

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

B6.129-Grm5^{tm1.1Jixu/J}

RRID:IMSR_JAX:028626

Type: Organism

Proper Citation

RRID:IMSR_JAX:028626

Organism Information

URL: <https://www.jax.org/strain/028626>

Proper Citation: RRID:IMSR_JAX:028626

Description: Mus musculus with name B6.129-Grm5^{tm1.1Jixu/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: glutamate receptor; metabotropic 5; mutant strain|congenic strain: Grm5

Affected Gene: glutamate receptor; metabotropic 5

Genomic Alteration: targeted mutation 1.1; Jian Xu

Catalog Number: JAX:028626

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Grm5^{tm1.1Jixu/J}

Record Creation Time: 20250513T053805+0000

Record Last Update: 20260919T054950+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Grm5^{tm1.1Jixu/J}.

No alerts have been found for B6.129-Grm5^{tm1.1Jixu/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Marshall JJ, et al. (2026) Synaptic mechanisms modulate the spatiotemporal dynamics of striatal direct pathway neurons and motor output. eLife, 13.

Lao-Peregrin C, et al. (2024) Synaptic plasticity via receptor tyrosine kinase/G-protein-coupled receptor crosstalk. Cell reports, 43(1), 113595.

Kasten CR, et al. (2021) BNST specific mGlu5 receptor knockdown regulates sex-dependent expression of negative affect produced by adolescent ethanol exposure and adult stress. Translational psychiatry, 11(1), 178.

Kellner V, et al. (2021) Dual metabotropic glutamate receptor signaling enables coordination of astrocyte and neuron activity in developing sensory domains. Neuron, 109(16), 2545.

Tang ZQ, et al. (2018) Anatomy and Physiology of Metabotropic Glutamate Receptors in Mammalian and Avian Auditory System. HSOA trends in anatomy and physiology, 1.