

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

SD-*Ngly1*^{em1Ta/-}

RRID:RGD_39457950

Type: Organism

Proper Citation

RRID:RGD_39457950

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=39457950>

Proper Citation: RRID:RGD_39457950

Description: Rattus norvegicus with name SD-*Ngly1*^{em1Ta/-} from RGD.

Species: Rattus norvegicus

Notes: The homozygous *Ngly1* mutant rats are littermates of cross of heterozygotes *Ngly1* mutant rats. The mutations created by CRISPR/Cas9 contained 2.6 kb deletions in exon 11 and exon 12 and a 3' flanking region of the *Ngly1*. Two single-guideRNA (sgRNA) sequences targeting sites upstream (5'-sgRNA; 5'-cagaggaattgtgatagtagcagg-3') and downstream (3'-sgRNA; 5'-ccagttattcataccatggtaaa-3') of the exon 11, exon 12 and a 3' flanking region of the rat *Ngly1* genome, respectively. By the time of deposition, this strain was crossed twice to Crl:CD (SD). "Homozygous rats are obtained by crossing between heterozygous rats. Maintain the strain by crossing between heterozygous rats or by backcrossing to Crl:CD (SD) rats. Homozygous rats, both females and males, have no record of pregnancy and reproduction. They are more likely to be infertile." [National BioResource Project for the Rat in Japan](#)

Catalog Number: 39457950

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2021-07-22)

Alternate IDs: 39457950

Organism Name: SD-*Ngly1*^{em1Ta/-}

Record Creation Time: 20230509T191950+0000

Record Last Update: 20260725T194308+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Ngly1^{em1Ta}*-/-.

No alerts have been found for SD-*Ngly1^{em1Ta}*-/-.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.