

Resource Summary Report

Generated by SPARC SAWG on Sep 14, 2026

mixOmics

RRID:SCR_016889

Type: Tool

Proper Citation

mixOmics (RRID:SCR_016889)

Resource Information

URL: <http://mixomics.org/access/>

Proper Citation: mixOmics (RRID:SCR_016889)

Description: Software R package of multivariate methods for the exploration and integration of biological datasets with a focus on variable selection. Used to analyse data from high throughput sequencing technologies and spectral imaging., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

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

Keywords: multivariate, exploration, integration, biological, dataset, variable, selection, analysis, data, high, throughput, sequencing, technology, spectral, imaging

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: mixOmics

Resource ID: SCR_016889

License: GNU Public License

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260912T195845+0000

Ratings and Alerts

No rating or validation information has been found for mixOmics.

No alerts have been found for mixOmics.

Data and Source Information

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

Anagho-Mattanovich M, et al. (2026) Protocol for integrating and interpreting multi-omics data combining unsupervised and supervised data integrating approaches. STAR protocols, 7(2), 104534.

Li J, et al. (2026) Untargeted metabolomics and proteomics reveals cocoa-mediated mitigation of valproic acid-induced dysregulation in a zebrafish model of autism: pilot study. Metabolomics : Official journal of the Metabolomic Society, 22(4).

Cao T, et al. (2026) Astrocyte-microglia crosstalk via CSF1 and IFN- γ promotes central nervous system repair. Cell reports, 45(6), 117418.

Paulino S, et al. (2025) Drivers of seasonal dynamics in *Ulva* spp. associated microbiota and surface metabolome: The interplay between environment and host physiology. Current research in microbial sciences, 9, 100439.

Heath H, et al. (2025) Multiomic Analysis Links Neighborhood Disadvantage to Inflammatory Proteins and Tumorigenic Markers in ER+ Breast Cancer Plasma and Tumor Samples. Journal of proteome research.

Luo B, et al. (2025) Resveratrol amplifies the anti-tumor effect of γ -PD-1 by altering the intestinal microbiome and PGD2 content. Gut microbes, 17(1), 2447821.

Jousse C, et al. (2025) Identification of a specific set of genes predicting obesity before phenotype appearance. iScience, 28(5), 112377.

Lai KO, et al. (2025) Age-Dependent Regulation of Hippocampal Inflammation by the Mitochondrial Translocator Protein in Mice. Aging cell, 24(6), e70039.

Zuccoli E, et al. (2025) Reproducibility of PD patient-specific midbrain organoid data for in vitro disease modeling. iScience, 28(10), 113541.

Grätz C, et al. (2025) Extracellular vesicle-associated transcriptomic and proteomic biomarkers show in vitro potential for vandetanib treatment monitoring in anaplastic thyroid cancer. Scientific reports, 15(1), 32464.

Huffmyer AS, et al. (2025) Shifts and critical periods in coral metabolism reveal energetic vulnerability during development. Current biology : CB, 35(12), 2858.

Anagho-Mattanovich M, et al. (2025) Multi-omics analysis of thermogenic lipolysis in brown adipocytes. iScience, 28(9), 113382.

Sternes PR, et al. (2024) The biogeography of the mucosa-associated microbiome in health and disease. Frontiers in microbiology, 15, 1454910.

Huang Y, et al. (2024) Analysis of differences in intestinal flora associated with different BMI status in colorectal cancer patients. *Journal of translational medicine*, 22(1), 142.

Vrieling F, et al. (2024) CENCAT enables immunometabolic profiling by measuring protein synthesis via bioorthogonal noncanonical amino acid tagging. *Cell reports methods*, 4(10), 100883.

Tammaro A, et al. (2024) HDAC1/2 inhibitor therapy improves multiple organ systems in aged mice. *iScience*, 27(1), 108681.

Clarke E, et al. (2024) Proteome and phospholipidome interrelationship of synovial fluid-derived extracellular vesicles in equine osteoarthritis: An exploratory 'multi-omics' study to identify composite biomarkers. *Biochemistry and biophysics reports*, 37, 101635.

Borgmästars E, et al. (2024) Multi-omics profiling to identify early plasma biomarkers in pre-diagnostic pancreatic ductal adenocarcinoma: a nested case-control study. *Translational oncology*, 48, 102059.

Deschamps C, et al. (2024) Large intestinal nutritional and physicochemical parameters from different dog sizes reshape canine microbiota structure and functions in vitro. *Bioengineered*, 15(1), 2325713.

Braun T, et al. (2024) Diet-omics in the Study of Urban and Rural Crohn disease Evolution (SOURCE) cohort. *Nature communications*, 15(1), 3764.