Resource Summary Report

Generated by NIF on Sep 2, 2026

F344-Tg(UBC-EGFP)F455Rrrc

RRID:RRRC_00307
Type: Organism

Proper Citation

RRID:RRRC_00307

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=6478791

Proper Citation: RRID:RRRC_00307

Description: Rattus norvegicus with name F344-Tg(UBC-EGFP)F455Rrrc from RGD.

Species: Rattus norvegicus

Notes: This transgenic strain was made by injecting the lentivirus vector containing the GFP construct (vector name FUGW) into Lewis rat embryos. Animals that exhibited fluorescence of tails were mated. Offspring were bred with Lewis wild-type mates to map transgene location. Animals were backcrossed 10 generations onto F344. Rat Resource and Research Center

Catalog Number: 00307

Background: transgenic

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Live Animals; Cryopreserved Embryo; Cryopreserved Sperm

Alternate IDs: RGD_6478791, 6478791, RRRC_307, RRRC_0307, RRRC_00307

Organism Name: F344-Tg(UBC-EGFP)F455Rrrc

Record Creation Time: 20230607T202006+0000

Record Last Update: 20260829T095458+0000

Ratings and Alerts

No rating or validation information has been found for F344-Tg(UBC-EGFP)F455Rrrc .

No alerts have been found for F344-Tg(UBC-EGFP)F455Rrrc .

Data and Source Information

Source: Integrated Animals

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Seiler MJ, et al. (2026) Generation of a new immunodeficient rat model of retinal degeneration with LSL TdTomato reporter and TdTomato-Pcp2 expression. bioRxiv : the preprint server for biology.

Alizadeh AM, et al. (2025) Restoration of Higher-Order Cortical Processing in Rat V2 by Retinal Sheet Transplants in Degenerated Rats. bioRxiv : the preprint server for biology.

Aceves M, et al. (2023) Developmental stage of transplanted neural progenitor cells influences anatomical and functional outcomes after spinal cord injury in mice. Communications biology, 6(1), 544.

Tracy EP, et al. (2023) Stromal Vascular Fraction Restores Vasodilatory Function by Reducing Oxidative Stress in Aging-Induced Coronary Microvascular Disease. Antioxidants & redox signaling, 38(4-6), 261.

Zvick J, et al. (2022) Exclusive generation of rat spermatozoa in sterile mice utilizing blastocyst complementation with pluripotent stem cells. Stem cell reports, 17(9), 1942.

Hamrangsekachaee M, et al. (2022) Investigating Mechanisms of Subcutaneous Preconditioning Incubation for Neural Stem Cell Embedded Hydrogels. ACS applied bio materials, 5(5), 2176.

Tracy EP, et al. (2022) Adipose stromal vascular fraction reverses mitochondrial dysfunction and hyperfission in aging-induced coronary microvascular disease. American journal of physiology. Heart and circulatory physiology, 323(4), H749.

Ham TR, et al. (2020) Subcutaneous priming of protein-functionalized chitosan scaffolds improves function following spinal cord injury. Materials science & engineering. C, Materials for biological applications, 110.

De La Vega RE, et al. (2018) Contribution of Implanted, Genetically Modified Muscle Progenitor Cells Expressing BMP-2 to New Bone Formation in a Rat Osseous Defect. Molecular therapy : the journal of the American Society of Gene Therapy, 26(1), 208.

Ono Y, et al. (2017) Regeneration and Cell Recruitment in an Improved Heterotopic Auxiliary Partial Liver Transplantation Model in the Rat. Transplantation, 101(1), 92.

Marongiu F, et al. (2017) Hyperplasia vs hypertrophy in tissue regeneration after extensive liver resection. World journal of gastroenterology, 23(10), 1764.

Men H, et al. (2013) Derivation of a germline competent transgenic Fischer 344 embryonic stem cell line. PloS one, 8(2), e56518.