

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

## [Prdm9<sup>tm1Ymat</sup>/Prdm9<sup>tm1Ymat</sup>](#)

RRID:MGI:3624989

Type: Organism

### Proper Citation

RRID:MGI:3624989

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3624989

**Description:** Allele Detail: Targeted This is a legacy resource.

**Species:** Mus musculus

**Notes:** Allele Detail: Targeted This is a legacy resource.

**Phenotype:** abnormal ovarian folliculogenesis, decreased oocyte number, arrest of male meiosis, azoospermia, abnormal female meiosis, abnormal gametogenesis, decreased testis weight, female infertility, abnormal double-strand DNA break repair, abnormal chromosomal synapsis, male infertility

**Affected Gene:** Prdm9

**Genomic Alteration:** tm1Ymat

**Catalog Number:** 3624989

**Background:** involves: 129P2/OlaHsd \* C57BL/6

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:16292313](#)

**Organism Name:** Prdm9<sup>tm1Ymat</sup>/Prdm9<sup>tm1Ymat</sup>

**Record Creation Time:** 20240120T190557+0000

**Record Last Update:** 20240130T202003+0000

---

## Ratings and Alerts

No rating or validation information has been found for Prdm9<sup>tm1Ymat</sup>/Prdm9<sup>tm1Ymat</sup>.

No alerts have been found for Prdm9<sup>tm1Ymat</sup>/Prdm9<sup>tm1Ymat</sup>.

---

## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

---

## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Imai Y, et al. (2020) PRDM9 activity depends on HELLS and promotes local 5-hydroxymethylcytosine enrichment. eLife, 9.

Wells D, et al. (2020) ZCWPW1 is recruited to recombination hotspots by PRDM9 and is essential for meiotic double strand break repair. eLife, 9.

Diagouraga B, et al. (2018) PRDM9 Methyltransferase Activity Is Essential for Meiotic DNA Double-Strand Break Formation at Its Binding Sites. Molecular cell, 69(5), 853.