

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

## SS/HsdMcwiCrl

RRID:RGD\_2308886

Type: Organism

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### Proper Citation

RRID:RGD\_2308886

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### Organism Information

**URL:** <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=2308886>

**Proper Citation:** RRID:RGD\_2308886

**Description:** Rattus norvegicus with name SS/HsdMcwiCrl from RGD.

**Species:** Rattus norvegicus

**Notes:** Inbred from a congenic control group of Dahl/SS rats (SS/JrHsd) 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). To Charles River in 2001. [Charles River Laboratories](#)

**Catalog Number:** 2308886

**Background:** inbred

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

**Database Abbreviation:** RGD

**Availability:** Unknown

**Alternate IDs:** 2308886

**Organism Name:** SS/HsdMcwiCrl

**Record Creation Time:** 20230509T191938+0000

**Record Last Update:** 20260808T193727+0000

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## Ratings and Alerts

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

No alerts have been found for SS/HsdMcwiCrl.

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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 12 mentions in open access literature.

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

Thompson JM, et al. (2025) Dissecting Tunica Responsibility in Arterial Stress Relaxation: Smooth Muscle Need Not Apply. *Journal of vascular research*, 62(3), 157.

Wilson C, et al. (2024) Perivascular Adipose Tissue Remodels Only after Elevation of Blood Pressure in the Dahl SS Rat Fed a High-Fat Diet. *Journal of vascular research*, 61(1), 26.

Shou J, et al. (2022) PINK1 Phosphorylates Drp1S616 to Improve Mitochondrial Fission and Inhibit the Progression of Hypertension-Induced HFpEF. *International journal of molecular sciences*, 23(19).

Liu J, et al. (2021) Early Passive Leg Movement Prevents Against the Development of Heart Failure With Preserved Ejection Fraction in Rats. *Frontiers in cardiovascular medicine*, 8, 655009.

Guo H, et al. (2020) Kidney failure, arterial hypertension and left ventricular hypertrophy in rats with loss of function mutation of SOD3. *Free radical biology & medicine*, 152, 787.

Luo D, et al. (2020) (-)-Epigallocatechin-3-gallate (EGCG) attenuates salt-induced hypertension and renal injury in Dahl salt-sensitive rats. *Scientific reports*, 10(1), 4783.

Zhang W, et al. (2020) Sacubitril/Valsartan Reduces Fibrosis and Alleviates High-Salt Diet-Induced HFpEF in Rats. *Frontiers in pharmacology*, 11, 600953.

Cappetta D, et al. (2019) Dipeptidyl Peptidase 4 Inhibition Ameliorates Chronic Kidney Disease in a Model of Salt-Dependent Hypertension. *Oxidative medicine and cellular longevity*, 2019, 8912768.

Gomes A, et al. (2019) Berry-Enriched Diet in Salt-Sensitive Hypertensive Rats: Metabolic Fate of (Poly)Phenols and the Role of Gut Microbiota. *Nutrients*, 11(11).

Hoffmann LS, et al. (2015) Chronic Activation of Heme Free Guanylate Cyclase Leads to Renal Protection in Dahl Salt-Sensitive Rats. *PloS one*, 10(12), e0145048.

Holloway TM, et al. (2015) High intensity interval and endurance training have opposing effects on markers of heart failure and cardiac remodeling in hypertensive rats. PloS one, 10(3), e0121138.

Mascarenhas D, et al. (2012) Mammalian target of rapamycin complex 2 regulates inflammatory response to stress. Inflammation research : official journal of the European Histamine Research Society ... [et al.], 61(12), 1395.