

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

B6.FVB(Cg)-Tg(Drd1-cre)FK150Gsat/Mmucd

RRID:MMRRC_036916-UCD

Type: Organism

Proper Citation

RRID:MMRRC_036916-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36916

Proper Citation: RRID:MMRRC_036916-UCD

Description: Mus musculus with name B6.FVB(Cg)-Tg(Drd1-cre)FK150Gsat/Mmucd from MMRRC.

Species: Mus musculus

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

Affected Gene: |cre|Drd1

Catalog Number: 036916-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_36916-UCD, MMRRC_036916, MMRRC_36916

Organism Name: B6.FVB(Cg)-Tg(Drd1-cre)FK150Gsat/Mmucd

Record Creation Time: 20230308T055148+0000

Record Last Update: 20260808T124122+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB(Cg)-Tg(Drd1-cre)FK150Gsat/Mmucd.

No alerts have been found for B6.FVB(Cg)-Tg(Drd1-cre)FK150Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Gjoni E, et al. (2026) Complementary cortical and thalamic contributions to cell type-specific striatal activity dynamics during movement. *Science advances*, 12(5), eaea3935.

Saha S, et al. (2026) Nicotinamide Riboside Enhances Mitochondrial Bioenergetics and Dopaminergic Signaling Independent of Neuron Survival in a Double-Hit Parkinson's Model. *Research square*.

Shah NR, et al. (2026) Proteomic Characterization of Striatal Neurabin Interactome and Its Sex Specific Impact on Motor Behavior. *ACS chemical neuroscience*, 17(4), 752.

Gjoni E, et al. (2025) Complementary cortical and thalamic contributions to cell-type-specific striatal activity dynamics during movement. *bioRxiv : the preprint server for biology*.

Lopez GC, et al. (2025) Region-specific nucleus accumbens dopamine signals encode distinct aspects of avoidance learning. *Current biology : CB*, 35(10), 2433.

Claeboe ET, et al. (2025) Proximity interactome mapping furthers a role for spinophilin in protein homeostasis. *iScience*, 28(11), 113735.

Shah NR, et al. (2025) Proteomic Characterization of Striatal Neurabin Interactome and its Sex Specific Impact on Motor Behavior. *bioRxiv : the preprint server for biology*.

Morris CW, et al. (2023) Spinophilin Limits Metabotropic Glutamate Receptor 5 Scaffolding to the Postsynaptic Density and Cell Type Specifically Mediates Excessive Grooming. *Biological psychiatry*, 93(11), 976.

Liang B, et al. (2022) Striatal direct pathway neurons play leading roles in accelerating rotarod motor skill learning. *iScience*, 25(5), 104245.

Nardoci MB, et al. (2022) Sound-Evoked Responses of Distinct Neuron Classes from the Tail of the Striatum. *eNeuro*, 9(5).

Zhou J, et al. (2022) Spectrally Resolved Fiber Photometry for In Vivo Multi-Color Fluorescence Measurements. *Current protocols*, 2(11), e587.

Wu M, et al. (2021) Attenuated dopamine signaling after aversive learning is restored by ketamine to rescue escape actions. *eLife*, 10.

Hu F, et al. (2021) ¹⁸F-labeled radiotracers for in vivo imaging of DREADD with positron emission tomography. *European journal of medicinal chemistry*, 213, 113047.

Sun F, et al. (2020) Next-generation GRAB sensors for monitoring dopaminergic activity in vivo. *Nature methods*, 17(11), 1156.

Yang Y, et al. (2019) A Two-Step GRIN Lens Coating for In Vivo Brain Imaging. *Neuroscience bulletin*, 35(3), 419.

Bonaventura J, et al. (2019) High-potency ligands for DREADD imaging and activation in rodents and monkeys. *Nature communications*, 10(1), 4627.

Meng C, et al. (2018) Spectrally Resolved Fiber Photometry for Multi-component Analysis of Brain Circuits. *Neuron*, 98(4), 707.

Vander Weele CM, et al. (2018) Dopamine enhances signal-to-noise ratio in cortical-brainstem encoding of aversive stimuli. *Nature*, 563(7731), 397.

Chandra R, et al. (2017) Reduced Slc6a15 in Nucleus Accumbens D2-Neurons Underlies Stress Susceptibility. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(27), 6527.

Barbera G, et al. (2016) Spatially Compact Neural Clusters in the Dorsal Striatum Encode Locomotion Relevant Information. *Neuron*, 92(1), 202.