Resource Summary Report

Generated by dkNET on Sep 1, 2026

WI;WDB-*ROSA26*$^{tm1(H2B\text{-}tdTomato)}$/Nips

RRID:RGD_155269039
Type: Organism

Proper Citation

RRID:RGD_155269039

Organism Information

URL: https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=155269039

Proper Citation: RRID:RGD_155269039

Description: Rattus norvegicus with name WI;WDB-*ROSA26*$^{tm1(H2B\text{-}tdTomato)}$/Nips from RGD.

Species: Rattus norvegicus

Notes: PCR products of the human H2BC11 (H2B-6), tdTomato, splice acceptor sequence, and IRES-Neor-SV40pA were inserted into the NheI site of prROSA26-1 with an in-fusion cloning kit. The final tdTomato-H2B-6 targeting vector was linearized by SalI digestion. The vector was introduced into WDB/Nips-ES1/Nips (RGD ID:10054010) embryonic stem cells by electroporation. Targeted ES cells were injected into Crlj:WI (RGD ID: 2312504) blastocysts to produce chimeric rats. The chimeric rats were crossed with Crlj:WI rats to produce heterozygous founder rats.These rat strains are being maintained by crossing the founder rats with Crlj:WI rats. ROSA26 is a synonym for rat Thumpd3-as1 (RGD:6491660) and is used as an official symbol for rat strain nomenclature. Section of Mammalian Transgenesis Center for Genetic Analysis of Behavior, National Institute for Physiological Sciences, Okazaki Aichi, JAPAN

Catalog Number: 155269039

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2022-10-11)

Alternate IDs: 155269039

Organism Name: WI;WDB-*ROSA26*$^{tm1(H2B\text{-}tdTomato)}$/Nips

Record Creation Time: 20230509T191952+0000

Record Last Update: 20260829T184959+0000

Ratings and Alerts

No rating or validation information has been found for WI;WDB-*ROSA26*$^{tm1(H2B\text{-}tdTomato)}$/Nips.

No alerts have been found for WI;WDB-*ROSA26*$^{tm1(H2B\text{-}tdTomato)}$/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.