

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

LP/J

RRID:IMSR_JAX:000676

Type: Organism

Proper Citation

RRID:IMSR_JAX:000676

Organism Information

URL: <https://www.jax.org/strain/000676>

Proper Citation: RRID:IMSR_JAX:000676

Description: Mus musculus with name LP/J from IMSR.

Species: Mus musculus

Synonyms: LP. line 11 pied

Notes: gene symbol note: endothelin receptor type B|cadherin related 23 (otocadherin)|MX dynamin-like GTPase 1|cytochrome c oxidase subunit 7A2 like|hemoglobin beta chain complex|beta-2 microglobulin|disrupted in schizophrenia 1|aryl-hydrocarbon receptor; inbred strain: Ednrb|Cdh23|Mx1|Cox7a2|Hbb|B2m|Disc1|Ahr

Affected Gene: endothelin receptor type B|cadherin related 23 (otocadherin)|MX dynamin-like GTPase 1|cytochrome c oxidase subunit 7A2 like|hemoglobin beta chain complex|beta-2 microglobulin|disrupted in schizophrenia 1|aryl-hydrocarbon receptor

Genomic Alteration: piebald|age related hearing loss 1|myxovirus susceptibility 1|long|d|a variant|deletion|d variant

Catalog Number: JAX:000676

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: LP/J

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260808T050822+0000

Ratings and Alerts

No rating or validation information has been found for LP/J.

No alerts have been found for LP/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Ren W, et al. (2025) A tandem repeat atlas for the genome of inbred mouse strains: A genetic variation resource. *iScience*, 28(11), 113703.

Dur??n A, et al. (2023) A Mouse Systems Genetics Approach Reveals Common and Uncommon Genetic Modifiers of Hepatic Lysosomal Enzyme Activities and Glycosphingolipids. *International journal of molecular sciences*, 24(5).

Oestereicher MA, et al. (2023) Comprehensive ECG reference intervals in C57BL/6N substrains provide a generalizable guide for cardiac electrophysiology studies in mice. *Mammalian genome : official journal of the International Mammalian Genome Society*, 34(2), 180.

Khan AH, et al. (2023) Genetic pathways regulating the longitudinal acquisition of cocaine self-administration in a panel of inbred and recombinant inbred mice. *Cell reports*, 42(8), 112856.

Sottoriva K, et al. (2022) A Notch/IL-21 signaling axis primes bone marrow T cell progenitor expansion. *JCI insight*, 7(9).

Zhou W, et al. (2022) DNA methylation dynamics and dysregulation delineated by high-throughput profiling in the mouse. *Cell genomics*, 2(7).

Shi LJ, et al. (2022) Genetic Connection between Hyperglycemia and Carotid Atherosclerosis in Hyperlipidemic Mice. *Genes*, 13(3).

Shi LJ, et al. (2022) Genetic Evidence for a Causal Relationship between Hyperlipidemia and Type 2 Diabetes in Mice. *International journal of molecular sciences*, 23(11).

Molendijk J, et al. (2022) Proteome-wide systems genetics identifies UFMylation as a regulator of skeletal muscle function. *eLife*, 11.

Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. *Cell reports*, 38(2), 110231.

Munz M, et al. (2021) In silico candidate variant and gene identification using inbred mouse strains. *PeerJ*, 9, e11017.

Seemiller LR, et al. (2021) Genetic background determines behavioral responses during fear conditioning. *Neurobiology of learning and memory*, 184, 107501.

Mooney-Leber SM, et al. (2021) Genetic Differences in Dorsal Hippocampus Acetylcholinesterase Activity Predict Contextual Fear Learning Across Inbred Mouse Strains. *Frontiers in psychiatry*, 12, 737897.

Ren M, et al. (2020) Transcription factor p73 regulates Th1 differentiation. *Nature communications*, 11(1), 1475.

Strattan E, et al. (2019) Mast Cells Are Mediators of Fibrosis and Effector Cell Recruitment in Dermal Chronic Graft-vs.-Host Disease. *Frontiers in immunology*, 10, 2470.

Zhou Y, et al. (2019) Integrative system genetic analysis reveals mRNA-lncRNA network associated with mouse spontaneous lung cancer susceptibility. *Oncotarget*, 10(3), 339.

Yang C, et al. (2019) Genome-wide association study using diversity outcross mice identified candidate genes of pancreatic cancer. *Genomics*, 111(6), 1882.

Huang Q, et al. (2019) Delivering genes across the blood-brain barrier: LY6A, a novel cellular receptor for AAV-PHP.B capsids. *PloS one*, 14(11), e0225206.

Zimmerman H, et al. (2019) Interfrontal Bone Among Inbred Strains of Mice and QTL Mapping. *Frontiers in genetics*, 10, 291.

Yu T, et al. (2019) The piRNA Response to Retroviral Invasion of the Koala Genome. *Cell*, 179(3), 632.