive Learning in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(2), 395.

Pléau C, et al. (2020) Dentate Granule Cells Recruited in the Home Environment Display Distinctive Properties. *Frontiers in cellular neuroscience*, 14, 609123.

Sieburg MC, et al. (2019) Reward Devaluation Attenuates Cue-Evoked Sucrose Seeking and Is Associated with the Elimination of Excitability Differences between Ensemble and Non-ensemble Neurons in the Nucleus Accumbens. *eNeuro*, 6(6).

Harris NA, et al. (2018) Dorsal BNST α 2A-Adrenergic Receptors Produce HCN-Dependent Excitatory Actions That Initiate Anxiogenic Behaviors. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(42), 8922.

Ziminski JJ, et al. (2017) Changes in Appetitive Associative Strength Modulates Nucleus Accumbens, But Not Orbitofrontal Cortex Neuronal Ensemble Excitability. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(12), 3160.