

Resource Summary Report

Generated by [dkNET](#) on Sep 9, 2026

F344/NCrI

RRID:RGD_737926

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=737926>

Proper Citation: RRID:RGD_737926

Description: Rattus norvegicus with name F344/NCrI from RGD.

Species: Rattus norvegicus

Notes: Derived from NIH stock in 1992 by SASCO. To Charles River in 1996. [Charles River Laboratories](#)

Catalog Number: 737926

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 737926

Organism Name: F344/NCrI

Record Creation Time: 20230509T191930+0000

Record Last Update: 20260905T135211+0000

Ratings and Alerts

No rating or validation information has been found for F344/NCrI.

No alerts have been found for F344/NCrI.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Hodges CI, et al. (2026) Genetic Modulation of Oxycodone Self-Administration Trajectories: From Initiation to Escalating Burst Patterns. bioRxiv : the preprint server for biology.

Olson RM, et al. (2025) Generation and characterization of a humanized ACE2 rat model for the study of SARS-CoV-2 and COVID-19. Frontiers in microbiology, 16, 1680273.

Duffy EP, et al. (2024) Sex and genetic background influence intravenous oxycodone self-administration in the hybrid rat diversity panel. Frontiers in psychiatry, 15, 1505898.

Duffy EP, et al. (2024) Genetic background and sex influence somatosensory sensitivity and oxycodone analgesia in the Hybrid Rat Diversity Panel. Genes, brain, and behavior, 23(2), e12894.

Anderson T, et al. (2023) Obesity during preclinical Alzheimer's disease development exacerbates brain metabolic decline. Journal of neurochemistry.

Redina OE, et al. (2021) Hypothalamic Norepinephrine Concentration and Heart Mass in Hypertensive ISIAH Rats Are Associated with a Genetic Locus on Chromosome 18. Journal of personalized medicine, 11(2).

Devyatkin VA, et al. (2020) Single-Nucleotide Polymorphisms (SNPs) Both Associated with Hypertension and Contributing to Accelerated-Senescence Traits in OXYS Rats. International journal of molecular sciences, 21(10).

Taylor MR, et al. (2020) Kirrel3-Mediated Synapse Formation Is Attenuated by Disease-Associated Missense Variants. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(28), 5376.

Wang Q, et al. (2017) Neuropilin-2/PlexinA3 Receptors Associate with GluA1 and Mediate Sema3F-Dependent Homeostatic Scaling in Cortical Neurons. Neuron, 96(5), 1084.

Basu R, et al. (2017) Heterophilic Type II Cadherins Are Required for High-Magnitude Synaptic Potentiation in the Hippocampus. Neuron, 96(1), 160.

Prokop JW, et al. (2016) The phenotypic impact of the male-specific region of chromosome-Y in inbred mating: the role of genetic variants and gene duplications in multiple inbred rat strains. Biology of sex differences, 7, 10.

Atanur SS, et al. (2013) Genome sequencing reveals loci under artificial selection that underlie disease phenotypes in the laboratory rat. *Cell*, 154(3), 691.