

Resource Summary Report

Generated by [Kravitz](#) on Sep 15, 2026

B6.Cg-Alox15^{tm1.1Nadl}/J

RRID:IMSR_JAX:031835

Type: Organism

Proper Citation

RRID:IMSR_JAX:031835

Organism Information

URL: <https://www.jax.org/strain/031835>

Proper Citation: RRID:IMSR_JAX:031835

Description: Mus musculus with name B6.Cg-Alox15^{tm1.1Nadl}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: arachidonate 15-lipoxygenase; mutant strain|congenic strain: Alox15

Affected Gene: arachidonate 15-lipoxygenase

Genomic Alteration: targeted mutation 1.1; Jerry Nadler

Catalog Number: JAX:031835

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Alox15^{tm1.1Nadl}/J

Record Creation Time: 20250513T053824+0000

Record Last Update: 20260912T060559+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Alox15^{tm1.1Nadl}/J.

No alerts have been found for B6.Cg-Alox15^{tm1.1Nadl}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Kaylan KB, et al. (2025) 12-Lipoxygenase Inhibition Improves Glycemia and Obesity-associated Inflammation in Male Human Gene Replacement Mice. *Endocrinology*, 166(6).

Piñeros AR, et al. (2022) Proinflammatory signaling in islet β cells propagates invasion of pathogenic immune cells in autoimmune diabetes. *Cell reports*, 39(13), 111011.