

# Resource Summary Report

Generated by [dkNET](#) on Sep 12, 2026

## C57BL/6N-Atm1Brd Majintm1a(KOMP)Mbp/MbpMmucd

RRID:MMRRC\_048518-UCD

Type: Organism

### Proper Citation

RRID:MMRRC\_048518-UCD

### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=48518](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=48518)

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**Description:** Mus musculus with name C57BL/6N-Atm1Brd Majintm1a(KOMP)Mbp/MbpMmucd from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

**Phenotype:** increased brown adipose tissue amount [MP:0000005]| diluted coat color [MP:0000371]| irregular coat pigmentation [MP:0000372]| mottled coat [MP:0000421]| increased body length [MP:0001257]| obese [MP:0001261]| abnormal eye pigmentation [MP:0001324]| hyperactivity [MP:0001399]| hypoactivity [MP:0001402]| polyphagia [MP:0001433]| abnormal coat appearance [MP:0001510]| abnormal coat/hair pigmentation [MP:0002075]| abnormal skin pigmentation [MP:0002095]| increased liver weight [MP:0002981]| yellow coat color [MP:0003136]| decreased eye pigmentation [MP:0005172]| abnormal tail pigmentation [MP:0005174]| darkened coat color [MP:0005409]| increased susceptibility to weight gain [MP:0005455]| increased percent body fat/body weight [MP:0005458]| increased circulating leptin level [MP:0005669]| abnormal hair follicle pheomelanosome pheomelanin content [MP:0006370]| abnormal ventral coat pigmentation [MP:0008237]| abnormal dorsoventral coat patterning [MP:0008238]| increased gonadal fat pad weight [MP:0009285]| increased inguinal fat pad weight [MP:0009292]| increased retroperitoneal fat pad weight [MP:0009304]| decreased tail pigmentation [MP:0011277]| decreased ear pigmentation [MP:0011279]| variegated eye pigmentation pattern [MP:0011551]| increased food intake [MP:0011939]

**Affected Gene:** |Majin|

**Catalog Number:** 048518-UCD

**Background:** Targeted Mutation

**Database:** Mutant Mouse Resource and Research Center (MMRRC)

**Database Abbreviation:** MMRRC

**Source References:** [PMID:21677750](#)

**Alternate IDs:** MMRRC\_48518-UCD, MMRRC\_048518, MMRRC\_48518

**Organism Name:** C57BL/6N-*Atm1Brd Majintm1a(KOMP)Mbp/MbpMmucd*

**Record Creation Time:** 20230308T055258+0000

**Record Last Update:** 20260912T135127+0000

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## Ratings and Alerts

No rating or validation information has been found for C57BL/6N-*Atm1Brd Majintm1a(KOMP)Mbp/MbpMmucd*.

No alerts have been found for C57BL/6N-*Atm1Brd Majintm1a(KOMP)Mbp/MbpMmucd*.

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## Data and Source Information

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

**Source Database:** Mutant Mouse Resource and Research Center (MMRRC)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Rezaei M, et al. (2024) Defects in meiosis I contribute to the genesis of androgenetic hydatidiform moles. The Journal of clinical investigation, 134(22).