

Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 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: hemoglobin beta chain complex|endothelin receptor type B|cytochrome c oxidase subunit 7A2 like|disrupted in schizophrenia 1|MX dynamin-like GTPase 1|beta-2 microglobulin|aryl-hydrocarbon receptor|cadherin related 23 (otocadherin); inbred strain: Hbb|Ednrb|Cox7a2|Disc1|Mx1|B2m|Ahr|Cdh23

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

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

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: 20260919T054809+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 [kravitz2](#) .

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.

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

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

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.