Resource Summary Report

Generated by kravitz2 on Jul 31, 2026

mothur

RRID:SCR_011947
Type: Tool

Proper Citation

mothur (RRID:SCR_011947)

Resource Information

URL: http://www.mothur.org/

Proper Citation: mothur (RRID:SCR_011947)

Description: An open-source software package for describing and comparing microbial communities. It incorporates the functionality of a number of computational tools, calculators, and visualization tools.

Resource Type: software resource, software application, standalone software

Defining Citation: DOI:10.1128/AEM.01541-09

Keywords: microbiome, microbial ecology, open source, bioinformatics, standalone software

Availability: Open source

Resource Name: mothur

Resource ID: SCR_011947

Alternate IDs: OMICS_01518

Alternate URLs: https://github.com/mothur/mothur/releases/tag/v1.38.1.1, https://sources.debian.org/src/mothur/

Record Creation Time: 20220129T080307+0000

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Ratings and Alerts

No rating or validation information has been found for mothur.

No alerts have been found for mothur.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5851 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Xiao Y, et al. (2026) Berberine suppresses colon inflammation via integrated modulation of host metabolism, microbial ecology, and innate immune signaling. Theranostics, 16(4), 2019.

Jiang Y, et al. (2026) Biological Validation of the PSC-MCAT: Analyzing Dental Plaque Microbiota Across Caries Risk Levels in Preschoolers. International dental journal, 76(1), 104007.

Ibrahim M, et al. (2026) Gut Microbiome-Sphingolipid Metabolism-Brain Axis Interactions: Neuroprotective Effects of Amitriptyline as Functional Inhibitor of Acid Sphingomyelinase in a Mouse Model of Tauopathy. Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology, 21(1), 3.

Blanco-Bercial L, et al. (2026) MetaZooGene Intercalibration Experiment (MZG-ICE): Metabarcoding Marine Zooplankton Diversity of the Global Ocean. Molecular ecology resources, 26(1), e70090.

Bedoya-Urrego K, et al. (2026) Next-Gen intestinal parasite detection: Leveraging metataxonomics for improved diagnosis of intestinal protists and helminths. PloS one, 21(1), e0330312.

Yang K, et al. (2026) Effects of ginger ethanol extract on growth performance, antioxidant capacity and intestinal microbiota of broilers. Poultry science, 105(1), 106139.

Liu D, et al. (2026) The effect of fermented sea buckthorn products on production performance, egg quality, intestinal health, and antioxidant capacity of laying hens. Poultry science, 105(1), 106134.

Zhu J, et al. (2026) The potential immunological mechanisms of gut microbiota dysbiosis caused by antibiotics exacerbate the lethality of influenza viruses. Gut microbes, 18(1), 2609451.

Ku JY, et al. (2026) Efficacy of Probiotic Lactobacillus spp. Isolated From Healthy Korean Indigenous Calves. Veterinary medicine and science, 12(1), e70742.

Luo B, et al. (2025) Resveratrol amplifies the anti-tumor effect of ??-PD-1 by altering the intestinal microbiome and PGD2 content. Gut microbes, 17(1), 2447821.

Wagner AO, et al. (2025) Basic assessment of microbial dynamics in large- and small-scale biofilters. Biotechnology reports (Amsterdam, Netherlands), 48, e00936.

Jiao X, et al. (2025) Progressive gut microbiota shifts and functional alterations across aging stages and frailty in mice. iScience, 28(7), 112985.

Michel M, et al. (2025) Noninvasive Multicancer Detection Using DNA Hypomethylation of LINE-1 Retrotransposons. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(7), 1275.

Huffmyer AS, et al. (2025) Shifts and critical periods in coral metabolism reveal energetic vulnerability during development. Current biology : CB, 35(12), 2858.

Varela JL, et al. (2025) The gills and skin microbiota of five pelagic fish species from the Atlantic Ocean. International microbiology : the official journal of the Spanish Society for Microbiology, 28(1), 95.

Zhang P, et al. (2025) Synbiotic Effects of Lacticaseibacillus paracasei K56 and Prebiotics on the Intestinal Microecology of Children with Obesity. Probiotics and antimicrobial proteins, 17(6), 4525.

Liu H, et al. (2025) Multi-omics reveal the gut microbiota-mediated severe foraging environment adaption of small wild ruminants in the Three-River-Source National Park, China. Integrative zoology, 20(5), 916.

Wang D, et al. (2025) Effect of Lacticaseibacillus casei LC2W Supplementation on Glucose Metabolism and Gut Microbiota in Subjects at High Risk of Metabolic Syndrome: A Randomized, Double-blinded, Placebo-controlled Clinical Trial. Probiotics and antimicrobial proteins, 17(6), 3811.

Gupta SK, et al. (2025) Dietary Chia (Salvia hispanica L.) seeds oil supplementation augments growth performance and gut microbial composition in Labeo rohita fingerlings. Scientific reports, 15(1), 1866.

Li M, et al. (2025) Bacillus subtilis HGCC-1 improves growth performance and liver health via regulating gut microbiota in golden pompano. Animal microbiome, 7(1), 7.