

Resource Summary Report

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Jackson Laboratory Cytogenetic Models Resource

RRID:SCR_003270

Type: Tool

Proper Citation

Jackson Laboratory Cytogenetic Models Resource (RRID:SCR_003270)

Resource Information

URL: <http://www.jax.org/cyto/index.html>

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Description: Maintains and distributes chromosome aberration stocks that provide primarily mouse models for Down syndrome. The Resource currently provides models for Down syndrome research, including: Rb(6.16)24Lub x Rb(16.17)7Bnr F1 hybrids that are used to produce Chr 16 trisomy (Ts16) embryos, which have many of the fetal developmental features of DS, and; Ts(1716)65Dn, segmental trisomy mice that survive to adulthood and have many of the features of DS. The Resource also includes stocks with selected reciprocal translocations involving Chr 16 and some Chr 16 transgenic stocks. In addition, a large number of Robertsonian chromosome stocks are held as frozen embryos in the Cryopreservation Resource. Each mouse chromosome is present in at least two different Robertsonian chromosomes in these strains so that specific trisomies for each of the 19 mouse autosomes can be produced. Breeding pairs and individual mice are provided.

Synonyms: Jackson Lab: Cytogenetic Models Resource, Cytogenetic Models Resource

Resource Type: material resource, organism supplier, biomaterial supply resource

Keywords: chromosome mutation, mouse model, down syndrome model, transgenic mouse

Related Condition: Down syndrome

Funding: NICHD contract N01-HD-73265

Availability: Free, Available for download, Freely available

Resource Name: Jackson Laboratory Cytogenetic Models Resource

Resource ID: SCR_003270

Alternate IDs: nif-0000-01258

Alternate URLs: <https://www.jax.org/research-and-faculty/resources/cytogenetic-and-down-syndrome-models-resource>

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260807T042550+0000

Ratings and Alerts

No rating or validation information has been found for Jackson Laboratory Cytogenetic Models Resource.

No alerts have been found for Jackson Laboratory Cytogenetic Models Resource.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Kleschevnikov AM, et al. (2017) Evidence that increased Kcnj6 gene dose is necessary for deficits in behavior and dentate gyrus synaptic plasticity in the Ts65Dn mouse model of Down syndrome. *Neurobiology of disease*, 103, 1.