

Resource Summary Report

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B6.FVB(Cg)-Tg(Tlx3-cre)PL56Gsat/Mmucd

RRID:MMRRC_041158-UCD

Type: Organism

Proper Citation

RRID:MMRRC_041158-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=41158

Proper Citation: RRID:MMRRC_041158-UCD

Description: Mus musculus with name B6.FVB(Cg)-Tg(Tlx3-cre)PL56Gsat/Mmucd from MMRRC.

Species: Mus musculus

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

Affected Gene: |Tlx3|cre

Catalog Number: 041158-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](https://pubmed.ncbi.nlm.nih.gov/14586460/)

Alternate IDs: MMRRC_41158-UCD, MMRRC_041158, MMRRC_41158

Organism Name: B6.FVB(Cg)-Tg(Tlx3-cre)PL56Gsat/Mmucd

Record Creation Time: 20230308T055216+0000

Record Last Update: 20240105T003235+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB(Cg)-Tg(Tlx3-cre)PL56Gsat/Mmucd.

No alerts have been found for B6.FVB(Cg)-Tg(Tlx3-cre)PL56Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Heindorf M, et al. (2024) Antipsychotic drugs selectively decorrelate long-range interactions in deep cortical layers. *eLife*, 12.

Xiao S, et al. (2024) Probing multiplexed basal dendritic computations using two-photon 3D holographic uncaging. *Cell reports*, 43(7), 114413.

Liu Y, et al. (2024) Cell class-specific long-range axonal projections of neurons in mouse whisker-related somatosensory cortices. *eLife*, 13.

Krall RF, et al. (2024) Primary auditory cortex is necessary for the acquisition and expression of categorical behavior. *bioRxiv : the preprint server for biology*.

Atudorei M, et al. (2024) Bilateral chemogenetic activation of intratelencephalic neurons in motor cortex reduces spontaneous locomotor activity in mice. *Neurobiology of disease*, 204, 106755.

Majumder S, et al. (2023) Cell-type-specific plasticity shapes neocortical dynamics for motor learning. *bioRxiv : the preprint server for biology*.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. *Cell reports*, 42(2), 112118.

Shinotsuka T, et al. (2023) Layer 5 Intratelencephalic Neurons in the Motor Cortex Stably Encode Skilled Movement. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(43), 7130.

Ledderose JMT, et al. (2023) Layer 1 of somatosensory cortex: an important site for input to a tiny cortical compartment. *Cerebral cortex* (New York, N.Y. : 1991), 33(23), 11354.

Tran-Van-Minh A, et al. (2023) Quantitative analysis of rabies virus-based synaptic connectivity tracing. *PloS one*, 18(3), e0278053.

Bharioke A, et al. (2022) General anesthesia globally synchronizes activity selectively in layer 5 cortical pyramidal neurons. *Neuron*, 110(12), 2024.

Onodera K, et al. (2022) Translaminar recurrence from layer 5 suppresses superficial cortical layers. *Nature communications*, 13(1), 2585.

Park J, et al. (2022) Motor cortical output for skilled forelimb movement is selectively distributed across projection neuron classes. *Science advances*, 8(10), eabj5167.

Sun Y, et al. (2022) Single-cell transcriptomic landscapes of the otic neuronal lineage at multiple early embryonic ages. *Cell reports*, 38(12), 110542.

Hage TA, et al. (2022) Synaptic connectivity to L2/3 of primary visual cortex measured by two-photon optogenetic stimulation. *eLife*, 11.

Lee BR, et al. (2021) Scaled, high fidelity electrophysiological, morphological, and transcriptomic cell characterization. *eLife*, 10.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. *Cell*, 184(12), 3222.

Yamawaki N, et al. (2021) Circuit organization of the excitatory sensorimotor loop through hand/forelimb S1 and M1. *eLife*, 10.

Takahashi N, et al. (2020) Active dendritic currents gate descending cortical outputs in perception. *Nature neuroscience*, 23(10), 1277.

Gouwens NW, et al. (2020) Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. *Cell*, 183(4), 935.