

Resource Summary Report

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STOCK *Robo1^{tm1Matl} Robo2^{tm1Mrt}/MatlMmmh*

RRID:MMRRC_030747-MU

Type: Organism

Proper Citation

RRID:MMRRC_030747-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30747

Proper Citation: RRID:MMRRC_030747-MU

Description: Mus musculus with name STOCK *Robo1^{tm1Matl} Robo2^{tm1Mrt}/MatlMmmh* from MMRRC.

Species: Mus musculus

Notes: Research areas: Developmental Biology, Internal/Organ, Models for Human Disease, Neurobiology, Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal foregut morphology [MP:0000474] decreased corpus callosum size [MP:0000781] cyanosis [MP:0001575] respiratory failure [MP:0001953] neonatal lethality [MP:0002058] no abnormal phenotype detected [MP:0002169] abnormal innervation [MP:0002184] abnormal diaphragm morphology [MP:0002279] abnormal axon guidance [MP:0002961] diaphragmatic hernia [MP:0003924] short trachea [MP:0004550] abnormal dorsal aorta morphology [MP:0004787] abnormal olfactory tract morphology [MP:0005237] abnormal dorsal telencephalic commissure morphology [MP:0008219] abnormal anterior commissure morphology [MP:0008225] abnormal mammary gland duct morphology [MP:0009503] absent gastric milk in neonates [MP:0009546] abnormal spinal cord lateral column morphology [MP:0009678] abnormal spinal cord ventral commissure morphology [MP:0009695] increased mammary gland epithelial cell proliferation [MP:0010173] abnormal stomach position or orientation [MP:0010807] small esophagus [MP:0010880] esophagus hypoplasia [MP:0010881] neonatal lethality [MP:0011087] complete penetrance [MP:0011805] abnormal foregut morphology [MP:0000474] abnormal ureter morphology [MP:0000534] decreased corpus callosum size [MP:0000781] cyanosis [MP:0001575] respiratory failure [MP:0001953] abnormal innervation [MP:0002184] abnormal diaphragm morphology [MP:0002279] abnormal axon guidance [MP:0002961] short trachea

[MP:0004550] abnormal dorsal aorta morphology [MP:0004787] abnormal olfactory tract morphology [MP:0005237] abnormal dorsal telencephalic commissure morphology [MP:0008219] abnormal anterior commissure morphology [MP:0008225] absent gastric milk in neonates [MP:0009546] abnormal spinal cord lateral column morphology [MP:0009678] abnormal spinal cord ventral commissure morphology [MP:0009695] abnormal cerebellar peduncle morphology [MP:0009976] abnormal stomach position or orientation [MP:0010807] small esophagus [MP:0010880] esophagus hypoplasia [MP:0010881] postnatal lethality [MP:0011085] complete penetrance [MP:0011087] neonatal lethality [MP:0011805]

Affected Gene: |Robo1||Robo2

Catalog Number: 030747-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15091338](#), [PMID:15130495](#)

Organism Name: STOCK *Robo1^{tm1Matl} Robo2^{tm1Mrt}/MatlMmmh*

Ratings and Alerts

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

No alerts have been found for STOCK *Robo1^{tm1Matl} Robo2^{tm1Mrt}/MatlMmmh*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Li J, et al. (2015) Robo1/2 regulate follicle atresia through manipulating granulosa cell apoptosis in mice. Scientific reports, 5, 9720.

Zhou WJ, et al. (2013) Induction of intestinal stem cells by R-spondin 1 and Slit2 augments chemoradioprotection. *Nature*, 501(7465), 107.