

Resource Summary Report

Generated by [dkNET](#) on Sep 20, 2026

B6.FVB(Cg)-Tg(Slc6a4-cre)ET33Gsat/Mmucd

RRID:MMRRC_031028-UCD

Type: Organism

Proper Citation

RRID:MMRRC_031028-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=31028

Proper Citation: RRID:MMRRC_031028-UCD

Description: Mus musculus with name B6.FVB(Cg)-Tg(Slc6a4-cre)ET33Gsat/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

Affected Gene: |Slc6a4|cre

Catalog Number: 031028-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_31028-UCD, MMRRC_031028, MMRRC_3128

Organism Name: B6.FVB(Cg)-Tg(Slc6a4-cre)ET33Gsat/Mmucd

Record Creation Time: 20230308T055121+0000

Record Last Update: 20260919T133825+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB(Cg)-Tg(Slc6a4-cre)ET33Gsat/Mmucd.

No alerts have been found for B6.FVB(Cg)-Tg(Slc6a4-cre)ET33Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Zhong S, et al. (2025) Ultrabright chemical labeling enables rapid neural connectivity profiling in large tissue samples. *Neuron*.

Lee KKY, et al. (2024) Neonatal hypoxia impairs serotonin release and cognitive functions in adult mice. *Neurobiology of disease*, 193, 106465.

Negueruela S, et al. (2024) Proper Frequency of Perinatal Retinal Waves Is Essential for the Precise Wiring of Visual Axons in Nonimage-Forming Nuclei. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(40).

Mehta K, et al. (2024) A cis-regulatory module underlies retinal ganglion cell genesis and axonogenesis. *Cell reports*, 43(6), 114291.

Worley A, et al. (2023) Contrasting walking styles map to discrete neural substrates in the mouse brainstem. *bioRxiv : the preprint server for biology*.

Burke S, et al. (2022) Axonal Domain Structure as a Putative Identifier of Neuron-Specific Vulnerability to Oxidative Stress in Cultured Neurons. *eNeuro*, 9(5).

Kingston R, et al. (2021) Serotonin transporter-mediated molecular axis regulates regional retinal ganglion cell vulnerability and axon regeneration after nerve injury. *PLoS genetics*, 17(11), e1009885.

Cazettes F, et al. (2021) Phasic Activation of Dorsal Raphe Serotonergic Neurons Increases Pupil Size. *Current biology : CB*, 31(1), 192.

Sengupta A, et al. (2019) A Discrete Dorsal Raphe to Basal Amygdala 5-HT Circuit Calibrates Aversive Memory. *Neuron*, 103(3), 489.

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.

Huang L, et al. (2017) A retinoraphe projection regulates serotonergic activity and looming-evoked defensive behaviour. *Nature communications*, 8, 14908.

Sengupta A, et al. (2017) Control of Amygdala Circuits by 5-HT Neurons via 5-HT and Glutamate Cotransmission. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(7), 1785.

Zhong W, et al. (2017) Learning and Stress Shape the Reward Response Patterns of Serotonin Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(37), 8863.

Jin Y, et al. (2016) Regrowth of Serotonin Axons in the Adult Mouse Brain Following Injury. *Neuron*, 91(4), 748.

Bocchio M, et al. (2016) Sleep and Serotonin Modulate Paracapsular Nitric Oxide Synthase Expressing Neurons of the Amygdala. *eNeuro*, 3(5).

Li Y, et al. (2016) Serotonin neurons in the dorsal raphe nucleus encode reward signals. *Nature communications*, 7, 10503.

Isingrini E, et al. (2016) Selective genetic disruption of dopaminergic, serotonergic and noradrenergic neurotransmission: insights into motor, emotional and addictive behaviour. *Journal of psychiatry & neuroscience : JPN*, 41(3), 169.

Brunert D, et al. (2016) Cell-Type-Specific Modulation of Sensory Responses in Olfactory Bulb Circuits by Serotonergic Projections from the Raphe Nuclei. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 36(25), 6820.

Rothermel M, et al. (2013) Transgene expression in target-defined neuron populations mediated by retrograde infection with adeno-associated viral vectors. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 33(38), 15195.