

Resource Summary Report

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WI-Nanos3^{em1(tdTomato)}Nips

RRID:RGD_401795481

Type: Organism

Proper Citation

RRID:RGD_401795481

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=401795481>

Proper Citation: RRID:RGD_401795481

Description: Rattus norvegicus with name WI-Nanos3^{em1(tdTomato)}Nips from RGD.

Species: Rattus norvegicus

Notes: The targeting vector was designed to replace the stop codon of Nanos3 with T2A-2xtdTomato. The adeno-associated virus carrying the targeting vector was infected to Crlj:WI (RGD ID: 2312504) rat 1 cell zygotes followed by the introduction of CRISPR/Cas9 ribonucleoprotein complex by electroporation. After incubation overnight, the zygotes were transferred into oviducts of pseudo-pregnant rats. The pups were judged correct gene-targeting by genomic PCR. These rat strains are being maintained by crossing the founder rats with Crlj:WI rats. The tdTomato fluorescence faithfully label Nanos3 expressing cells. Section of Mammalian Transgenesis Center for Genetic Analysis of Behavior, National Institute for Physiological Sciences, Okazaki Aichi 444-8787, Japan. or Division of Mammalian Embryology, Center for Stem Cell Biology and Regenerative Medicine, The Institute for Medical Science, The University of Tokyo, Tokyo108-8639, Japan.

Catalog Number: 401795481

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo; Cryopreserved Sperm (as of 2023-09-11)

Alternate IDs: 401795481

Organism Name: WI-Nanos3^{em1(tdTomato)}Nips

Record Creation Time: 20231103T193135+0000

Record Last Update: 20260808T193751+0000

Ratings and Alerts

No rating or validation information has been found for *WI-Nanos3^{em1(tdTomato)}Nips*.

No alerts have been found for *WI-Nanos3^{em1(tdTomato)}Nips*.

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.