

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 3, 2026

BayGenomics

RRID:SCR_008168

Type: Tool

Proper Citation

BayGenomics (RRID:SCR_008168)

Resource Information

URL: <http://baygenomics.ucsf.edu/>

Proper Citation: BayGenomics (RRID:SCR_008168)

Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented August 29, 2016. The BayGenomics gene-trap resource provides researchers with access to thousands of mouse embryonic stem (ES) cell lines harboring characterized insertional mutations in both known and novel genes. The major goal of BayGenomics is to identify genes relevant to cardiovascular and pulmonary disease.

Abbreviations: BayGenomics

Resource Type: biomaterial supply resource, material resource, tissue bank

Keywords: embryonic, expression, gene, bioinformatic, cardiopulmonary, cell, clone, disease, genomic, germline, insertional, line, mouse, mutant, mutation, pulmonary, stem, cardiovascular, pulmonary disease

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: BayGenomics

Resource ID: SCR_008168

Alternate IDs: nif-0000-21042

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260803T040519+0000

Ratings and Alerts

No rating or validation information has been found for BayGenomics.

No alerts have been found for BayGenomics.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 75 mentions in open access literature.

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

Roussa E, et al. (2024) LRBA, a BEACH protein mutated in human immune deficiency, is widely expressed in epithelia, exocrine and endocrine glands, and neurons. Scientific reports, 14(1), 10678.

Wang L, et al. (2024) A novel mouse model carrying a gene trap insertion into the Hmgxb4 gene locus to examine Hmgxb4 expression in vivo. Physiological reports, 12(8), e16014.

Dar MS, et al. (2023) Dnmt3bas coordinates transcriptional induction and alternative exon inclusion to promote catalytically active Dnmt3b expression. Cell reports, 42(6), 112587.

Fernández-Santos B, et al. (2023) The loop-tail mouse model displays open and closed caudal neural tube defects. Disease models & mechanisms, 16(8).

Luperchio TR, et al. (2021) Leveraging the Mendelian disorders of the epigenetic machinery to systematically map functional epigenetic variation. eLife, 10.

Cai Z, et al. (2021) Redox-sensitive enzyme SENP3 mediates vascular remodeling via de-SUMOylation of β -catenin and regulation of its stability. EBioMedicine, 67, 103386.

Wright A, et al. (2021) Lysine methyltransferase 2D regulates muscle fiber size and muscle cell differentiation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 35(11), e21955.

Wang H, et al. (2021) SENP1 modulates microglia-mediated neuroinflammation toward intermittent hypoxia-induced cognitive decline through the de-SUMOylation of NEMO. Journal of cellular and molecular medicine, 25(14), 6841.

Van Veldhoven PP, et al. (2020) Slc25a17 Gene Trapped Mice: PMP34 Plays a Role in the Peroxisomal Degradation of Phytanic and Pristanic Acid. Frontiers in cell and developmental biology, 8, 144.

Pilarowski GO, et al. (2020) Abnormal Peyer patch development and B-cell gut homing drive IgA deficiency in Kabuki syndrome. The Journal of allergy and clinical immunology, 145(3), 982.

Gewehr MCF, et al. (2020) The Relevance of Thimet Oligopeptidase in the Regulation of Energy Metabolism and Diet-Induced Obesity. Biomolecules, 10(2).

Huang G, et al. (2019) Mouse DCUN1D1 (SCCRO) is required for spermatogenetic individualization. PloS one, 14(1), e0209995.

Vecchio E, et al. (2019) IBTK contributes to B-cell lymphomagenesis in E μ -myc transgenic mice conferring resistance to apoptosis. Cell death & disease, 10(4), 320.

D'Alonzo D, et al. (2019) Hectd1 is essential for embryogenesis in mice. Gene expression patterns : GEP, 34, 119064.

Starkova TY, et al. (2019) The Profile of Post-translational Modifications of Histone H1 in Chromatin of Mouse Embryonic Stem Cells. Acta naturae, 11(2), 82.

Coulter ME, et al. (2018) The ESCRT-III Protein CHMP1A Mediates Secretion of Sonic Hedgehog on a Distinctive Subtype of Extracellular Vesicles. Cell reports, 24(4), 973.

Lao Y, et al. (2018) DeSUMOylation of MKK7 kinase by the SUMO2/3 protease SENP3 potentiates lipopolysaccharide-induced inflammatory signaling in macrophages. The Journal of biological chemistry, 293(11), 3965.

Ding M, et al. (2017) Purkinje Cell Degeneration and Motor Coordination Deficits in a New Mouse Model of Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay. Frontiers in molecular neuroscience, 10, 121.

Kurtenbach S, et al. (2017) The BEACH Protein LRBA Promotes the Localization of the Heterotrimeric G-protein Golf to Olfactory Cilia. Scientific reports, 7(1), 8409.

Li S, et al. (2017) Cell-type specific role of the RNA-binding protein, NONO, in the DNA double-strand break response in the mouse testes. DNA repair, 51, 70.