

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

SS/JrHsdMcwi

RRID:RGD_61499

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=61499>

Proper Citation: RRID:RGD_61499

Description: Rattus norvegicus with name SS/JrHsdMcwi from RGD.

Species: Rattus norvegicus

Notes: Inbred from a congenic control group of Dahl S rats (SS/Ren) obtained from Dr. Theodore Kurtz (UCSF, CA) which were originally derived from the Harlan SS/Jr colony. Maintained at the Medical College of Wisconsin since 1991, this strain has undergone considerable marker-selected breeding to eliminate residual heterozygosity and genetic contamination. To confirm homozygosity, the strain was tested with 200 microsatellite markers (genome-wide scan at 20cM) all of which were homozygous for all regions tested (Cowley et al. 2000, Physiol. Genomics. 2:107-115). [RGD HRDP](#), [contact HRDP](#)

Catalog Number: 61499

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals; Cryorecovery

Alternate IDs: 61499

Organism Name: SS/JrHsdMcwi

Record Creation Time: 20230509T191928+0000

Record Last Update: 20260829T184919+0000

Ratings and Alerts

No rating or validation information has been found for SS/JrHsdMcwi.

No alerts have been found for SS/JrHsdMcwi.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Bohovyk R, et al. (2026) Sex differences in the progression of salt-sensitive hypertension in aged Dahl salt-sensitive rats. American journal of physiology. Regulatory, integrative and comparative physiology.

Bohovyk R, et al. (2025) Maresin 1 modulates renal and cardiac lipid profiles in hypertensive rats. American journal of physiology. Renal physiology, 329(6), F883.

Bohovyk R, et al. (2024) Effects of zinc in podocytes and cortical collecting duct in vitro and Dahl salt-sensitive rats in vivo. The Journal of biological chemistry, 300(10), 107781.

Kravtsova O, et al. (2023) Effect of SGLT2 inhibition on salt-induced hypertension in female Dahl SS rats. Scientific reports, 13(1), 19231.

Kondelaji MHR, et al. (2023) 2nd Window NIR Imaging of Radiation Injury Mitigation Provided by Reduced Notch-Dll4 Expression on Vasculature. Molecular imaging and biology.

Zietara A, et al. (2022) Knockout of the Circadian Clock Protein PER1 (Period1) Exacerbates Hypertension and Increases Kidney Injury in Dahl Salt-Sensitive Rats. Hypertension (Dallas, Tex. : 1979), 79(11), 2519.

Kravtsova O, et al. (2022) SGLT2 inhibition effect on salt-induced hypertension, RAAS, and Na⁺ transport in Dahl SS rats. American journal of physiology. Renal physiology, 322(6), F692.