Resource Summary Report

Generated by NIF on Apr 27, 2025

Sanger Mouse Resources Portal

RRID:SCR_006239
Type: Tool

Proper Citation

Sanger Mouse Resources Portal (RRID:SCR_006239)

Resource Information

URL: http://www.sanger.ac.uk/mouseportal/

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Description: Database of mouse research resources at Sanger: BACs, targeting vectors, targeted ES cells, mutant mouse lines, and phenotypic data generated from the Institute""s primary screen. The Wellcome Trust Sanger Institute generates, characterizes, and uses a variety of reagents for mouse genetics research. It also aims to facilitate the distribution of these resources to the external scientific community. Here, you will find unified access to the different resources available from the Institute or its collaborators. The resources include: 129S7 and C57BL6/J bacterial artificial chromosomes (BACs), MICER gene targeting vectors, knock-out first conditional-ready gene targeting vectors, embryonic stem (ES) cells with gene targeted mutations or with retroviral gene trap insertions, mutant mouse lines, and phenotypic data generated from the Institute""s primary screen.

Abbreviations: Sanger Mouse Portal, WTSI Mouse Resources Portal, WTSI Mouse Resource Portal

Synonyms: Mouse Resources Portal, Wellcome Trust Sanger Institute Mouse Resources Portal

Resource Type: biomaterial supply resource, material resource

Keywords: bacterial artificial chromosome, vector, embryonic stem cell, mutant mouse line, phenotype, gene, knockout, gene expression, genetics, chromosome, mutant, mouse line, mammal, marker symbol

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NCRR 1-U42RR033192;
European Union LSHG-CT-2006-037188;
European Union 227490;
European Union 312325;
European Union 261492

Availability: For the scientific community

Resource Name: Sanger Mouse Resources Portal

Resource ID: SCR_006239

Alternate IDs: nlx_151819

Record Creation Time: 20220129T080235+0000

Record Last Update: 20250426T055844+0000

Ratings and Alerts

No rating or validation information has been found for Sanger Mouse Resources Portal.

No alerts have been found for Sanger Mouse Resources Portal.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Lee KH, et al. (2024) Complimentary vertebrate Wac models exhibit phenotypes relevant to DeSanto-Shinawi Syndrome. bioRxiv : the preprint server for biology.

Wang J, et al. (2024) Loss of TRIM29 mitigates viral myocarditis by attenuating PERK-driven ER stress response in male mice. Nature communications, 15(1), 3481.

Yu GZ, et al. (2024) Loss of RREB1 reduces adipogenesis and improves insulin sensitivity in mouse and human adipocytes. bioRxiv : the preprint server for biology.

Wilken MB, et al. (2023) Tropomyosin 1 deficiency facilitates cell state transitions to enhance hemogenic endothelial cell specification during hematopoiesis. bioRxiv : the preprint server for biology.

Pedrazza L, et al. (2023) HERC1 deficiency causes osteopenia through transcriptional program dysregulation during bone remodeling. Cell death & disease, 14(1), 17.

Barton PR, et al. (2022) Super-killer CTLs are generated by single gene deletion of Bach2. European journal of immunology, 52(11), 1776.

Costello KR, et al. (2021) Sequence features of retrotransposons allow for epigenetic variability. eLife, 10.

Emperador-Melero J, et al. (2021) Intact synapse structure and function after combined knockout of PTP?, PTP?, and LAR. eLife, 10.

Li H, et al. (2021) Novel Role of GPR35 (G-Protein-Coupled Receptor 35) in the Regulation of Endothelial Cell Function and Blood Pressure. Hypertension (Dallas, Tex. : 1979), 78(3), 816.

Guay C, et al. (2020) Loss-of-function of the long non-coding RNA A830019P07Rik in mice does not affect insulin expression and secretion. Scientific reports, 10(1), 6413.

Timilsina U, et al. (2020) SERINC5 Potently Restricts Retrovirus Infection In Vivo. mBio, 11(4).

Ye G, et al. (2020) Nuclear MYH9-induced CTNNB1 transcription, targeted by staurosporin, promotes gastric cancer cell anoikis resistance and metastasis. Theranostics, 10(17), 7545.

Nakagawa T, et al. (2020) The Autism-Related Protein SETD5 Controls Neural Cell Proliferation through Epigenetic Regulation of rDNA Expression. iScience, 23(4), 101030.

Pucino V, et al. (2019) Lactate Buildup at the Site of Chronic Inflammation Promotes Disease by Inducing CD4+ T Cell Metabolic Rewiring. Cell metabolism, 30(6), 1055.

O'Connell AE, et al. (2019) Mammalian Hbs1L deficiency causes congenital anomalies and developmental delay associated with Pelota depletion and 80S monosome accumulation. PLoS genetics, 15(2), e1007917.

Shelkar GP, et al. (2019) Differential effect of NMDA receptor GluN2C and GluN2D subunit ablation on behavior and channel blocker-induced schizophrenia phenotypes. Scientific reports, 9(1), 7572.

Morris JA, et al. (2019) An atlas of genetic influences on osteoporosis in humans and mice. Nature genetics, 51(2), 258.

Gobé C, et al. (2019) Dual role of DMXL2 in olfactory information transmission and the first wave of spermatogenesis. PLoS genetics, 15(2), e1007909.

Tokuo H, et al. (2018) Myosin X is required for efficient melanoblast migration and melanoma initiation and metastasis. Scientific reports, 8(1), 10449.

Ravikrishnan A, et al. (2018) Region-specific Expression of NMDA Receptor GluN2C Subunit in Parvalbumin-Positive Neurons and Astrocytes: Analysis of GluN2C Expression using a Novel Reporter Model. Neuroscience, 380, 49.