Resource Summary Report

Generated by ASWG on Jul 29, 2026

NOD.B10Sn-H2^{b}/J

RRID:IMSR_JAX:002591
Type: Organism

Proper Citation

RRID:IMSR_JAX:002591

Organism Information

URL: https://www.jax.org/strain/002591

Proper Citation: RRID:IMSR_JAX:002591

Description: Mus musculus with name NOD.B10Sn-H2^{b}/J from IMSR.

Species: Mus musculus

Synonyms: NOD.B10Sn-H2b/J

Notes: gene symbol note: histocompatibility-2; MHC; mutant strain|major histocompatibility congenic|congenic strain: H2

Affected Gene: histocompatibility-2; MHC

Genomic Alteration: b variant

Catalog Number: JAX:002591

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: NOD.B10Sn-H2^{b}/J

Record Creation Time: 20250513T053633+0000

Record Last Update: 20260725T044340+0000

Ratings and Alerts

No rating or validation information has been found for NOD.B10Sn-H2^{b}/J.

No alerts have been found for NOD.B10Sn-H2^{b}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Bandola-Simon J, et al. (2025) Defective removal of invariant chain peptides from MHC class II suppresses tumor antigen presentation and promotes tumor growth. Cell reports, 44(1), 115150.

Oestereicher MA, et al. (2023) Comprehensive ECG reference intervals in C57BL/6N substrains provide a generalizable guide for cardiac electrophysiology studies in mice. Mammalian genome : official journal of the International Mammalian Genome Society, 34(2), 180.

Delcroix V, et al. (2023) Lacrimal Gland Epithelial Cells Shape Immune Responses through the Modulation of Inflammasomes and Lipid Metabolism. International journal of molecular sciences, 24(5).

Mauduit O, et al. (2022) Spatial transcriptomics of the lacrimal gland features macrophage activity and epithelium metabolism as key alterations during chronic inflammation. Frontiers in immunology, 13, 1011125.

Haque S, et al. (2020) circRNAs expressed in human peripheral blood are associated with human aging phenotypes, cellular senescence and mouse lifespan. GeroScience, 42(1), 183.

Wan X, et al. (2020) The MHC-II peptidome of pancreatic islets identifies key features of autoimmune peptides. Nature immunology, 21(4), 455.

Yip L, et al. (2020) Gene Expression Analysis of the Pre-Diabetic Pancreas to Identify Pathogenic Mechanisms and Biomarkers of Type 1 Diabetes. Frontiers in endocrinology, 11, 609271.

Lin J, et al. (2020) Desensitization using imlifidase and EndoS enables chimerism induction in allosensitized recipient mice. American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons, 20(9), 2356.

Dai YD, et al. (2020) Endogenous retrovirus Gag antigen and its gene variants are unique autoantigens expressed in the pancreatic islets of non-obese diabetic mice. Immunology letters, 223, 62.

Wan X, et al. (2018) Pancreatic islets communicate with lymphoid tissues via exocytosis of insulin peptides. Nature, 560(7716), 107.

Nord C, et al. (2017) Biochemical profiling of diabetes disease progression by multivariate vibrational microspectroscopy of the pancreas. Scientific reports, 7(1), 6646.

Lee BP, et al. (2017) MicroRNAs miR-203-3p, miR-664-3p and miR-708-5p are associated with median strain lifespan in mice. Scientific reports, 7, 44620.

Lee BP, et al. (2016) Changes in the expression of splicing factor transcripts and variations in alternative splicing are associated with lifespan in mice and humans. Aging cell, 15(5), 903.

Yip L, et al. (2015) Inflammation and hyperglycemia mediate Deaf1 splicing in the pancreatic lymph nodes via distinct pathways during type 1 diabetes. Diabetes, 64(2), 604.

Yip L, et al. (2013) Diminished adenosine A1 receptor expression in pancreatic ??-cells may contribute to the pathology of type 1 diabetes. Diabetes, 62(12), 4208.