

# Resource Summary Report

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

## F344/NSlc

RRID:RGD\_1302627

Type: Organism

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### Proper Citation

RRID:RGD\_1302627

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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

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### Ratings and Alerts

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

No alerts have been found for F344/NSlc.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Rat Genome Database (RGD)

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## 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.

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

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

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

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).

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.

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.

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

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

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

Nakajima T, et al. (2021) Grafting of iPS cell-derived tenocytes promotes motor function recovery after Achilles tendon rupture. *Nature communications*, 12(1), 5012.

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- $\beta$ 1 pathway in the lung of rats. *Toxicology*, 448, 152647.