Resource Summary Report

Generated by NIF on Apr 28, 2025

Pathbase

RRID:SCR_006141
Type: Tool

Proper Citation

Pathbase (RRID:SCR_006141)

Resource Information

URL: http://www.pathbase.net/

Proper Citation: Pathbase (RRID:SCR_006141)

Description: Database of histopathology photomicrographs and macroscopic images derived from mutant or genetically manipulated mice. The database currently holds more than 1000 images of lesions from mutant mice and their inbred backgrounds and further images are being added continuously. Images can be retrieved by searching for specific lesions or class of lesion, by genetic locus, or by a wide set of parameters shown on the Advanced Search Interface. Its two key aims are: * To provide a searchable database of histopathology images derived from experimental manipulation of the mouse genome or experiments conducted on genetically manipulated mice. * A reference / didactic resource covering all aspects of mouse pathology Lesions are described according to the Pathbase pathology ontology developed by the Pathbase European Consortium, and are available at the site or on the Gene Ontology Consortium site - OBO. As this is a community resource, they encourage everyone to upload their own images, contribute comments to images and send them their feedback. Please feel free to use any of the SOAP/WSDL web services. (under development)

Abbreviations: Pathbase

Synonyms: Pathbase - European mutant mouse pathology database

Resource Type: software resource, data repository, service resource, image collection, storage service resource, data access protocol, image repository, database, data or information resource, ontology, controlled vocabulary, web service

Defining Citation: PMID:20587689, PMID:15623888, PMID:14681470

Keywords: histopathology, photomicrograph, macroscopic, mutant, genetically manipulated, pathology, transgenic, rodent, mpath ontology, mouse pathology ontology, skinbase, genotype, skin, gene, tissue, hair, mutant mouse strain, bio.tools

Related Condition: Lesion, Mutant mouse strain, Inbred mouse strain

Funding: North American Hair Research Society ;
Ellison Medical Foundation ;
European Union QLRI-1999-00320;
European Union LSHG-CT-2006-037188;
NCI CA089713;
NCRR RR17436;
NIH AR49288

Resource Name: Pathbase

Resource ID: SCR_006141

Alternate IDs: biotools:pathbase, nlx_151637

Alternate URLs: https://bio.tools/pathbase

Record Creation Time: 20220129T080234+0000

Record Last Update: 20250428T053215+0000

Ratings and Alerts

No rating or validation information has been found for Pathbase.

No alerts have been found for Pathbase.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Ruberte J, et al. (2023) Bridging mouse and human anatomies; a knowledge-based approach to comparative anatomy for disease model phenotyping. Mammalian genome : official journal of the International Mammalian Genome Society, 34(3), 389.

, et al. (2019) The Sickle Cell Disease Ontology: enabling universal sickle cell-based knowledge representation. Database : the journal of biological databases and curation, 2019.

Mori H, et al. (2018) Aging Mouse Models Reveal Complex Tumor-Microenvironment Interactions in Cancer Progression. Frontiers in cell and developmental biology, 6, 35.

Schofield PN, et al. (2016) Show and tell: disclosure and data sharing in experimental pathology. Disease models & mechanisms, 9(6), 601.

Grubb SC, et al. (2014) Mouse phenome database. Nucleic acids research, 42(Database issue), D825.

Rice RH, et al. (2012) Differentiating inbred mouse strains from each other and those with single gene mutations using hair proteomics. PloS one, 7(12), e51956.

Sundberg JP, et al. (2011) The mouse as a model for understanding chronic diseases of aging: the histopathologic basis of aging in inbred mice. Pathobiology of aging & age related diseases, 1.

Bard J, et al. (2007) Systems developmental biology: the use of ontologies in annotating models and in identifying gene function within and across species. Mammalian genome : official journal of the International Mammalian Genome Society, 18(6-7), 402.

Gkoutos GV, et al. (2005) Using ontologies to describe mouse phenotypes. Genome biology, 6(1), R8.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.

Smith CL, et al. (2005) The Mammalian Phenotype Ontology as a tool for annotating, analyzing and comparing phenotypic information. Genome biology, 6(1), R7.