

# Resource Summary Report

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## Pathline

RRID:SCR\_000635

Type: Tool

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### Proper Citation

Pathline (RRID:SCR\_000635)

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### 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 visualization software, software application, data analysis software, software resource, data processing software

**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:** 20250409T060019+0000

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## Ratings and Alerts

No rating or validation information has been found for Pathline.

No alerts have been found for Pathline.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.