

Resource Summary Report

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microbiome

RRID:SCR_024699

Type: Tool

Proper Citation

microbiome (RRID:SCR_024699)

Resource Information

URL: <https://bioconductor.org/packages/microbiome/>

Proper Citation: microbiome (RRID:SCR_024699)

Description: Software R package for use in microbiome analysis. Used to provide comprehensive collection of tools and tutorials, with particular focus on amplicon sequencing data.

Resource Type: software resource, software toolkit

Keywords: amplicon sequencing data, microbiome analysis,

Availability: Free, Available for download, Freely available

Resource Name: microbiome

Resource ID: SCR_024699

Alternate URLs: <https://microbiome.github.io/tutorials/>,
<https://github.com/microbiome/microbiome/>,

Record Creation Time: 20231115T050219+0000

Record Last Update: 20260821T194304+0000

Ratings and Alerts

No rating or validation information has been found for microbiome.

No alerts have been found for microbiome.

Data and Source Information

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Fan X, et al. (2026) Comparative Analysis of Gut Microbiomes in Parasitic Roundworms Reveals Phylogeny-Associated Community Structure and Functional Adaptation. Transboundary and emerging diseases, 2026, 2764696.

Doma??ska M, et al. (2026) Similarity of activated sludge and treated wastewater with special reference to nitrifiers and their seasonal variability. Scientific reports, 16(1), 4375.

Murdoch B, et al. (2026) Microbiota discovered in scorpion venom. PloS one, 21(1), e0328427.

Corral Nieto Y, et al. (2026) Identification of ACBP as a potential target in ciliopathic obesity through multi-omics network analysis. Nature communications, 17(1), 362.

Hopkins JR, et al. (2025) Fire Limits Soil Microbial Dispersal and Differentially Impacts Bacterial and Fungal Communities. Global change biology, 31(8), e70386.

Adnan D, et al. (2025) Oral microbiome brain axis and cognitive performance in older adults. NPJ dementia, 1.

Duarte VDS, et al. (2025) Longitudinal study of the udder microbiome using genome-centric metagenomics uncovers pathogen-driven adaptation and succession. NPJ biofilms and microbiomes, 11(1), 227.

Kriete AL, et al. (2025) Direct and transgenerational effects of tetracyclines on the microbiome, transcriptome, and male mating behavior of the sheep blowfly *Lucilia cuprina*. G3 (Bethesda, Md.), 15(10).

Zhang X, et al. (2025) Intestinal TM6SF2 protects against metabolic dysfunction-associated steatohepatitis through the gut-liver axis. Nature metabolism, 7(1), 102.

Piedade GJ, et al. (2024) Seasonal dynamics and diversity of Antarctic marine viruses reveal a novel viral seascape. Nature communications, 15(1), 9192.

Opriessnig T, et al. (2024) Exploratory application of a cannulation model in recently weaned pigs to monitor longitudinal changes in the enteric microbiome across varied porcine reproductive and respiratory syndrome virus (PRRSV) infection statuses. Frontiers in veterinary science, 11, 1422012.

Duarte VdS, et al. (2024) Host DNA depletion methods and genome-centric metagenomics of bovine hindmilk microbiome. mSphere, 9(1), e0047023.

Lima HS, et al. (2024) Microbial community of cultivated and uncultivated citrus rhizosphere microbiota in Brazil. Scientific data, 11(1), 1294.

Zhang B, et al. (2024) Exploring the landscape of symbiotic diversity and distribution in unicellular ciliated protists. *Microbiome*, 12(1), 96.

Aboushaala K, et al. (2024) Gut microbiome dysbiosis is associated with lumbar degenerative spondylolisthesis in symptomatic patients. *JOR spine*, 7(4), e70005.

Adnan D, et al. (2024) Early-onset Colon Cancer Shows a Distinct Intestinal Microbiome and a Host-Microbe Interaction. *Cancer prevention research (Philadelphia, Pa.)*, 17(1), 29.

Eisenhofer R, et al. (2023) Individuality and stability of the koala (*Phascolarctos cinereus*) faecal microbiota through time. *PeerJ*, 11, e14598.

Foysal MJ, et al. (2023) Host habitat shapes the core gut bacteria of decapod crustaceans: A meta-analysis. *Heliyon*, 9(6), e16511.

Chaklader MR, et al. (2023) Fish waste to sustainable additives: Fish protein hydrolysates alleviate intestinal dysbiosis and muscle atrophy induced by poultry by-product meal in *Lates calcarifer* juvenile. *Frontiers in nutrition*, 10, 1145068.

Tavakoli P, et al. (2022) The Interplay Between Use of Biological Therapies, Psychological State, and the Microbiome in IBD. *Frontiers in medicine*, 9, 788992.