

Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 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 processing software, data analysis 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: 20260801T042802+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 58 mentions in open access literature.

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

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

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*.

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

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.

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

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

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

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.

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

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.

Tomisova K, et al. (2024) Mutual Interactions of Silymarin and Colon Microbiota in Healthy Young and Healthy Elder Subjects. *Molecular nutrition & food research*, 68(22), e2400500.

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.

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.

Wei J, et al. (2024) Abnormal functional connectivity within the prefrontal cortex is associated with multiple plasma lipid species in major depressive disorder. *Journal of affective disorders*, 350, 713.

Yu Z, et al. (2024) Thermal facial image analyses reveal quantitative hallmarks of aging and metabolic diseases. *Cell metabolism*, 36(7), 1482.