

Resource Summary Report

Generated by [ASWG](#) on Aug 23, 2026

[Nos2^{tm1Mrl}/Nos2^{tm1Mrl}](#)

RRID:MGI:3041147

Type: Organism

Proper Citation

RRID:MGI:3041147

Organism Information

URL:

Proper Citation: RRID:MGI:3041147

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

Species: Mus musculus

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

Phenotype: increased circulating creatinine level, abnormal circulating estradiol level, abnormal sensory capabilities/reflexes/nociception, neuron degeneration, abnormal digestion, abnormal thermal nociception, abnormal peripheral nervous system regeneration, abnormal response to tactile stimuli, allodynia, nervous system phenotype, decreased cerebral infarction size, abnormal circulating serum albumin level, abnormal blood homeostasis, abnormal cardiovascular system physiology, abnormal motor capabilities/coordination/movement, prolonged diestrus, increased food intake, increased body weight, increased length of allograft survival, abnormal cardiovascular system morphology, abnormal heart ventricle morphology, increased myocardial infarction size, abnormal adrenocorticotropin level, abnormal hormone level, decreased susceptibility to kidney reperfusion injury, increased circulating triglyceride level, decreased litter size, abnormal uterine artery morphology, abnormal uterus morphology, decreased adiponectin level, homeostasis/metabolism phenotype, atherosclerotic lesions, increased systemic arterial systolic blood pressure, increased circulating cholesterol level, improved glucose tolerance, increased insulin sensitivity, homeostasis/metabolism phenotype, decreased digestive secretion, increased systemic arterial blood pressure, increased renin activity, increased mean systemic arterial blood pressure, abnormal glucose homeostasis, increased growth rate, abnormal blood circulation, pancreas inflammation, liver fibrosis, abnormal circulating glucose level

Affected Gene: Nos2

Genomic Alteration: tm1Mrl

Catalog Number: 3041147

Background: involves: 129S7/SvEvBrd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12646421](#), [PMID:9989972](#), [PMID:16631135](#), [PMID:10919259](#), [PMID:9364062](#), [PMID:10484522](#), [PMID:12090918](#), [PMID:15821017](#), [PMID:18413498](#), [PMID:15567150](#), [PMID:11590438](#), [PMID:14747298](#), [PMID:11369002](#), [PMID:10377046](#), [PMID:11379816](#), [PMID:18719000](#)

Organism Name: Nos2^{tm1Mrl}/Nos2^{tm1Mrl}

Record Creation Time: 20240120T190703+0000

Record Last Update: 20240130T202041+0000

Ratings and Alerts

No rating or validation information has been found for Nos2^{tm1Mrl}/Nos2^{tm1Mrl}.

No alerts have been found for Nos2^{tm1Mrl}/Nos2^{tm1Mrl}.

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.