

# Resource Summary Report

Generated by ASWG on Jul 29, 2026

## BXSB.129(Cg)-Il21r<sup>tm1Wjl</sup>/DcrJ

RRID:IMSR\_JAX:021568

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:021568

### Organism Information

**URL:** <https://www.jax.org/strain/021568>

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**Description:** Mus musculus with name BXSB.129(Cg)-Il21r<sup>tm1Wjl</sup>/DcrJ from IMSR.

**Species:** Mus musculus

**Synonyms:** BXSB.Yaa Il21r<sup>-/-</sup>. BXSB.Yaa IL-21R<sup>-/-</sup>

**Notes:** gene symbol note: interleukin 21 receptor|accelerated autoimmunity and lymphoproliferation transposition; mutant strain|congenic strain: Il21r<sup>tm1Wjl</sup>/Yaa

**Affected Gene:** interleukin 21 receptor|accelerated autoimmunity and lymphoproliferation transposition

**Genomic Alteration:** targeted mutation 1; Warren J Leonard|accelerated autoimmunity and lymphoproliferation

**Catalog Number:** JAX:021568

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** embryo

**Organism Name:** BXSB.129(Cg)-Il21r<sup>tm1Wjl</sup>/DcrJ

**Record Creation Time:** 20250513T053743+0000

**Record Last Update:** 20260725T044451+0000

### Ratings and Alerts

No rating or validation information has been found for BXSB.129(Cg)-Il21r<sup>tm1Wjl</sup>/DcrJ.

**Warning:** Warning. Researchers have noted that this genotype does not sufficiently model human systemic lupus erythematosus.

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Qi B, et al. (2025) A critical role for IL-21/IL-21 receptor signaling in isoproterenol-induced cardiac remodeling. Scientific reports, 15(1), 18985.

Bao C, et al. (2025) IL-21-dependent Ly6C+Ly6G+CD4+ T cells found in lung enhance macrophages function against Actinobacillus pleuropneumoniae infection in mice. Cell death discovery, 11(1), 440.

Yang S, et al. (2023) IL-21/IL-21R Promotes the Pro-Inflammatory Effects of Macrophages during C. muridarum Respiratory Infection. International journal of molecular sciences, 24(16).