

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 3, 2026

Del(MTmt-Tk-mt-Nd5)1Jiha

RRID:MGI:3776781

Type: Organism

Proper Citation

RRID:MGI:3776781

Organism Information

URL:

Proper Citation: RRID:MGI:3776781

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

Species: Mus musculus

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

Phenotype: asthenozoospermia, glomerulosclerosis, pale kidney, abnormal mitochondrial ATP synthesis coupled electron transport, dilated renal tubules, enlarged kidney, abnormal sperm midpiece morphology, oligozoospermia, myopathy, abnormal sperm nucleus morphology, absent sperm head, male infertility, kidney failure, impaired hearing, increased pancreatic beta cell number, abnormal mitochondrial ATP synthesis coupled electron transport, decreased circulating glucose level, increased circulating insulin level, increased insulin secretion, increased pancreatic alpha cell number, pancreatic islet hyperplasia, abnormal mitochondrial ATP synthesis coupled electron transport, decreased litter size, decreased body weight, deafness, arrest of male meiosis, teratozoospermia, lactic acidosis, heart block, decreased germ cell number, reduced male mating frequency, dilated mitochondria, abnormal mitochondrial crista morphology, abnormal mitochondrial ATP synthesis coupled electron transport, dilated proximal convoluted tubules, increased blood urea nitrogen level, premature death, dilated distal convoluted tubules, decreased body weight, abnormal mitochondrial ATP synthesis coupled electron transport, enlarged kidney, increased circulating lactate level, abnormal postnatal growth

Affected Gene: Del(MTmt-Tk-mt-Nd5)1Jiha

Genomic Alteration: Del(MTmt-Tk-mt-Nd5)1Jiha

Catalog Number: 3776781

Background: involves: C57BL/6J * CBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15953585](#), [PMID:16275929](#), [PMID:17005726](#),
[PMID:15382041](#), [PMID:11688994](#)

Organism Name: Del(MTmt-Tk-mt-Nd5)1Jiha

Record Creation Time: 20240120T190444+0000

Record Last Update: 20240130T201922+0000

Ratings and Alerts

No rating or validation information has been found for Del(MTmt-Tk-mt-Nd5)1Jiha.

No alerts have been found for Del(MTmt-Tk-mt-Nd5)1Jiha.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.