

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

[QIIME](#)

RRID:SCR_008249

Type: Tool

Proper Citation

QIIME (RRID:SCR_008249)

Resource Information

URL: <http://qiime.org/>

Proper Citation: QIIME (RRID:SCR_008249)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on February 23, 2023. Software package for comparison and analysis of microbial communities, primarily based on high-throughput amplicon sequencing data, but also supporting analysis of other types of data. QIIME analyzes and transforms raw sequencing data generated on Illumina or other platforms to publication quality graphics and statistics.

Synonyms: Quantitative Insights Into Microbial Ecology

Resource Type: data analysis software, software resource, software application, data processing software

Defining Citation: [DOI:10.1038/nmeth.f.303](https://doi.org/10.1038/nmeth.f.303)

Keywords: microbiome, microbial community, sequence data, data analysis software, bio.tools

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: QIIME

Resource ID: SCR_008249

Alternate IDs: OMICS_01118, SCR_011948, OMICS_01521, biotools:qiime

Alternate URLs: <https://bio.tools/qiime>

Record Creation Time: 20220129T080246+0000

Record Last Update: 20260810T040452+0000

Ratings and Alerts

No rating or validation information has been found for QIIME.

No alerts have been found for QIIME.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11177 mentions in open access literature.

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

Yin S, et al. (2026) Association of Intratumoral Microbiota with Prognosis in Head and Neck Squamous Cell Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(9), 1799.

Lobel L, et al. (2026) Dietary sulfur amino acids enhance anti-tumor immunity in colon cancer via an NKT cell-XCL1-cDC1 circuit. *Immunity*, 59(6), 1708.

Hill K, et al. (2026) Impact of a GABA-Producing *Lactococcus lactis* on Microbiota and Mycobiota During CNS Inflammatory Demyelination. *FASEB bioAdvances*, 8(1), e70085.

Bu F, et al. (2026) *Akkermansia muciniphila* alleviates experimental colitis through FXR-mediated repression of unspliced XBP1. *mSystems*, 11(2), e0158925.

Mao H, et al. (2026) B3GNT8-mediated glycosylation maintains intestinal homeostasis and protects against colitis. *The Journal of biological chemistry*, 302(2), 111014.

Tang D, et al. (2026) Do soil microbes regulate citrus fruit quality through soil nutrient availability? *Frontiers in plant science*, 17, 1778663.

Gubatan J, et al. (2026) Multi-omics reveal vitamin D regulation of immune-gut microbiome interactions and tolerogenic pathways in inflammatory bowel disease. *Cell reports. Medicine*, 7(4), 102703.

Yan W, et al. (2026) OTOP2 proton channel couples luminal pH sensing to intestinal immune homeostasis. *The Journal of biological chemistry*, 302(6), 113105.

Wang F, et al. (2026) Potential value of oral *Mogibacterium* in major depressive disorder. *Frontiers in cellular and infection microbiology*, 16, 1816685.

Xue F, et al. (2026) Metagenomic Insights into the Modulatory Effects of Thiamine Supplementation for Treating Subclinical Ketosis Dairy Cows. *Animals : an open access journal from MDPI*, 16(4).

Pan N, et al. (2026) Supplementary filling seedlings in secondary *Pinus massoniana* forests changed the structure of soil bacterial communities. *Scientific reports*, 16(1).

Chen D, et al. (2026) Integrated analysis of gut microbiota structure and metabolic function in patients with cirrhosis and refractory ascites. *Biomedical reports*, 24(2), 28.

Yu Y, et al. (2026) *Perilla frutescens* seeds enhance lamb immunity and antioxidant capacity via the microbiota-gut-liver-muscle axis. *Journal of animal science and biotechnology*, 17(1), 1.

Chen J, et al. (2026) Rumen-Protected Glucose Supplementation Enhances Yak Calf Growth Through Gut Microbiota-Metabolic Interactions. *Animals : an open access journal from MDPI*, 16(4).

Wang G, et al. (2026) Effects of tacrolimus treatment on the gut microbiota and metabolites in liver transplant recipients. *PloS one*, 21(2), e0343817.

Chong Q, et al. (2026) Systematic evaluation of phage cocktail-ciprofloxacin combination therapy against multidrug-resistant *Salmonella Typhimurium* induced gut dysbiosis. *Microbiology spectrum*, 14(5), e0264025.

Liu L, et al. (2026) Restoring low-fiber diets-induced *Lachnospiraceae* bacterium loss partially recovers fiber digestion and immune function in mammals. *Current research in food science*, 12, 101401.

Zhang X, et al. (2026) Microbiome-Metabolome Axis in BALF Reveals Novel Diagnostic Biomarkers for Congenital Heart Disease-Associated Pulmonary Arterial Hypertension. *Journal of cardiovascular development and disease*, 13(1).

Zhang J, et al. (2026) Warming-induced unstable microbial community metabolically lowers straw-carbon sequestration in paddy soils. *Journal of advanced research*, 82, 33.

Anggraeni AS, et al. (2026) Impact of chitosan supplementation on metabolomic profiles and microbial community dynamics in total mixed ration silage and rumen fluid. *Animal bioscience*, 39(3), 250178.