Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 24, 2025

STOCK Tg(Drd2-EGFP)S118Gsat/Mmnc

RRID:MMRRC_000230-UNC
Type: Organism

Proper Citation

RRID:MMRRC_000230-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=230

Proper Citation: RRID:MMRRC_000230-UNC

Description: Mus musculus with name STOCK Tg(Drd2-EGFP)S118Gsat/Mmnc from MMRRC.

Species: Mus musculus

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

Affected Gene: Drd2|EGFP|

Catalog Number: 000230-UNC

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:14586460

Alternate IDs: MMRRC_230-UNC, MMRRC_000230, MMRRC_23

Organism Name: STOCK Tg(Drd2-EGFP)S118Gsat/Mmnc

Record Creation Time: 20230308T054751+0000

Record Last Update: 20250419T222357+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Drd2-EGFP)S118Gsat/Mmnc.

No alerts have been found for STOCK Tg(Drd2-EGFP)S118Gsat/Mmnc.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We found 62 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Bjerke IE, et al. (2024) The developing mouse dopaminergic system: Cortical-subcortical shift in D1/D2 receptor balance and increasing regional differentiation. Neurochemistry international, 182, 105899.

Wang Q, et al. (2024) Dopaminergic inhibition of the inwardly rectifying potassium current in direct pathway medium spiny neurons in normal and parkinsonian striatum. bioRxiv : the preprint server for biology.

Ferguson LA, et al. (2024) Adaptation of sequential action benefits from timing variability related to lateral basal ganglia circuitry. iScience, 27(3), 109274.

Zhai S, et al. (2024) Ca2+-dependent phosphodiesterase 1 regulates the plasticity of striatal spiny projection neuron glutamatergic synapses. Cell reports, 43(8), 114540.

Haetzel LM, et al. (2024) Haploinsufficiency of Syngap1 in Striatal Indirect Pathway Neurons Alters Motor and Goal-Directed Behaviors in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(48).

Malgady JM, et al. (2023) Pathway-specific alterations in striatal excitability and cholinergic modulation in a SAPAP3 mouse model of compulsive motor behavior. Cell reports, 42(11), 113384.

Chuhma N, et al. (2023) The dopamine neuron synaptic map in the striatum. Cell reports, 42(3), 112204.

Duarte F, et al. (2023) Semi-automated workflows to quantify AAV transduction in various brain areas and predict gene editing outcome for neurological disorders. Molecular therapy. Methods & clinical development, 29, 254.

Zhang YF, et al. (2023) Ventral striatal islands of Calleja neurons bidirectionally mediate depression-like behaviors in mice. Nature communications, 14(1), 6887.

Ayon-Olivas M, et al. (2023) Dopaminergic Input Regulates the Sensitivity of Indirect Pathway Striatal Spiny Neurons to Brain-Derived Neurotrophic Factor. Biology, 12(10).

Shan Q, et al. (2023) Adolescent social isolation shifts the balance of decision-making strategy from goal-directed action to habitual response in adulthood via suppressing the excitatory neurotransmission onto the direct pathway of the dorsomedial striatum. Cerebral cortex (New York, N.Y. : 1991), 33(5), 1595.

Cheung THC, et al. (2023) Learning critically drives parkinsonian motor deficits through imbalanced striatal pathway recruitment. Proceedings of the National Academy of Sciences of the United States of America, 120(12), e2213093120.

Andreska T, et al. (2023) DRD1 signaling modulates TrkB turnover and BDNF sensitivity in direct pathway striatal medium spiny neurons. Cell reports, 42(6), 112575.

Fleming W, et al. (2022) Cholinergic interneurons mediate cocaine extinction in male mice through plasticity across medium spiny neuron subtypes. Cell reports, 39(9), 110874.

Ramírez-Jarquín UN, et al. (2022) Rhes protein transits from neuron to neuron and facilitates mutant huntingtin spreading in the brain. Science advances, 8(12), eabm3877.

Pittolo S, et al. (2022) Dopamine activates astrocytes in prefrontal cortex via ?1-adrenergic receptors. Cell reports, 40(13), 111426.

Xenias HS, et al. (2022) R1441C and G2019S LRRK2 knockin mice have distinct striatal molecular, physiological, and behavioral alterations. Communications biology, 5(1), 1211.

Perez S, et al. (2022) Striatum expresses region-specific plasticity consistent with distinct memory abilities. Cell reports, 38(11), 110521.

Shan Q, et al. (2022) Nucleus accumbens dichotomically controls social dominance in male mice. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 47(3), 776.

Bjerke IE, et al. (2022) DOPAMAP, high-resolution images of dopamine 1 and 2 receptor expression in developing and adult mouse brains. Scientific data, 9(1), 175.