

# Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

[Lep<sup>ob</sup>/Lep<sup>ob</sup>](#)

RRID:MGI:3623749

Type: Organism

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## Proper Citation

RRID:MGI:3623749

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## Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3623749

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

**Species:** *Mus musculus*

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

**Phenotype:** abnormal skeletal muscle fiber type ratio, impaired glucose tolerance, increased growth rate, abnormal myocardial fiber morphology, increased circulating triglyceride level, insulin resistance, increased circulating insulin level, abnormal pancreatic beta cell physiology, enlarged myocardial fiber, abnormal circulating glucose level, increased circulating LDL cholesterol level, increased circulating HDL cholesterol level, abnormal circulating cholesterol level, decreased body temperature, increased food intake, increased circulating triglyceride level, decreased NK cell number, increased metastatic potential, hyperalgesia, increased interscapular fat pad weight, decreased insulin secretion, increased insulin secretion, female infertility, allodynia, increased body weight, hyperglycemia, heart left ventricle hypertrophy, abnormal myocardial fiber morphology, obese, polyphagia, abnormal epididymal fat pad morphology, abnormal food intake, increased circulating insulin level, abnormal pain threshold, hypoglycemia, abnormal muscle morphology, decreased skeletal muscle mass, decreased skeletal muscle fiber size, decreased circulating glucose level, abnormal sleep pattern, fragmentation of sleep/wake states, hypoactivity, abnormal frequency of paradoxical sleep, lung inflammation, decreased circulating glucose level, increased fat cell size, increased oxygen consumption, hyperglycemia, abnormal liver weight, abnormal bone marrow morphology, abnormal sympathetic nervous system physiology, abnormal oxygen consumption, abnormal protein level, abnormal body weight, decreased circulating glucose level, increased circulating insulin level, increased percent body fat/body weight, abnormal body weight, decreased food intake, hypoactivity, hyperglycemia, impaired glucose tolerance, decreased oxygen consumption, decreased white fat cell number,

abnormal oxygen consumption, abnormal myocardial fiber physiology, increased circulating VLDL cholesterol level, increased circulating cholesterol level, decreased cardiac muscle contractility, abnormal myocardial fiber morphology, decreased cardiac muscle contractility, abnormal urine homeostasis, abnormal urine catecholamine level, obese, hyperglycemia, enlarged pancreatic islets, increased circulating insulin level

**Affected Gene:** Lep

**Genomic Alteration:** ob

**Catalog Number:** 3623749

**Background:** B6.Cg-Lep/J

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

**Database Abbreviation:** MGI

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

**Source References:** [PMID:16373670](#), [PMID:16394172](#), [PMID:17068142](#), [PMID:19528970](#), [PMID:20634301](#), [PMID:16326714](#), [PMID:1382044](#), [PMID:8177042](#), [PMID:16469807](#), [PMID:7815168](#), [PMID:12885755](#), [PMID:4588246](#), [PMID:16998795](#), [PMID:19103808](#), [PMID:22958920](#), [PMID:17550780](#), [PMID:19620723](#), [PMID:7560100](#), [PMID:11078464](#), [PMID:7800681](#), [PMID:16293682](#), [PMID:16612592](#)

**Organism Name:** Lep<sup>ob</sup>/Lep<sup>ob</sup>

**Record Creation Time:** 20240120T190559+0000

**Record Last Update:** 20240130T202004+0000

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## Ratings and Alerts

No rating or validation information has been found for Lep<sup>ob</sup>/Lep<sup>ob</sup>.

No alerts have been found for Lep<sup>ob</sup>/Lep<sup>ob</sup>.

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## Data and Source Information

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

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.