

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

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: software resource, data access protocol, 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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NIA U19AG063744;
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NIGMS R01GM107550;
NSF ;
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NIAID R01AI167860;
NIDDK T32DK007202;
NIGMS 1R01GM132649;
NIGMS R35GM142938;

NIDDK U01DK119702;
NIH Office of the Director S10 OD021750;
NLM 1R01LM013115

Availability: Free, Freely available,

Resource Name: microbeMASST

Resource ID: SCR_024713

Record Creation Time: 20231118T050237+0000

Record Last Update: 20260729T044609+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 6 mentions in open access literature.

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

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

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.

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

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.