

Resource Summary Report

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MetaboLights

RRID:SCR_014663

Type: Tool

Proper Citation

MetaboLights (RRID:SCR_014663)

Resource Information

URL: <https://www.ebi.ac.uk/metabolights/>

Proper Citation: MetaboLights (RRID:SCR_014663)

Description: A cross-species, cross-technique database for metabolomics experiments, data, and derived information. It includes metabolite structures and their reference spectra, their biological roles, locations and concentrations, and experimental data from metabolic experiments.

Synonyms: MetaboLights

Resource Type: service resource, data repository, data or information resource, database, storage service resource

Keywords: metabolomics, database, structure, spectra, experimental data

Funding: BBSRC BB/L024152/1

Availability: Publicly available, The community can contribute to this resource

Resource Name: MetaboLights

Resource ID: SCR_014663

Alternate IDs: r3d100011556

License URLs: <https://www.ebi.ac.uk/about/terms-of-use>

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260731T042922+0000

Ratings and Alerts

No rating or validation information has been found for MetaboLights.

No alerts have been found for MetaboLights.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 741 mentions in open access literature.

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

Chang H, et al. (2026) The regulation of AsfR on tmRNA expression mediates bacterial motility and virulence in *Aeromonas veronii*. *Virulence*, 17(1), 2602247.

Zhang P, et al. (2025) Systems analysis of long-term heat stress responses in the C4 grass *Setaria viridis*. *The Plant cell*, 37(4).

Yang M, et al. (2025) S100P is a ferroptosis suppressor to facilitate hepatocellular carcinoma development by rewiring lipid metabolism. *Nature communications*, 16(1), 509.

Sacchettino L, et al. (2025) Altered microbiome and metabolome profiling in fearful companion dogs: An exploratory study. *PloS one*, 20(1), e0315374.

Nobert S, et al. (2025) Assessing metal-induced glycation in French fries. *Metallomics : integrated biometal science*, 17(1).

Schnizlein MK, et al. (2025) Non-redundant cardiolipin synthases shape membrane composition and support stress resilience in *Bacteroides fragilis*. *bioRxiv : the preprint server for biology*.

Xie X, et al. (2025) Induction of Resistance Against *Sclerotinia sclerotiorum* in Rapeseed by ??-Ocimene Through Enhanced Production of Coniferyl Aldehyde. *International journal of molecular sciences*, 26(12).

Wang Y, et al. (2025) Notch2 Signaling Drives Cardiac Hypertrophy by Suppressing Purine Nucleotide Metabolism. *Research (Washington, D.C.)*, 8, 0635.

Britton SJ, et al. (2025) Quorum sensing in *Saccharomyces cerevisiae* brewing strains: effects of 2-phenylethanol on proteomic, lipidomic, and metabolomic profile. *FEMS yeast research*, 25.

Marino C, et al. (2025) 1H-NMR-based metabolomics identifies disrupted betaine metabolism as distinct serum signature of pre-frailty. *npj aging*, 11(1), 26.

Kim YR, et al. (2025) Deciphering the anti-obesity mechanisms of pharmabiotic probiotics through advanced multiomics analysis. *iScience*, 28(2), 111890.

Feng X, et al. (2025) Untargeted urine metabolomics reveals dynamic metabolic differences and key biomarkers across different stages of Alzheimer's disease. *Frontiers in aging neuroscience*, 17, 1530046.

Wissel EF, et al. (2025) Microbial metabolites associated in stool and left ventricle of heart failure patients revealed by meta-analysis. *Scientific reports*, 15(1), 14576.

Makhumbila P, et al. (2025) Exploring associations between metabolites and gene transcripts of common bean (*Phaseolus vulgaris* L.) in response to rust (*Uromyces appendiculatus*) infection. *BMC plant biology*, 25(1), 568.

Xu P, et al. (2025) Nontargeted metabolomics uncovering metabolite signatures in glioblastoma: a preliminary study on candidate biomarker discovery for IDH subtyping and survival prediction. *Frontiers in oncology*, 15, 1568040.

Zuffa S, et al. (2025) Milk phospholipid-coated lipid droplets modulate the infant gut microbiota and metabolome influencing weight gain. *Microbiome*, 13(1), 120.

Qin W, et al. (2025) Metabolic reallocation in soybeans under shade stress alters phenylpropanoid profiles with implications for stress adaptation and seed composition. *BMC plant biology*, 25(1), 870.

Zheng N, et al. (2025) Characterization of the gut mycobiome in patients with non-alcoholic fatty liver disease and correlations with serum metabolome. *BMC microbiology*, 25(1), 660.

Li J, et al. (2025) Machine learning and data-driven inverse modeling of metabolomics unveil key processes of active aging. *NPJ systems biology and applications*, 11(1), 103.

Borman T, et al. (2025) HoloFoodR: a statistical programming framework for holo-omics data integration workflows. *Bioinformatics (Oxford, England)*, 41(11).