

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

[Robo2^{tm1Mrt}/Robo2^{tm1Mrt}; Robo1^{tm1Matl}/Robo1^{tm1Matl}](#)

RRID:MGI:5522691

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:5522691

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

Species: Mus musculus

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

Phenotype: abnormal anterior commissure morphology, abnormal axon guidance, abnormal dorsal telencephalic commissure morphology, decreased corpus callosum size, abnormal innervation

Affected Gene: Robo1, Robo2

Genomic Alteration: tm1Matl, tm1Mrt

Catalog Number: 5522691

Background: involves: 129P2/OlaHsd * C57BL/6 * CD-1

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:17392456](#)

Organism Name: Robo2^{tm1Mrt}/Robo2^{tm1Mrt}; Robo1^{tm1Matl}/Robo1^{tm1Matl}

Record Creation Time: 20240120T190104+0000

Record Last Update: 20240130T201716+0000

Ratings and Alerts

No rating or validation information has been found for Robo2^{tm1Mrt}/Robo2^{tm1Mrt}; Robo1^{tm1Matl}/Robo1^{tm1Matl}.

No alerts have been found for Robo2^{tm1Mrt}/Robo2^{tm1Mrt}; Robo1^{tm1Matl}/Robo1^{tm1Matl}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Charoy C, et al. (2017) Genetic specification of left-right asymmetry in the diaphragm muscles and their motor innervation. eLife, 6.