

Resource Summary Report

Generated by [T1D](#) on Sep 18, 2026

[Tg\(Myh6-cre\)2182Mds; Nox4^{tm1.1Jusa}/Nox4^{tm1.1Jusa}](#)

RRID:MGI:4830886

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:4830886

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

Species: Mus musculus

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

Phenotype: oxidative stress, abnormal mitochondrial physiology, decreased sensitivity to induced morbidity/mortality, decreased cardiomyocyte apoptosis, decreased cardiac muscle contractility, decreased ventricle muscle contractility, decreased response of heart to induced stress, cardiac interstitial fibrosis, heart left ventricle hypertrophy

Affected Gene: Nox4

Genomic Alteration: tm1.1Jusa, Tg(Myh6-cre)2182Mds

Catalog Number: 4830886

Background: involves: C57BL/6 * FVB

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20713697](#)

Organism Name: Tg(Myh6-cre)2182Mds; Nox4^{tm1.1Jusa}/Nox4^{tm1.1Jusa}

Record Creation Time: 20240120T190246+0000

Record Last Update: 20240130T201814+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Myh6-cre)2182Mds; Nox4^{tm1.1Jusa}/Nox4^{tm1.1Jusa}.

No alerts have been found for Tg(Myh6-cre)2182Mds; Nox4^{tm1.1Jusa}/Nox4^{tm1.1Jusa}.

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.