Resource Summary Report

Generated by NIF on May 25, 2025

ropls

RRID:SCR 016888

Type: Tool

Proper Citation

ropls (RRID:SCR_016888)

Resource Information

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

Proper Citation: ropls (RRID:SCR_016888)

Description: Software R package for multivariate analysis and feature selection of omics data. Used for visualization, regression, classification, and feature selection of omics data where the number of variables exceeds the number of samples and with multicollinearity among variables.

Abbreviations: R OPLS

Synonyms: R Orthogonal Partial Least Squares

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

software application

Keywords: multivariate, analysis, feature, selection, omics, data, visualization, regression, classification, variable, exceedes, number, sample, multicollinearity, bio.tools

Funding:

Availability: Free, Available for download, Freely available

Resource Name: ropls

Resource ID: SCR 016888

Alternate IDs: BioTools:ropls, biotools:ropls

Alternate URLs: https://bio.tools/ropls, https://bio.tools/ropls, https://bio.tools/ropls

Record Creation Time: 20220129T080332+0000

Record Last Update: 20250525T031457+0000

Ratings and Alerts

No rating or validation information has been found for ropls.

No alerts have been found for ropls.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Khan S, et al. (2024) Coal-straw co-digestion-induced biogenic methane production: perspectives on microbial communities and associated metabolic pathways. Scientific reports, 14(1), 26554.

Sun C, et al. (2024) Harnessing biosynthesized selenium nanoparticles for recruitment of beneficial soil microbes to plant roots. Cell host & microbe, 32(12), 2148.

Borgmästars E, et al. (2024) Metabolomics for early pancreatic cancer detection in plasma samples from a Swedish prospective population-based biobank. Journal of gastrointestinal oncology, 15(2), 755.

Larkin JR, et al. (2022) Metabolomic Biomarkers in Blood Samples Identify Cancers in a Mixed Population of Patients with Nonspecific Symptoms. Clinical cancer research: an official journal of the American Association for Cancer Research, 28(8), 1651.

Houël E, et al. (2022) Treating leishmaniasis in Amazonia, part 2: Multi-target evaluation of widely used plants to understand medicinal practices. Journal of ethnopharmacology, 289, 115054.

Duraiswamy J, et al. (2021) Myeloid antigen-presenting cell niches sustain antitumor T cells and license PD-1 blockade via CD28 costimulation. Cancer cell, 39(12), 1623.

Zhang S, et al. (2020) Ethylicin Prevents Potato Late Blight by Disrupting Protein Biosynthesis of Phytophthora infestans. Pathogens (Basel, Switzerland), 9(4).

Baardman J, et al. (2018) A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. Cell reports, 25(8), 2044.