# Resource Summary Report

Generated by RRID on May 7, 2025

## 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:** organism supplier, biomaterial supply resource, material resource

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

**Related Condition:** Down syndrome

**Funding:** NICHD contract N01-HD-73265

**Availability:** Available to the scientific community

**Resource Name:** Jackson Laboratory Cytogenetic Models Resource

**Resource ID:** SCR_003270

**Alternate IDs:** nif-0000-01258

**Record Creation Time:** 20220129T080218+0000

**Record Last Update:** 20250507T060125+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 RRID.

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.