

Resource Summary Report

Generated by [ASWG](#) on Aug 2, 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](https://doi.org/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

Record Last Update: 20260801T191052+0000

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 [ASWG](#) .

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 *Lactobacillus 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 *Lactobacillus 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.