

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

[WSB/EiJ](#)

RRID:IMSR_JAX:001145

Type: Organism

Proper Citation

RRID:IMSR_JAX:001145

Organism Information

URL: <https://www.jax.org/strain/001145>

Proper Citation: RRID:IMSR_JAX:001145

Description: Mus musculus with name WSB/EiJ from IMSR.

Species: Mus musculus

Synonyms: WSB/Ei. Watkin Star line B

Notes: gene symbol note: kit ligand|cytochrome c oxidase subunit 7A2 like|nonagouti;
wild-derived inbred strain|inbred strain: Kitl|Cox7a2|a

Affected Gene: kit ligand|cytochrome c oxidase subunit 7A2 like|nonagouti

Genomic Alteration: blaze|long|wild-type agouti

Catalog Number: JAX:001145

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: WSB/EiJ

Record Creation Time: 20250513T053624+0000

Record Last Update: 20260725T044332+0000

Ratings and Alerts

No rating or validation information has been found for WSB/EiJ.

No alerts have been found for WSB/EiJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 71 mentions in open access literature.

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

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

Murray KE, et al. (2025) Sex and Genotype Affect Mouse Hippocampal Gene Expression in Response to Blast-Induced Traumatic Brain Injury. *Molecular neurobiology*, 62(8), 9980.

Oliveira TY, et al. (2024) Quantitative trait loci mapping provides insights into the genetic regulation of dendritic cell numbers in mouse tissues. *Cell reports*, 43(6), 114296.

Chen PB, et al. (2024) Complementation testing identifies genes mediating effects at quantitative trait loci underlying fear-related behavior. *Cell genomics*, 4(5), 100545.

Clark FE, et al. (2024) An egg-sabotaging mechanism drives non-Mendelian transmission in mice. *Current biology : CB*, 34(17), 3845.

Stratton JA, et al. (2023) Genetics of behavioural evolution in giant mice from Gough Island. *Proceedings. Biological sciences*, 290(1998), 20222603.

Ferraj A, et al. (2023) Resolution of structural variation in diverse mouse genomes reveals chromatin remodeling due to transposable elements. *Cell genomics*, 3(5), 100291.

Yu Q, et al. (2023) Sample multiplexing-based targeted pathway proteomics with real-time analytics reveals the impact of genetic variation on protein expression. *Nature communications*, 14(1), 555.

Poirion OB, et al. (2023) Enhlink infers distal and context-specific enhancer-promoter linkages. *bioRxiv : the preprint server for biology*.

Oestereich 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.

Edwards CA, et al. (2023) Reassessment of weak parent-of-origin expression bias shows it rarely exists outside of known imprinted regions. *eLife*, 12.

Migotsky N, et al. (2023) Multi-Scale Cortical Bone Traits Vary in Two Mouse Models of Genetic Diversity. *bioRxiv : the preprint server for biology*.

Emfinger CH, et al. (2023) Novel regulators of islet function identified from genetic variation in mouse islet Ca²⁺ oscillations. *eLife*, 12.

Chamas L, et al. (2022) A Fine Regulation of the Hippocampal Thyroid Signalling Protects Hypothyroid Mice against Glial Cell Activation. *International journal of molecular sciences*, 23(19).

Schoenrock SA, et al. (2022) The collaborative cross strains and their founders vary widely in cocaine-induced behavioral sensitization. *Frontiers in behavioral neuroscience*, 16, 886524.

Murdy TJ, et al. (2022) Leveraging genetic diversity in mice to inform individual differences in brain microstructure and memory. *Frontiers in behavioral neuroscience*, 16, 1033975.

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

Bachmann AM, et al. (2022) Genetic background and sex control the outcome of high-fat diet feeding in mice. *iScience*, 25(6), 104468.

Kim SM, et al. (2021) High-throughput measurement of fibroblast rhythms reveals genetic heritability of circadian phenotypes in diversity outbred mice and their founder strains. *Scientific reports*, 11(1), 2573.

Kamiya T, et al. (2021) Linking functional and molecular mechanisms of host resilience to malaria infection. *eLife*, 10.