

Resource Summary Report

Generated by SPARC SAWG on Jul 29, 2026

B6.FVB-Tg(Ella-cre)C5379Lmgd/J

RRID:IMSR_JAX:003724

Type: Organism

Proper Citation

RRID:IMSR_JAX:003724

Organism Information

URL: <https://www.jax.org/strain/003724>

Proper Citation: RRID:IMSR_JAX:003724

Description: Mus musculus with name B6.FVB-Tg(Ella-cre)C5379Lmgd/J from IMSR.

Species: Mus musculus

Synonyms: B6.FVB-TgN(Ella-Cre)C5379Lmgd

Notes: gene symbol note: transgene insertion C5379; Laboratory of Mammalian Genes and Development; Heiner Westphal||adenovirus; mutant strain|congenic strain: Tg(Ella-cre)C5379Lmgd||Ella

Affected Gene: transgene insertion C5379; Laboratory of Mammalian Genes and Development; Heiner Westphal||adenovirus

Genomic Alteration: transgene insertion C5379; Laboratory of Mammalian Genes and Development; Heiner Westphal

Catalog Number: JAX:003724

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.FVB-Tg(Ella-cre)C5379Lmgd/J

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260725T044350+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB-Tg(Ella-cre)C5379Lmgd/J.

No alerts have been found for B6.FVB-Tg(Ella-cre)C5379Lmgd/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 128 mentions in open access literature.

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

Wang Y, et al. (2025) An animal model of NLRC4-associated autoinflammation and infantile enterocolitis reveals novel therapeutic strategies. Cellular & molecular immunology, 22(12), 1567.

Ruan E, et al. (2025) Mutant THAP11 causes cerebellar neurodegeneration and triggers TREM2-mediated microglial activation in mice. The Journal of clinical investigation, 135(14).

Thorvaldsen JL, et al. (2025) Igf2 adult-specific skeletal muscle enhancer activity revealed in mice with intergenic CTCF boundary deletion. PLoS genetics, 21(8), e1011834.

Thompson AD, et al. (2025) 5-Hydroxytryptamine 1F receptor loss reduces renal vasculature and prevents lasmiditan-induced recovery following moderate-severe acute kidney injury in mice. American journal of physiology. Renal physiology, 329(6), F834.

Hu K, et al. (2025) Development and Application of MiMouse, a Comprehensive Genomic Profiling Panel for Credentialing Mouse Tumor Models. Cancer research communications, 5(10), 1910.

Magaña I, et al. (2025) A Novel Cell-Type Specific Circadian Reporter Mouse Reveals Self-Sustained Food Entrainable Nature in Enteric Neurons. bioRxiv : the preprint server for biology.

Chakraborty S, et al. (2025) Deletion of a single CTCF motif at the boundary of a chromatin domain with three FGF genes disrupts gene expression and embryonic development. Developmental cell, 60(13), 1838.

Fregoso SP, et al. (2025) Loss of miR-9-2 Causes Cerebral Hemorrhage and Hydrocephalus by Widespread Disruption of Cell-Type-Specific Neurodevelopmental Gene Networks. bioRxiv : the preprint server for biology.

Aoto M, et al. (2025) The splicing factor Acin1 is essential for embryonic development but has limited effects on muscle structure and homeostasis. Scientific reports, 15(1), 14017.

Qin Y, et al. (2025) Reduced mesencephalic astrocyte-derived neurotrophic factor expression by mutant androgen receptor contributes to neurodegeneration in a model of spinal and bulbar muscular atrophy pathology. *Neural regeneration research*, 20(9), 2655.

Saleiro D, et al. (2025) Loss of Function Mouse Models Reveal a Novel Regulatory Function for ULK1 in Myeloproliferative Neoplasms. *Molecular and cellular biology*, 45(9), 395.

Datar GK, et al. (2025) Disparate leukemia mutations converge on nuclear phase-separated condensates. *Cell*, 188(25), 7118.

Kaur G, et al. (2025) NADPH oxidase 1-PKC α -dependent ZO-1 phosphorylation mediates IL-33-induced inner blood-retinal barrier disruption in proliferative retinopathies. *American journal of physiology. Cell physiology*, 329(5), C1577.

Hastings RL, et al. (2025) Loss of COL20A1 in Schwann Cells Alters Regeneration of the Neuromuscular Junction and Locomotor Activity in Mice. *Journal of molecular neuroscience : MN*, 75(3), 113.

Das P, et al. (2025) The interplay between FOXO1 and glucocorticoid signaling in promoting the terminal differentiation of somatotropes. *Molecular and cellular endocrinology*, 606, 112573.

Zhang P, et al. (2024) X chromosome dosage drives statin-induced dysglycemia and mitochondrial dysfunction. *Nature communications*, 15(1), 5571.

Cao X, et al. (2024) Entry of ZSWIM4 to the nucleus is crucial for its inhibition of KIT and BMAL1 in gastrointestinal stromal tumors. *Cell & bioscience*, 14(1), 87.

He J, et al. (2024) Hspb1 protects against severe acute pancreatitis by attenuating apoptosis and ferroptosis via interacting with Anxa2 to restore the antioxidative activity of Prdx1. *International journal of biological sciences*, 20(5), 1707.

Lim EW, et al. (2024) Serine and glycine physiology reversibly modulate retinal and peripheral nerve function. *Cell metabolism*, 36(10), 2315.

Mohrmann L, et al. (2024) Distinct Alterations in Dendritic Spine Morphology in the Absence of α -Neurexins. *International journal of molecular sciences*, 25(2).