

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

[PWK/PhJ](#)

RRID:IMSR_JAX:003715

Type: Organism

Proper Citation

RRID:IMSR_JAX:003715

Organism Information

URL: <https://www.jax.org/strain/003715>

Proper Citation: RRID:IMSR_JAX:003715

Description: Mus musculus with name PWK/PhJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: mucin 4|cytochrome c oxidase subunit 7A2 like; wild-derived inbred strain|inbred strain: Muc4|Cox7a2l

Affected Gene: mucin 4|cytochrome c oxidase subunit 7A2 like

Genomic Alteration: PWK/PhJ|long

Catalog Number: JAX:003715

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: PWK/PhJ

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260801T050343+0000

Ratings and Alerts

No rating or validation information has been found for PWK/PhJ.

No alerts have been found for PWK/PhJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

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.

Li ZK, et al. (2025) Adult bi-paternal offspring generated through direct modification of imprinted genes in mammals. *Cell stem cell*, 32(3), 361.

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.

Gao R, et al. (2024) Defining a TFAP2C-centered transcription factor network during murine peri-implantation. *Developmental cell*, 59(9), 1146.

Wang L, et al. (2024) Chromatin landscape instructs precise transcription factor regulome during embryonic lineage specification. *Cell reports*, 43(5), 114136.

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

Jacob JB, et al. (2023) Identification of actionable targets for breast cancer intervention using a diversity outbred mouse model. *iScience*, 26(4), 106320.

Welsh IC, et al. (2023) Palatal segment contributions to midfacial growth in three inbred mouse strains. *bioRxiv : the preprint server for biology*.

Arora UP, et al. (2023) Variation in the CENP-A sequence association landscape across diverse inbred mouse strains. *Cell reports*, 42(10), 113178.

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

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.

Keele GR, et al. (2021) Regulation of protein abundance in genetically diverse mouse populations. *Cell genomics*, 1(1).

Yang G, et al. (2021) Dux-Mediated Corrections of Aberrant H3K9ac during 2-Cell Genome Activation Optimize Efficiency of Somatic Cell Nuclear Transfer. *Cell stem cell*, 28(1), 150.

Shi W, et al. (2021) Cardiac proteomics reveals sex chromosome-dependent differences between males and females that arise prior to gonad formation. *Developmental cell*, 56(21), 3019.

Wang LY, et al. (2020) Overcoming Intrinsic H3K27me3 Imprinting Barriers Improves Post-implantation Development after Somatic Cell Nuclear Transfer. *Cell stem cell*, 27(2), 315.

Du Z, et al. (2020) Polycomb Group Proteins Regulate Chromatin Architecture in Mouse Oocytes and Early Embryos. *Molecular cell*, 77(4), 825.

Onos KD, et al. (2019) Enhancing face validity of mouse models of Alzheimer's disease with natural genetic variation. *PLoS genetics*, 15(5), e1008155.

Bumgardner SA, et al. (2018) Genetic influence on splenic natural killer cell frequencies and maturation among aged mice. *Experimental gerontology*, 104, 9.