

Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

SD-Fos^{em1Yossi}

RRID:RGD_329849011

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=329849011>

Proper Citation: RRID:RGD_329849011

Description: Rattus norvegicus with name SD-Fos^{em1Yossi} from RGD.

Species: Rattus norvegicus

Notes: SD rats (Slc:SD) in which the c-Fos gene (ENSRNOG00000008015) was disrupted by the CRISPR/Cas9 system. Two guide RNAs and Cas9 protein were injected into the pronucleus of fertilized eggs of SD rats. After injection, they were transferred into the oviducts of the recipient rats and born. The founder rat (line 12) showed abnormal teeth, and PCR and sequencing analysis revealed that 1,067 bases including Exon 1 were deleted. The founder rat were mated with SD rats and bred. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 329849011

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2023-06-09)

Alternate IDs: 329849011

Organism Name: SD-Fos^{em1Yossi}

Record Creation Time: 20230823T202703+0000

Record Last Update: 20260905T135245+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Fos^{em1Yossi}*.

No alerts have been found for SD-*Fos^{em1Yossi}*.

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.