

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

[Six1^{tm1Mair}/Six1^{tm1Mair}](#); [Six4^{tm1Mair}/Six4^{tm1Mair}](#)

RRID:MGI:3579989

Type: Organism

Proper Citation

RRID:MGI:3579989

Organism Information

URL:

Proper Citation: RRID:MGI:3579989

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

Species: Mus musculus

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

Phenotype: anotia, short ribs, small orbits, absent nasal bone, small temporal bone, absent zygomatic bone, absent premaxilla, exophthalmos, trunk curl, abnormal sternocostal joint morphology, short mandible, decreased embryo size, abnormal intrinsic tongue muscle morphology, perinatal lethality, complete penetrance, eyelids open at birth, absent hypaxial muscle, abnormal inner ear morphology, abnormal muscle precursor cell migration, distended abdomen, abnormal skeletal muscle morphology, abnormal genioglossus muscle morphology, absent tympanic ring, muscle hypoplasia, absent maxillary shelf, abnormal forelimb morphology, short maxilla, absent Meckel's cartilage, abnormal hindlimb morphology, abnormal muscle development, absent eye muscles, absent tongue muscles

Affected Gene: Six4, Six1

Genomic Alteration: tm1Mair

Catalog Number: 3579989

Background: either: 129/Sv-Six1 Six4 or B6N.129-Six1 Six4

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15788460](#)

Organism Name: Six1^{tm1Mair}/Six1^{tm1Mair}; Six4^{tm1Mair}/Six4^{tm1Mair}

Record Creation Time: 20240120T190631+0000

Record Last Update: 20240130T202120+0000

Ratings and Alerts

No rating or validation information has been found for Six1^{tm1Mair}/Six1^{tm1Mair}; Six4^{tm1Mair}/Six4^{tm1Mair}.

No alerts have been found for Six1^{tm1Mair}/Six1^{tm1Mair}; Six4^{tm1Mair}/Six4^{tm1Mair}.

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.