

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

129S1.129S6(Cg)-Ndufa1^{tm1.1Nay}/Mmjax

RRID:MMRRC_043941-JAX

Type: Organism

Proper Citation

RRID:MMRRC_043941-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=43941

Proper Citation: RRID:MMRRC_043941-JAX

Description: Mus musculus with name 129S1.129S6(Cg)-Ndufa1^{tm1.1Nay}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cancer, Cardiovascular, Cell Biology, Developmental Biology, Diabetes, Endocrine Deficiency, Hematology, Immunology and Inflammation, Metabolism, Models for Human Disease, Neurobiology, Obesity, Research Tools, Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: Purkinje cell degeneration [MP:0000876]| hypoactivity [MP:0001402]| extended life span [MP:0001661]| abnormal glucose homeostasis [MP:0002078]| premature death [MP:0002083]| decreased circulating corticosterone level [MP:0002665]| abnormal nucleotide metabolism [MP:0003806]| abnormal corticosterone level [MP:0003963]| decreased circulating iron level [MP:0004151]| decreased energy expenditure [MP:0004890]| abnormal metabolism [MP:0005266]| abnormal cholesterol homeostasis [MP:0005278]| increased fatty acid level [MP:0005281]| decreased oxygen consumption [MP:0005290]| abnormal amino acid level [MP:0005332]| decreased circulating bilirubin level [MP:0005635]| decreased liver cholesterol level [MP:0010026]| decreased respiratory quotient [MP:0010379]| decreased food intake [MP:0011940]| abnormal sphingolipid level [MP:0012230]| abnormal amino acid metabolism [MP:0013242]| abnormal lipid metabolism [MP:0013245]| decreased basal metabolism [MP:0020234]

Affected Gene: Ndufa1

Catalog Number: 043941-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:28506826](#)

Alternate IDs: MMRRC_43941-JAX, MMRRC_043941, MMRRC_43941

Organism Name: 129S1.129S6(Cg)-*Ndufa1*^{tm1.1Nay}/Mmjax

Record Creation Time: 20230308T055236+0000

Record Last Update: 20260808T124314+0000

Ratings and Alerts

No rating or validation information has been found for 129S1.129S6(Cg)-*Ndufa1*^{tm1.1Nay}/Mmjax.

No alerts have been found for 129S1.129S6(Cg)-*Ndufa1*^{tm1.1Nay}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.