Resource Summary Report

Generated by dkNET on Sep 9, 2026

B6;129-Tg(Drd1-cre)120Mxu/Mmjax

RRID:MMRRC_037156-JAX
Type: Organism

Proper Citation

RRID:MMRRC_037156-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37156

Proper Citation: RRID:MMRRC_037156-JAX

Description: Mus musculus with name B6;129-Tg(Drd1-cre)120Mxu/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Transgenic ; Collection:

Affected Gene: Drd1cre

Catalog Number: 037156-JAX

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_37156-JAX, MMRRC_037156, MMRRC_37156

Organism Name: B6;129-Tg(Drd1-cre)120Mxu/Mmjax

Record Creation Time: 20230308T055150+0000

Record Last Update: 20260905T110928+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Tg(Drd1-cre)120Mxu/Mmjax.

No alerts have been found for B6;129-Tg(Drd1-cre)120Mxu/Mmjax.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Siemonsmeier G, et al. (2026) Nucleus accumbens medial shell D1 and D2 medium spiny neurons signal the valence of conditioned stimuli in a sex-dependent manner. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology.

Zhang Z, et al. (2026) Inherited input and local transformations shape the spatiotemporal organization of pathway specific striatal signals for motivated behavior. bioRxiv : the preprint server for biology.

Montemarano A, et al. (2025) A Drd1-cre mouse line with nucleus accumbens gene dysregulation exhibits blunted fentanyl seeking. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 50(13), 1993.

Roshgadol JI, et al. (2025) Sensitive dLight3 for imaging broad-spectrum dopamine events across brain regions. Research square.

Hunker AC, et al. (2025) Enhancer AAV toolbox for accessing and perturbing striatal cell types and circuits. Neuron, 113(10), 1507.

Kim HD, et al. (2024) SIRT1 Coordinates Transcriptional Regulation of Neural Activity and Modulates Depression-Like Behaviors in the Nucleus Accumbens. Biological psychiatry, 96(6), 495.

Vu MT, et al. (2024) Targeted micro-fiber arrays for measuring and manipulating localized multi-scale neural dynamics over large, deep brain volumes during behavior. Neuron, 112(6), 909.

Assali A, et al. (2024) EphB1 controls long-range cortical axon guidance through a cell non-autonomous role in GABAergic cells. Development (Cambridge, England), 151(5).

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

Yun S, et al. (2023) Antipsychotic drug efficacy correlates with the modulation of D1 rather than D2 receptor-expressing striatal projection neurons. Nature neuroscience, 26(8), 1417.

Boxer EE, et al. (2023) Ventral Subiculum Inputs to Nucleus Accumbens Medial Shell Preferentially Innervate D2R Medium Spiny Neurons and Contain Calcium Permeable AMPARs. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(7), 1166.

Tzanoulinou S, et al. (2022) Inhibition of Trpv4 rescues circuit and social deficits unmasked by acute inflammatory response in a Shank3 mouse model of Autism. Molecular psychiatry, 27(4), 2080.

Han Y, et al. (2021) A hindbrain dopaminergic neural circuit prevents weight gain by reinforcing food satiation. Science advances, 7(22).

Smith ACW, et al. (2021) Opposing roles for striatonigral and striatopallidal neurons in dorsolateral striatum in consolidating new instrumental actions. Nature communications, 12(1), 5121.

Terem A, et al. (2020) Claustral Neurons Projecting to Frontal Cortex Mediate Contextual Association of Reward. Current biology : CB, 30(18), 3522.

Chase KA, et al. (2019) Examining the effects of the histone methyltransferase inhibitor BIX-01294 on histone modifications and gene expression in both a clinical population and mouse models. PloS one, 14(6), e0216463.