

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

SD.BN-Aire^{em1Ang}-/-

RRID:RGD_38599147

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=38599147>

Proper Citation: RRID:RGD_38599147

Description: Rattus norvegicus with name SD.BN-Aire^{em1Ang}-/- from RGD.

Species: Rattus norvegicus

Notes: The BN homozygous Aire mutant rats were derived from founder rats that were backcrossed in a Sprague Dawley (SD; outbred strain) background for six generations to obtain AIRE-deficient SD rats. The original founder were from BN mutants carrying the mutations created by ZFN reagents targeting to a DNA sequence 59-TGCCACCCAGACCCCCACAAAGAGAAGAGCCCTGGAAGAG- 39 in exon 3 of the Aire gene. This mutant carries a 17-bp deletion in the nuclear localization signal sequence, causing a premature stop codon.

Catalog Number: 38599147

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 38599147

Organism Name: SD.BN-Aire^{em1Ang}-/-

Record Creation Time: 20230509T191950+0000

Record Last Update: 20260808T193748+0000

Ratings and Alerts

No rating or validation information has been found for SD.BN-*Aire*^{em1Ang}/-.

No alerts have been found for SD.BN-*Aire*^{em1Ang}/-.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.