

Resource Summary Report

Generated by [Kravitz](#) on Sep 17, 2026

B6;FVB-Tg(Drd2-EGFP/Rpl10a)CP101Htz/J

RRID:IMSR_JAX:030255

Type: Organism

Proper Citation

RRID:IMSR_JAX:030255

Organism Information

URL: <https://www.jax.org/strain/030255>

Proper Citation: RRID:IMSR_JAX:030255

Description: Mus musculus with name B6;FVB-Tg(Drd2-EGFP/Rpl10a)CP101Htz/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |ribosomal protein L10A|transgene insertion CP101; Nathaniel Heintz|dopamine receptor D2; mutant stock: |Rpl10a|Tg(Drd2-EGFP/Rpl10a)CP101Htz|Drd2

Affected Gene: |ribosomal protein L10A|transgene insertion CP101; Nathaniel Heintz|dopamine receptor D2

Genomic Alteration: transgene insertion CP101; Nathaniel Heintz

Catalog Number: JAX:030255

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;FVB-Tg(Drd2-EGFP/Rpl10a)CP101Htz/J

Record Creation Time: 20250513T053813+0000

Record Last Update: 20260912T060551+0000

Ratings and Alerts

No rating or validation information has been found for B6;FVB-Tg(Drd2-EGFP/Rpl10a)CP101Htz/J.

No alerts have been found for B6;FVB-Tg(Drd2-EGFP/Rpl10a)CP101Htz/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Roman KM, et al. (2025) Striatal cell-type-specific molecular signatures reveal potential therapeutic targets in a model of dystonia. *Neurobiology of disease*, 212, 106981.

Liu W, et al. (2023) PQBP1 regulates striatum development through balancing striatal progenitor proliferation and differentiation. *Cell reports*, 42(3), 112277.

Matityahu L, et al. (2022) A tonic nicotinic brake controls spike timing in striatal spiny projection neurons. *eLife*, 11.

Kang S, et al. (2020) Activation of Astrocytes in the Dorsomedial Striatum Facilitates Transition From Habitual to Goal-Directed Reward-Seeking Behavior. *Biological psychiatry*, 88(10), 797.

Lee H, et al. (2020) Cell Type-Specific Transcriptomics Reveals that Mutant Huntingtin Leads to Mitochondrial RNA Release and Neuronal Innate Immune Activation. *Neuron*, 107(5), 891.

Tanimura A, et al. (2019) Cholinergic Interneurons Amplify Thalamostriatal Excitation of Striatal Indirect Pathway Neurons in Parkinson's Disease Models. *Neuron*, 101(3), 444.

Hong SI, et al. (2019) Indirect Medium Spiny Neurons in the Dorsomedial Striatum Regulate Ethanol-Containing Conditioned Reward Seeking. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(36), 7206.