Resource Summary Report

Generated by RRID on Jul 29, 2026

B6.Cg-Tg(Fev-cre)1Esd/J

RRID:IMSR_JAX:012712
Type: Organism

Proper Citation

RRID:IMSR_JAX:012712

Organism Information

URL: https://www.jax.org/strain/012712

Proper Citation: RRID:IMSR_JAX:012712

Description: Mus musculus with name B6.Cg-Tg(Fev-cre)1Esd/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |FEV transcription factor; ETS family member|transgene insertion 1; Evan S Deneris; mutant strain|congenic strain: |Fev|Tg(Fev-cre)1Esd

Affected Gene: |FEV transcription factor; ETS family member|transgene insertion 1; Evan S Deneris

Genomic Alteration: transgene insertion 1; Evan S Deneris

Catalog Number: JAX:012712

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Fev-cre)1Esd/J

Record Creation Time: 20250513T053722+0000

Record Last Update: 20260725T044431+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Fev-cre)1Esd/J.

No alerts have been found for B6.Cg-Tg(Fev-cre)1Esd/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 .

Zhang Y, et al. (2025) Coding principles and mechanisms of serotonergic transmission modes. Molecular psychiatry, 30(8), 3430.

Pan YD, et al. (2024) Intermittent Hypobaric Hypoxia Ameliorates Autistic-Like Phenotypes in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(7).

Khan NS, et al. (2024) Behavioral and Neurophysiological Implications of Pathological Human Tau Expression in Serotonin Neurons. ACS chemical neuroscience, 15(5), 932.

Martianova E, et al. (2023) Hypothalamic neuronal outputs transmit sensorimotor signals at the onset of locomotor initiation. iScience, 26(11), 108328.

Wang J, et al. (2023) Aberrant serotonergic signaling contributes to the hyperexcitability of CA1 pyramidal neurons in a mouse model of Alzheimer's disease. Cell reports, 42(3), 112152.

Benhadda A, et al. (2023) 5-HT1A and 5-HT2B receptor interaction and co-clustering regulate serotonergic neuron excitability. iScience, 26(8), 107401.

Belmer A, et al. (2022) Neural serotonergic circuits for controlling long-term voluntary alcohol consumption in mice. Molecular psychiatry, 27(11), 4599.

Süß ST, et al. (2022) Constitutive 5-HT2C receptor knock-out facilitates fear extinction through altered activity of a dorsal raphe-bed nucleus of the stria terminalis pathway. Translational psychiatry, 12(1), 487.

Aby F, et al. (2022) Switch of serotonergic descending inhibition into facilitation by a spinal chloride imbalance in neuropathic pain. Science advances, 8(30), eabo0689.

de Filippo R, et al. (2021) Somatostatin interneurons activated by 5-HT2A receptor suppress slow oscillations in medial entorhinal cortex. eLife, 10.

Hsu LM, et al. (2020) Automatic Skull Stripping of Rat and Mouse Brain MRI Data Using U-Net. Frontiers in neuroscience, 14, 568614.

Azimi Z, et al. (2020) Separable gain control of ongoing and evoked activity in the visual cortex by serotonergic input. eLife, 9.

Cardozo Pinto DF, et al. (2019) Characterization of transgenic mouse models targeting neuromodulatory systems reveals organizational principles of the dorsal raphe. Nature communications, 10(1), 4633.

Grandjean J, et al. (2019) A brain-wide functional map of the serotonergic responses to acute stress and fluoxetine. Nature communications, 10(1), 350.

Huang KW, et al. (2019) Molecular and anatomical organization of the dorsal raphe nucleus. eLife, 8.

Li Y, et al. (2019) Rostral and Caudal Ventral Tegmental Area GABAergic Inputs to Different Dorsal Raphe Neurons Participate in Opioid Dependence. Neuron, 101(4), 748.

Iwasaki K, et al. (2018) Ablation of Central Serotonergic Neurons Decreased REM Sleep and Attenuated Arousal Response. Frontiers in neuroscience, 12, 535.

Teixeira CM, et al. (2018) Hippocampal 5-HT Input Regulates Memory Formation and Schaffer Collateral Excitation. Neuron, 98(5), 992.

Hulbert SW, et al. (2017) Cellular and Circuitry Bases of Autism: Lessons Learned from the Temporospatial Manipulation of Autism Genes in the Brain. Neuroscience bulletin, 33(2), 205.

Yeh SY, et al. (2017) Respiratory Network Stability and Modulatory Response to Substance P Require Nalcn. Neuron, 94(2), 294.