**mothur**  
RRID:SCR_011947  
Type: Tool

### Proper Citation

mothur (RRID:SCR_011947)

### Resource Information

**URL:** [http://www.mothur.org/](http://www.mothur.org/)

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**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:** standalone software, software application, software resource

**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

**Record Last Update:** 20240630T053914+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 4763 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](https://fdi.scribend.com).


Gallacher DJ, et al. (2024) Baseline azithromycin resistance in the gut microbiota of preterm born infants. Pediatric research, 95(1), 205.


Wang Q, et al. (2024) Insight into bacterial and archaeal community structure of Suaeda altissima and Suaeda dendroides rhizosphere in response to different salinity level. Microbiology spectrum, 12(1), e0164923.

Ogola HJO, et al. (2024) High-throughput amplicon sequencing datasets of microbial community in soils irrigated by quicklime and fly ash-treated acid mine drainage water. Data in brief, 52, 109849.


Zhang CY, et al. (2024) Intestinal mucosal microbiota mediate amino acid metabolism involved in the gastrointestinal adaptability to cold and humid environmental stress in mice. Microbial cell factories, 23(1), 33.


Han B, et al. (2024) The Effect of Lactobacillus plantarum on the Fecal Microbiota, Short
Chain Fatty Acids, Odorous Substances, and Blood Biochemical Indices of Cats. Microorganisms, 12(1).


Li J, et al. (2024) Comparative Analysis of Rhizosphere and Endosphere Fungal Communities in Healthy and Diseased Faba Bean Plants. Journal of fungi (Basel, Switzerland), 10(1).


Luo L, et al. (2024) Ginger volatile oil inhibits the growth of MDA-MB-231 in the bisphenol A environment by altering gut microbial diversity. Heliyon, 10(2), e24388.


Xu K, et al. (2024) Identifying Active Rather than Total Methanotrophs Inhabiting Surface Soil Is Essential for the Microbial Prospection of Gas Reservoirs. Microorganisms, 12(2).