

Resource Summary Report

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microbeMASST

RRID:SCR_024713

Type: Tool

Proper Citation

microbeMASST (RRID:SCR_024713)

Resource Information

URL: <https://masst.gnps2.org/microbemasst/>

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Description: Web taxonomically informed mass spectrometry search tool, tackles limited microbial metabolite annotation in untargeted metabolomics experiments. Leveraging database of over 60,000 microbial monocultures, users can search known and unknown MS/MS spectra and link them to their respective microbial producers via MS/MS fragmentation patterns.

Resource Type: data access protocol, software resource, web service

Defining Citation: [PMID:37577622](#)

Keywords: Identification of microbial derived metabolites, microbial metabolomics data, microbial metabolite annotation, taxonomy, mass spectrometry search tool, searching tool, bacteria, fungi, metabolomics, microbiome, search known and unknown MS/MS spectra,

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NIGMS 1DP2GM137413;
NIGMS 1R01GM132649;
NIGMS R01GM107550;
NIGMS R35GM142938;
NIH Office of the Director S10 OD021750;
NLM 1R01LM013115;

NSF ;
Research Council of Norway ;
Sao Paulo Research Foundation

Availability: Free, Freely available,

Resource Name: microbeMASST

Resource ID: SCR_024713

Record Creation Time: 20231118T050237+0000

Record Last Update: 20260912T200050+0000

Ratings and Alerts

No rating or validation information has been found for microbeMASST.

No alerts have been found for microbeMASST.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Kvitne KE, et al. (2025) Fecal microbial and metabolic signatures in children with very early onset inflammatory bowel disease. NPJ biofilms and microbiomes, 12(1), 33.

Lamichhane S, et al. (2025) Microbiome-derived bile acid signatures in early life and their association with islet autoimmunity. Nature communications, 17(1), 38.

Kvitne KE, et al. (2025) Environmental and Maternal Imprints on Infant Gut Metabolic Programming. bioRxiv : the preprint server for biology.

Lamichhane S, et al. (2025) Trajectories of microbiome-derived bile acids in early life - insights into the progression to islet autoimmunity. medRxiv : the preprint server for health sciences.

Procházková N, et al. (2024) Gut physiology and environment explain variations in human gut microbiome composition and metabolism. Nature microbiology, 9(12), 3210.

Zuffa S, et al. (2024) microbeMASST: a taxonomically informed mass spectrometry search tool for microbial metabolomics data. Nature microbiology, 9(2), 336.

Nothias L-F, et al. (2024) Functional metabolomics of the human scalp: a metabolic niche for Staphylococcus epidermidis. mSystems, 9(2), e0035623.