Resource Summary Report

Generated by dkNET on Apr 25, 2025

Pathview

RRID:SCR_002732
Type: Tool

Proper Citation

Pathview (RRID:SCR_002732)

Resource Information

URL: http://www.bioconductor.org/packages/release/bioc/html/pathview.html

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Description: A tool set for pathway-based data integration and visualization. It maps and renders a wide variety of biological data on relevant pathway graphs. All users need is to supply their data and specify the target pathway. Pathview automatically downloads the pathway graph data, parses the data file, maps user data to the pathway, and render pathway graph with the mapped data. In addition, Pathview also seamlessly integrates with pathway and gene set (enrichment) analysis tools for large-scale and fully automated analysis.

Synonyms: path view

Resource Type: software resource

Defining Citation: PMID:23740750

Keywords: software package, r, differential expression, gene expression, gene set enrichment, genetics, graph, network, metabolomics, microarray, pathway, proteomics, rna-seq, sequencing, systems biology, visualization, bio.tools

Funding:

Availability: GNU General Public License, v3 or greater

Resource Name: Pathview

Resource ID: SCR_002732

Alternate IDs: biotools:pathview, OMICS_05212

Alternate URLs: http://pathview.r-forge.r-project.org/, https://bio.tools/pathview

Record Creation Time: 20220129T080215+0000

Record Last Update: 20250420T014119+0000

Ratings and Alerts

No rating or validation information has been found for Pathview.

No alerts have been found for Pathview.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 453 mentions in open access literature.

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

Lim B, et al. (2025) Cell deconvolution-based integrated time-series network of whole blood transcriptome reveals systemic antiviral activities and cell-specific immunological changes against PRRSV infection. Veterinary research, 56(1), 19.

Liu X, et al. (2025) Transcriptomic Insights into Dual Temperature-Salinity Stress Response in "Shuike No. 1", a Pioneering Rainbow Trout Strain Bred in China. Biology, 14(1).

Wen D, et al. (2025) Screening of necroptosis-related genes and evaluating the prognostic capacity, clinical value, and the effect of their copy number variations in acute myeloid leukemia. BMC cancer, 25(1), 71.

Holmlund I, et al. (2025) Effect of eicosapentaenoic acid on innate immune responses in Atlantic salmon cells infected with infectious salmon anemia virus. Virology journal, 22(1), 5.

Pleguezuelos-Manzano C, et al. (2025) Dual RNA sequencing of a co-culture model of Pseudomonas aeruginosa and human 2D upper airway organoids. Scientific reports, 15(1), 2222.

Thai A, et al. (2025) Single cell transcriptomics profiling of the stromal cells in the pathologic association of ribosomal proteins in the ischemic myocardium and epicardial fat. Cell and tissue research, 399(2), 173.

Li F, et al. (2025) Phosphoproteomics profiling of sorafenib-resistant hepatocellular carcinoma patient-derived xenografts reveals potential therapeutic strategies. iScience, 28(1), 111657.

Nshanian M, et al. (2025) Short-chain fatty acid metabolites propionate and butyrate are unique epigenetic regulatory elements linking diet, metabolism and gene expression. Nature metabolism, 7(1), 196.

Wani TU, et al. (2025) Mechanistic insights into epithelial-mesenchymal transition mediated cisplatin resistance in ovarian cancer. Scientific reports, 15(1), 3053.

Wang Y, et al. (2025) Pro-resolving lipid mediator reduces amyloid-?42-induced gene expression in human monocyte-derived microglia. Neural regeneration research, 20(3), 873.

Valyaeva AA, et al. (2025) Compensatory reactions of B cells in response to chronic HIV-1 Tat exposure. Journal of cellular physiology, 240(1), e31459.

Dou Z, et al. (2025) Exploring the mechanism of Schisandra rubriflora in the treatment of polycystic ovary syndrome based on network pharmacology and molecular docking. Journal of ovarian research, 18(1), 16.

Arikan M, et al. (2024) gNOMO2: a comprehensive and modular pipeline for integrated multi-omics analyses of microbiomes. GigaScience, 13.

Roodnat AW, et al. (2024) Genome-wide RNA sequencing of ocular fibroblasts from glaucomatous and normal eyes: Implications for glaucoma management. PloS one, 19(7), e0307227.

Sankar AP, et al. (2024) Antibody-Drug Conjugate ?EGFR-E-P125A Reduces Triple-negative Breast Cancer Vasculogenic Mimicry, Motility, and Metastasis through Inhibition of EGFR, Integrin, and FAK/STAT3 Signaling. Cancer research communications, 4(3), 738.

Watral J, et al. (2024) Comprehensive proteomics of monocytes indicates oxidative imbalance functionally related to inflammatory response in chronic kidney disease-related atherosclerosis. Frontiers in molecular biosciences, 11, 1229648.

Yasmin F, et al. (2024) Genetic basis and selection of glyceollin elicitation in wild soybean. Frontiers in plant science, 15, 1240981.

Yang Y, et al. (2024) Bioinformatics-driven identification and validation of diagnostic biomarkers for cerebral ischemia reperfusion injury. Heliyon, 10(7), e28565.

Tsoulia T, et al. (2024) Transcriptomics of early responses to purified Piscine orthoreovirus-1 in Atlantic salmon (Salmo salar L.) red blood cells compared to non-susceptible cell lines. Frontiers in immunology, 15, 1359552.

Li T, et al. (2024) Combined proteomics and metabolomics analysis reveal the effect of a training course on the immune function of Chinese elite short-track speed skaters. Immunity, inflammation and disease, 12(10), e70030.