

# Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

**Tg(Myh6-cre)2182Mds; Nox4<sup>tm1.1Jusa</sup>/Nox4<sup>tm1.1Jusa</sup>**

RRID:MGI:4830886

Type: Organism

---

## Proper Citation

RRID:MGI:4830886

---

## 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<sup>tm1.1Jusa</sup>/Nox4<sup>tm1.1Jusa</sup>

**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<sup>tm1.1Jusa</sup>/Nox4<sup>tm1.1Jusa</sup>.

No alerts have been found for Tg(Myh6-cre)2182Mds; Nox4<sup>tm1.1Jusa</sup>/Nox4<sup>tm1.1Jusa</sup>.

---

## 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.