Resource Summary Report

Generated by <u>dkNET</u> on May 19, 2025

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

Funding:

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: 20250519T204945+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 5291 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

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.

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.

Yao Y, et al. (2025) Bacillus velezensis A-27 as a potential biocontrol agent against Meloidogyne incognita and effects on rhizosphere communities of celery in field. Scientific reports, 15(1), 1057.

Guo F, et al. (2025) Yeast cell wall polysaccharides accelerate yet in-feed antibiotic delays intestinal development and maturation via modulating gut microbiome in chickens. Journal of animal science and biotechnology, 16(1), 14.

Shu Y, et al. (2025) Tea cultivation: facilitating soil organic carbon accumulation and altering soil bacterial community-Leishan County, Guizhou Province, Southwest China. PeerJ, 13, e18683.

Chen C, et al. (2025) Influences of Rearing Season, Host Plant, and Silkworm Species on Gut Bacterial Community. Insects, 16(1).

Liu F, et al. (2025) Effects of the Oral Health Promotion Program on oral health and oral microbiota changes in diabetic elderly individuals: a quasi-experimental study. BMC oral health, 25(1), 51.

Tang H, et al. (2025) Effects of long-term fertilizer practices on rhizosphere soil ammonia

oxidizer community structure under the double-cropping rice field. Scientific reports, 15(1), 852.

Hares MF, et al. (2025) Progression of the faecal microbiome in preweaning dairy calves that develop cryptosporidiosis. Animal microbiome, 7(1), 3.

Yum SJ, et al. (2025) Antibiotic Resistance Genes and Microbiota in Brassica oleracea var. acephala Cultivated in South Korea: Potential for Resistance Transmission. Journal of agricultural and food chemistry, 73(3), 2156.

Xiao Y, et al. (2025) Polymerization of dietary fructans differentially affects interactions among intestinal microbiota of colitis mice. The ISME journal, 19(1).

Najjari A, et al. (2025) Metataxonomic analysis of halophilic archaea community in two geothermal oases in the southern Tunisian Sahara. FEMS microbiology letters, 372.

Yuan Y, et al. (2025) Dietary Taurine Regulation of the Intestinal Microbiome in Chinese Stripe-Necked Turtle (Mauremys sinensis). International journal of molecular sciences, 26(2).

Goldenberg-Vilar A, et al. (2025) Biogeographical Distribution of River Microbial Communities in Atlantic Catchments. Environmental microbiology reports, 17(1), e70065.

Pérez-Accino J, et al. (2025) Effect of a single rectal fecal microbiota transplantation on clinical severity and fecal microbial communities in dogs with chronic inflammatory enteropathy. Journal of veterinary internal medicine, 39(1), e17264.

Zhao MQ, et al. (2025) Profile of intestinal fungal microbiota in acute pancreatitis patients and healthy individuals. Gut pathogens, 17(1), 1.

Yang G, et al. (2025) Composition and functional diversity of soil and water microbial communities in the rice-crab symbiosis system. PloS one, 20(1), e0316815.

Mao F, et al. (2025) Unravelling the prognostic and operative role of intratumoural microbiota in non-small cell lung cancer: Insights from 16S rRNA and RNA sequencing. Clinical and translational medicine, 15(1), e70156.

Häkkinen L, et al. (2025) Fungal communities in boreal soils are influenced by land use, agricultural soil management, and depth. FEMS microbiology ecology, 101(2).