

Resource Summary Report

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

F344-Nox4^{em1Shmo}

RRID:RGD_598092602

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=598092602>

Proper Citation: RRID:RGD_598092602

Description: Rattus norvegicus with name F344-Nox4^{em1Shmo} from RGD.

Species: Rattus norvegicus

Notes: A one-base insertion was introduced into the first exon of the NADPH oxidase 4 (Nox4) gene of F344/DuCrj rats by CRISPR/Cas9. They were then backcrossed to F344/N (Japan SLC, Inc.). [National BioResource Project for the Rat in Japan](#)

Catalog Number: 598092602

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2025-03-28)

Alternate IDs: 598092602

Organism Name: F344-Nox4^{em1Shmo}

Record Creation Time: 20250416T090753+0000

Record Last Update: 20260905T135246+0000

Ratings and Alerts

No rating or validation information has been found for F344-Nox4^{em1Shmo}.

No alerts have been found for F344-Nox4^{em1Shmo}.

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.