

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

[Rai1^{tm1Jrl}](#)/[Rai1^{tm1Jrl}](#)

RRID:MGI:3577936

Type: Organism

Proper Citation

RRID:MGI:3577936

Organism Information

URL:

Proper Citation: RRID:MGI:3577936

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

Species: Mus musculus

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

Phenotype: lethality throughout fetal growth and development, incomplete penetrance, abnormal snout morphology, abnormal nasal bone morphology, short snout, polyphalangy, abnormal thoracic vertebrae morphology, abnormal brain wave pattern, decreased survivor rate, abnormal cervical vertebrae morphology, abnormal vertebral arch development, abnormal contextual conditioning behavior, abnormal rib development, increased anxiety-related response, abnormal cued conditioning behavior, tonic-clonic seizures, seizures, impaired coordination, limb grasping, fusion of atlas and odontoid process, embryonic lethality between implantation and somite formation, incomplete penetrance, broad nasal bone, abnormal axial skeleton morphology, kyphosis, postnatal growth retardation, abnormal thyroid cartilage morphology, postnatal lethality, incomplete penetrance, short nasal bone, malocclusion

Affected Gene: Rai1

Genomic Alteration: tm1Jrl

Catalog Number: 3577936

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

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:17517686](#), [PMID:15746153](#)

Organism Name: Rai1^{tm1Jrl}/Rai1^{tm1Jrl}

Record Creation Time: 20240120T190633+0000

Record Last Update: 20240130T202024+0000

Ratings and Alerts

No rating or validation information has been found for Rai1^{tm1Jrl}/Rai1^{tm1Jrl}.

No alerts have been found for Rai1^{tm1Jrl}/Rai1^{tm1Jrl}.

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.