

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

F344/NSlc

RRID:RGD_1302627

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=1302627>

Proper Citation: RRID:RGD_1302627

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

Species: Rattus norvegicus

Notes: Strain originated from Japan SLC, Inc, Shizuoka, Japan. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 1302627

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals

Alternate IDs: 1302627

Organism Name: F344/NSlc

Record Creation Time: 20230509T191931+0000

Record Last Update: 20260725T194236+0000

Ratings and Alerts

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

No alerts have been found for F344/NSlc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Katano T, et al. (2025) A novel approach for hepatocyte transplantation at the liver surface. *Cell transplantation*, 34, 9636897251329308.

Almunia JA, et al. (2025) Hematological and biochemical characterization of aging farm male rat strains in the national center for geriatrics and gerontology. *Experimental animals*, 74(1), 66.

Oyama M, et al. (2025) Dual therapy with vildagliptin and sacubitril/valsartan alleviates portal hypertension and inhibits soluble epoxide hydrolase in cirrhotic rats. *World journal of gastroenterology*, 31(33), 109562.

Komura M, et al. (2025) The feasibility of human embryonic stem cell (hESC)-derived cartilage for tracheoplasty. *Regenerative therapy*, 30, 1069.

Numata N, et al. (2025) Regional differences in the distribution of melanocyte-containing hair bulbs in the skin of male albino rats. *PloS one*, 20(11), e0336110.

Tanaka M, et al. (2024) A missense mutation in the Hspa8 gene encoding heat shock cognate protein 70 causes neuroaxonal dystrophy in rats. *Frontiers in neuroscience*, 18, 1263724.

Kanno H, et al. (2024) High-throughput fluorescence lifetime imaging flow cytometry. *Nature communications*, 15(1), 7376.

Matsuda T, et al. (2024) Cabozantinib prevents the progression of metabolic dysfunction-associated steatohepatitis by inhibiting the activation of hepatic stellate cell and macrophage and attenuating angiogenic activity. *Heliyon*, 10(19), e38647.

Wada A, et al. (2024) Combination of Parenteral Amino Acid Infusion and Intermittent Loading Exercise Ameliorates Progression of Postoperative Sarcopenia in Rat Model. *Nutrients*, 16(8).

Asada S, et al. (2024) Tofogliflozin Delays Portal Hypertension and Hepatic Fibrosis by Inhibiting Sinusoidal Capillarization in Cirrhotic Rats. *Cells*, 13(6).

Sakai T, et al. (2024) A novel PET probe to selectively image heat shock protein 90?/? isoforms in the brain. *EJNMMI radiopharmacy and chemistry*, 9(1), 19.

Takeda S, et al. (2024) Myelin lesion in the aspartoacylase (Aspa) knockout rat, an animal model for Canavan disease. *Experimental animals*, 73(3), 347.

Sakai T, et al. (2023) Noradrenaline transporter PET reflects neurotoxin-induced noradrenaline level decrease in the rat hippocampus. *EJNMMI research*, 13(1), 82.

Ikenuma H, et al. (2023) Synthesis and evaluation of a novel PET ligand, a GSK'963 analog, aiming at autoradiography and imaging of the receptor interacting protein kinase 1 in the brain. *EJNMMI radiopharmacy and chemistry*, 8(1), 31.

Richard Albert J, et al. (2023) Conservation and divergence of canonical and non-canonical imprinting in murids. *Genome biology*, 24(1), 48.

Ichinohe N, et al. (2023) CINC-2 and miR-199a-5p in EVs secreted by transplanted Thy1+ cells activate hepatocytic progenitor cell growth in rat liver regeneration. *Stem cell research & therapy*, 14(1), 134.

Yamana H, et al. (2022) Cotransplantation With Adipose Tissue-derived Stem Cells Improves Engraftment of Transplanted Hepatocytes. *Transplantation*, 106(10), 1963.

Nishimaki H, et al. (2022) Short-term inhalation of isoflurane improves the outcomes of intraportal hepatocyte transplantation. *Scientific reports*, 12(1), 4241.

Suka M, et al. (2021) Single intratracheal administration of cross-linked water-soluble acrylic acid polymer causes acute alveolo-interstitial inflammation and the subsequent fibrotic formation possibly via the TGF- β 1 pathway in the lung of rats. *Toxicology*, 448, 152647.

Matsushita K, et al. (2021) Background data of 2-year-old male and female F344 gpt delta rats. *Journal of toxicologic pathology*, 34(1), 23.