

Resource Summary Report

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PathCase Pathways Database System

RRID:SCR_001835

Type: Tool

Proper Citation

PathCase Pathways Database System (RRID:SCR_001835)

Resource Information

URL: <http://nashua.case.edu/PathwaysWeb/Web/>

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Description: An integrated software system for storing, managing, analyzing, and querying biological pathways at different levels of genetic, molecular, biochemical and organismal detail. The system contains a pathways database and associated tools to store, compare, query, and visualize metabolic pathways. The aim is to develop an integrated database and the associated tools to support computational analysis and visualization of biochemical pathways. At the computational level, PathCase allows users to visualize pathways in multiple abstraction levels, and to pose predetermined and ad hoc queries using a graphical user interface. Pathways are represented as graphs, and implemented as a relational database. The available functional annotations include the identity of the substrate(s), product(s), cofactors, activators, inhibitors, enzymes or other processing molecules, GO-categories of enzymes (as well as GO hierarchy visualizations two-way-linked to PathCase enzymes), EC number information and the associated links, and synonyms and encoding genes of gene products.

Synonyms: PathCase - Metabolic Pathway Database System, PathCase

Resource Type: data storage software, service resource, data analysis service, database, data visualization software, data analysis software, analysis service resource, software resource, software application, production service resource, data processing software, data or information resource

Defining Citation: [PMID:18728044](#)

Keywords: pathway analysis software, pathway analysis, pathway, metabolic, systems function, behavior, visualize pathway, web interface, integrated

Funding: NSF DBI 0218061;
NSF DBI 0743705;
NSF DBI 0849956;

NSF CRI 0551603;
NIH GM088823

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: PathCase Pathways Database System

Resource ID: SCR_001835

Alternate IDs: nif-0000-20885, SCR_002104, nif-0000-10398

Alternate URLs: <http://nashua.cwru.edu/pathways/>

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260728T043121+0000

Ratings and Alerts

No rating or validation information has been found for PathCase Pathways Database System.

No alerts have been found for PathCase Pathways Database System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.