

Resource Summary Report

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PathVisio

RRID:SCR_023789

Type: Tool

Proper Citation

PathVisio (RRID:SCR_023789)

Resource Information

URL: <https://pathvisio.org/>

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Description: Software visualization tool for biological pathways. Pathway analysis and drawing software which allows drawing, editing, and analyzing biological pathways. Developed in Java and can be extended with plugins.

Synonyms: PathVisio 3

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

Defining Citation: [PMID:25706687](#), [PMID:18817533](#)

Keywords: biological pathway editor, pathway editor, visualization and analysis, extendable pathway analysis,

Funding: NIGMS R01 GM100039;
Netherlands Consortium for Systems Biology ;
NIGMS GM080223;
NHGRI HG003053;
Transnational University Limburg

Availability: Free, Available for download, Freely available

Resource Name: PathVisio

Resource ID: SCR_023789

License: Apache 2.0

Record Creation Time: 20230714T050221+0000

Record Last Update: 20260731T043134+0000

Ratings and Alerts

No rating or validation information has been found for PathVisio .

No alerts have been found for PathVisio .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Safari M, et al. (2026) Comprehensive genomic analysis of a novel *Bacillus cereus* decomposing toluene potentially applicable in bioremediation. *Microbiology spectrum*, 14(1), e0289224.

Palollathil A, et al. (2025) The network map of mucin 1 mediated signaling in cancer progression and immune modulation. *Discover oncology*, 16(1), 1404.

Hyeon H, et al. (2024) Metabolomics Reveals Rubiadin Accumulation and the Effects of Methyl Jasmonate Elicitation in *Damnacanthus major* Calli. *Plants (Basel, Switzerland)*, 13(2).

Nozu R, et al. (2024) Meta-analysis of gonadal transcriptome provides novel insights into sex change mechanism across protogynous fishes. *Genes to cells : devoted to molecular & cellular mechanisms*, 29(11), 1052.

Newsham I, et al. (2024) Early detection and diagnosis of cancer with interpretable machine learning to uncover cancer-specific DNA methylation patterns. *Biology methods & protocols*, 9(1), bpae028.

Aggarwal S, et al. (2023) Stoichiometric balance ratio of cellobiose and gentiobiose induces cellulase production in *Talaromyces cellulolyticus*. *Biotechnology for biofuels and bioproducts*, 16(1), 48.

Magalhaes J, et al. (2021) PIAS2-mediated blockade of IFN- γ signaling: a basis for sporadic Parkinson disease dementia. *Molecular psychiatry*, 26(10), 6083.

Tareen SHK, et al. (2020) Stratifying cellular metabolism during weight loss: an interplay of metabolism, metabolic flexibility and inflammation. *Scientific reports*, 10(1), 1651.

Min K, et al. (2020) Comparative transcriptome and metabolome analyses of two strawberry cultivars with different storability. *PloS one*, 15(12), e0242556.

Grimberg Å, et al. (2020) Transitions in wheat endosperm metabolism upon transcriptional induction of oil accumulation by oat endosperm WRINKLED1. *BMC plant biology*, 20(1),

Zhang D, et al. (2020) Wolbachia limits pathogen infections through induction of host innate immune responses. *PloS one*, 15(2), e0226736.

Ahmed F, et al. (2020) A Network-Based Analysis Reveals the Mechanism Underlying Vitamin D in Suppressing Cytokine Storm and Virus in SARS-CoV-2 Infection. *Frontiers in immunology*, 11, 590459.

Safari M, et al. (2019) Comprehensive genomic analysis of an indigenous *Pseudomonas pseudoalcaligenes* degrading phenolic compounds. *Scientific reports*, 9(1), 12736.

Kawamura G, et al. (2018) Cooperative interaction among BMAL1, HSF1, and p53 protects mammalian cells from UV stress. *Communications biology*, 1, 204.

Bekker-Jensen DB, et al. (2017) An Optimized Shotgun Strategy for the Rapid Generation of Comprehensive Human Proteomes. *Cell systems*, 4(6), 587.

Shariati J V, et al. (2017) Comprehensive genomic analysis of a plant growth-promoting rhizobacterium *Pantoea agglomerans* strain P5. *Scientific reports*, 7(1), 15610.

Nalos M, et al. (2016) Transcriptional reprogramming of metabolic pathways in critically ill patients. *Intensive care medicine experimental*, 4(1), 21.

Kao CH, et al. (2016) Identification of Potential Anticancer Activities of Novel *Ganoderma lucidum* Extracts Using Gene Expression and Pathway Network Analysis. *Genomics insights*, 9, 1.

McKay JA, et al. (2016) Organ-Specific Gene Expression Changes in the Fetal Liver and Placenta in Response to Maternal Folate Depletion. *Nutrients*, 8(10).

Shuto T, et al. (2016) Pharmacological and genetic reappraisals of protease and oxidative stress pathways in a mouse model of obstructive lung diseases. *Scientific reports*, 6, 39305.