

# Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

## B6J;129X1-Dlx5<sup>tm1Jlr</sup>/Mmucd

RRID:MMRRC\_030260-UCD

Type: Organism

### Proper Citation

RRID:MMRRC\_030260-UCD

### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=30260](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30260)

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**Description:** Mus musculus with name B6J;129X1-Dlx5<sup>tm1Jlr</sup>/Mmucd from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: Developmental Biology, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

**Phenotype:** abnormal malleus morphology [MP:0000029] abnormal cochlea morphology [MP:0000031] absent endolymphatic duct [MP:0000041] abnormal middle ear morphology [MP:0000049] abnormal neurocranium morphology [MP:0000074] short premaxilla [MP:0000091] abnormal vomer bone morphology [MP:0000098] abnormal nasal bone morphology [MP:0000102] abnormal rib morphology [MP:0000150] abnormal cranium morphology [MP:0000438] abnormal maxilla morphology [MP:0000455] abnormal mandible morphology [MP:0000458] abnormal olfactory bulb morphology [MP:0000819] exencephaly [MP:0000914] open neural tube [MP:0000929] abnormal sensory neuron innervation pattern [MP:0000968] small trigeminal ganglion [MP:0001093] decreased body size [MP:0001265] abnormal outer ear morphology [MP:0002177] abnormal nasal mucosa morphology [MP:0002238] abnormal larynx morphology [MP:0002249] abnormal thyroid cartilage morphology [MP:0002260] abnormal sexual interaction [MP:0002566] micrognathia [MP:0002639] abnormal molar morphology [MP:0002689] small olfactory bulb [MP:0002741] abnormal tooth mineralization [MP:0002817] abnormal premaxilla morphology [MP:0002820] decreased cochlear coiling [MP:0003148] decreased lateral semicircular canal size [MP:0003162] absent posterior semicircular canal [MP:0003163] absent superior semicircular canal [MP:0003165] abnormal scala vestibuli morphology [MP:0003168] abnormal alisphenoid bone morphology [MP:0003235] abnormal GABAergic neuron morphology [MP:0003245] abnormal axon extension [MP:0003651] abnormal molar crown morphology [MP:0003932] abnormal craniofacial development [MP:0003935] abnormal tongue

muscle morphology [MP:0004136] abnormal pterygoid muscle morphology [MP:0004237] abnormal rostral migratory stream morphology [MP:0004279] small interparietal bone [MP:0004384] small parietal bone [MP:0004418] abnormal temporal bone squamous part morphology [MP:0004423] small supraoccipital bone [MP:0004444] abnormal pterygoid bone morphology [MP:0004453] small nasal bone [MP:0004470] turbinate hypoplasia [MP:0004477] small maxilla [MP:0004540] abnormal mandibular coronoid process morphology [MP:0004594] abnormal mandibular condyloid process morphology [MP:0004595] abnormal mandibular angle morphology [MP:0004596] abnormal stapedial artery morphology [MP:0004665] abnormal nasal capsule morphology [MP:0004726] abnormal olfactory nerve morphology [MP:0005236] abnormal occipital bone morphology [MP:0005269] abnormal lacrimal bone morphology [MP:0005271] abnormal incisor morphology [MP:0005358] abnormal Meckel's cartilage morphology [MP:0005587] decreased tympanic ring size [MP:0006020] abnormal external auditory canal morphology [MP:0006033] otic capsule hypoplasia [MP:0006289] abnormal nasal pit morphology [MP:0006306] small malleus processus brevis [MP:0008378] abnormal olfactory epithelium morphology [MP:0008789] absent gastric milk in neonates [MP:0009546] cleft secondary palate [MP:0009890] cleft primary palate [MP:0009893] abnormal frontonasal prominence morphology [MP:0009901] abnormal lateral nasal prominence morphology [MP:0009902] abnormal olfactory bulb granule cell morphology [MP:0009942] abnormal olfactory bulb periglomerular cell morphology [MP:0009943] abnormal mitral cell morphology [MP:0009954] perinatal lethality [MP:0011089] complete penetrance [MP:0011101] prenatal lethality [MP:0013595] incomplete penetrance [MP:0013597] absent vomeronasal organ [MP:0013933] small vomeronasal organ [MP:0014155] short Meckel's cartilage [MP:0014166] absent olfactory epithelium [MP:0020137] ectopic cranial bone [MP:0030055] decreased bone mineralization [MP:0030089] small lacrimal bone [MP:0030090] short lower incisors [MP:0030148] short upper incisors [MP:0030187] abnormal mylohyoid muscle morphology [MP:0030199] abnormal epitympanic recess morphology [MP:0030203] deviated nasal septum [MP:0030208] short nasal septum [MP:0030250] abnormal intrinsic tongue muscle morphology [MP:0030266] frontonasal prominence hypoplasia [MP:0030321] small vomer bone [MP:0030422]

**Affected Gene:** Dlx5

**Catalog Number:** 030260-UCD

**Background:** Targeted Mutation

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

**Database Abbreviation:** MMRRC

**Source References:** [PMID:12533617](#), [PMID:10433912](#)

**Alternate IDs:** MMRRC\_30260-UCD, MMRRC\_030260, MMRRC\_326

**Organism Name:** B6J;129X1-Dlx5<sup>tm1Jlr</sup>/Mmucd

**Record Creation Time:** 20230308T055119+0000

**Record Last Update:** 20260801T124214+0000

No rating or validation information has been found for B6J;129X1-Dlx5<sup>tm1Jlr</sup>/Mmucd.

No alerts have been found for B6J;129X1-Dlx5<sup>tm1Jlr</sup>/Mmucd.

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## Data and Source Information

**Source:** [Integrated Animals](#)

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.