

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

F344-Pparg^{m1Kyo}

RRID:RGD_38676254

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=38676254>

Proper Citation: RRID:RGD_38676254

Description: Rattus norvegicus with name F344-Pparg^{m1Kyo} from RGD.

Species: Rattus norvegicus

Notes: By using ENU mutagenesis followed by MuT-POWER screening of the KURMA (Kyoto University Rat Mutant Archive) samples, the depositors generated a heterozygous PPARG mutant (Ppargmkyo/+) rat with a missense mutation (G488T p.C163F in Pparg1 or G578T p.C193F for Pparg2) in Pparg. The PpargG488T homozygous rats are embryonic lethal. Heterozygous Ppargmkyo/+ rats showed reduced fat mass with adipocyte hypertrophy and insulin resistance, which were highly predictable from known actions of Pparg agonists and phenotypes of patients with the PPARG mutation. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 38676254

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2020-09-16)

Alternate IDs: 38676254

Organism Name: F344-Pparg^{m1Kyo}

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260725T194309+0000

Ratings and Alerts

No rating or validation information has been found for F344-*Pparg*^{m1Kyo}.

No alerts have been found for F344-*Pparg*^{m1Kyo}.

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.