

Resource Summary Report

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Pathline

RRID:SCR_000635

Type: Tool

Proper Citation

Pathline (RRID:SCR_000635)

Resource Information

URL: <http://www.cs.utah.edu/~miriah/pathline/Overview.html>

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Description: Software visualization tool for comparative functional genomics that supports analysis of three types of biological data at once: functional data such as gene activity measurements; pathway data that presents a series of reactions within a cellular process; and phylogenetic data describing ancestral relationships between species. The design of Pathline includes two new visual encoding techniques. The first is an encoding of a linearized metabolic pathway representation that provides appropriate topological information and supports the comparison of quantitative data along the pathway. The second is a curvemap, a matrix layout of temporal expression data for enhanced perception of trends in gene and cell activity levels across multiple species.

Abbreviations: Pathline

Synonyms: Pathline: A Tool For Comparative Genomics

Resource Type: data processing software, data analysis software, data visualization software, software resource, software application

Keywords: comparative functional genomics, functional data analysis, gene activity measurements, pathway data analysis, phylogenetic data analysis, ancestral relationships between species,

Funding: NSF 0937060

Resource Name: Pathline

Resource ID: SCR_000635

Alternate IDs: nlx_151898

Record Creation Time: 20220129T080202+0000

Record Last Update: 20260731T042600+0000

Ratings and Alerts

No rating or validation information has been found for Pathline.

No alerts have been found for Pathline.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.