

Resource Summary Report

Generated by [RRID](#) on Aug 15, 2026

[micom](#)

RRID:SCR_027982

Type: Tool

Proper Citation

micom (RRID:SCR_027982)

Resource Information

URL: <https://github.com/micom-dev/micom>

Proper Citation: micom (RRID:SCR_027982)

Description: Software Python package to study microbial communities using metabolic modeling. Metagenome-scale modeling to infer metabolic interactions in the gut microbiota.

Resource Type: software toolkit, source code, software resource

Defining Citation: [PMID:31964767](#)

Keywords: Metagenome-Scale Modeling, infer Metabolic Interactions, Gut Microbiota, microbial communities using metabolic modeling,

Funding: National Institute of Genomic Medicine

Availability: Free, Available for download, Freely available

Resource Name: micom

Resource ID: SCR_027982

License: Apache-2.0 license

Record Creation Time: 20260218T060348+0000

Record Last Update: 20260815T183306+0000

Ratings and Alerts

No rating or validation information has been found for micom.

No alerts have been found for micom.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Mofidifar S, et al. (2025) Reducing redundancy and enhancing accuracy through a phylogenetically-informed microbial community metabolic modeling approach. *Bioinformatics* (Oxford, England), 41(7).

Nguyen HD, et al. (2025) Disrupted microbial cross-feeding and altered L-phenylalanine consumption in people living with HIV. *Briefings in bioinformatics*, 26(2).

Qian Y, et al. (2025) A data-driven modeling framework for mapping genotypes to synthetic microbial community functions. *bioRxiv* : the preprint server for biology.

Vezina B, et al. (2025) A metabolic atlas of the *Klebsiella pneumoniae* species complex reveals lineage-specific metabolism and capacity for intra-species co-operation. *PLoS biology*, 23(12), e3003559.

Al-Nijir M, et al. (2024) Metabolic modelling uncovers the complex interplay between fungal probiotics, poultry microbiomes, and diet. *Microbiome*, 12(1), 267.